CultivConnect

A Digital Platform for Farm-to-Consumer Food Distribution

Othmen Aridhi

Project work presented to the Polytechnic Institute of Bragança

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Supervisor:

Prof. Doutora Maria Isabel Barreiro Ribeiro

Bragança, May, 2026

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Resumo

O presente trabalho desenvolve o projeto CultivConnect, uma plataforma digital concebida para estabelecer uma ligação direta entre pequenos produtores agrícolas locais e consumidores urbanos, eliminando os intermediários que tornam as cadeias de distribuição tradicionais longas, dispendiosas e pouco transparentes. O objetivo central não se limita a encurtar a distância geográfica entre produção e consumo — pretende, acima de tudo, reconstituir uma relação de confiança entre quem cultiva e quem consome, melhorando simultaneamente a sustentabilidade económica dos agricultores e a qualidade dos alimentos que chegam à mesa dos cidadãos.

A investigação estrutura-se em torno de uma metodologia de plano de negócios, articulando a análise do mercado alimentar português, o estudo comparativo da concorrência, a definição de estratégias de marketing, distribuição e logística, e a elaboração de projeções financeiras fundamentadas. Os dados mobilizados provêm de fontes institucionais de referência — nomeadamente o Instituto Nacional de Estatística (INE), a Organização das Nações Unidas para a Alimentação e a Agricultura (FAO) e a Comissão Europeia — complementados pela análise de casos de plataformas semelhantes já em funcionamento noutros mercados europeus.

Os resultados projetados confirmam a viabilidade económica do modelo, evidenciando uma trajetória de crescimento consistente, a geração de fluxos de caixa positivos a médio prazo e um potencial de replicação significativo em mercados com estruturas agrárias e padrões de urbanização comparáveis, com destaque para a Tunísia. Em termos mais amplos, o projeto insere-se nas prioridades europeias de sustentabilidade alimentar, contribuindo para cadeias de abastecimento mais curtas, mais eficientes e menos dependentes de processos de distribuição intensivos em carbono.

Palavras-chave: cadeia curta de abastecimento, agricultura local, sustentabilidade, comércio eletrónico alimentar, inovação digital.

Abstract

This dissertation presents the development of CultivConnect, a digital platform built to forge a direct and transparent connection between small-scale local farmers and urban consumers — bypassing the intermediary layers that characterise conventional food distribution and that consistently erode both producer margins and product quality. The project's central ambition extends beyond logistical efficiency: it seeks to rebuild a relationship of accountability and trust between those who grow food and those who eat it, while addressing the growing consumer demand for fresh, locally sourced, and responsibly produced goods.

The research is structured around a business plan methodology, integrating a thorough analysis of the Portuguese food retail market, a systematic benchmarking of existing competitors, the formulation of marketing, logistics, and distribution strategies, and the construction of grounded financial projections. The evidence base draws on data from recognised institutional sources — including the National Statistics Institute (INE), the Food and Agriculture Organization (FAO), and the European Commission — as well as insights derived from case studies of analogous platforms operating across European markets.

The findings confirm that the proposed model is economically sound, demonstrating a credible and sustained growth trajectory, the generation of positive cash flows within a realistic timeframe, and meaningful scalability potential. The business model is also well suited to replication in markets that share comparable agricultural structures and urbanisation dynamics — Tunisia being the most immediately promising candidate. At a broader level, CultivConnect contributes to the construction of shorter, more efficient, and lower-emission food supply chains, in direct alignment with European sustainability strategies and the Farm to Fork agenda.

Keywords: short food supply chain, local agriculture, sustainability, food e-commerce, digital innovation.

To the farmers who grow food with care and receive too little in return — this project was built with you in mind.

Acknowledgments

This dissertation would not exist without the people who shaped the person writing it.

I dedicate this work first and foremost to **my mother**, whose love, sacrifices, and unwavering belief in my potential have been the quiet force behind everything I have achieved. Through every difficulty and every moment of doubt, her presence has been my anchor. No words are sufficient to express what she means to me, and no academic achievement would carry meaning without her beside me.

To **my father**, who is no longer with us — this one is for you. You taught me the value of hard work, the importance of integrity, and the courage to pursue something worthwhile even when the path is uncertain. I carry your memory with me every day, and I hope that this work would have made you proud. Your absence is felt deeply, and your influence is woven into every page of this dissertation.

I would also like to express my sincere gratitude to my supervisor, **Prof. Doutora Maria Isabel Barreiro Ribeiro**, for her invaluable guidance, intellectual rigour, and continuous support throughout the development of this work. Her expertise and commitment to academic excellence have been instrumental in shaping both the quality and the direction of this dissertation.

I am grateful to the Instituto Politécnico de Bragança and to the Master's programme in Entrepreneurship and Innovation for providing the academic environment and the resources that made this project possible. I also wish to thank the faculty members and fellow students whose conversations and feedback have enriched my thinking throughout this journey.

Finally, I wish to acknowledge all the small-scale farmers and producers whose daily dedication feeds communities under conditions of increasing difficulty and insufficient recognition. This project was built in support of their work and their dignity.

Abbreviations and/or Acronyms

AgTech - Agricultural Technology

B2B - Business-to-Business

B2C - Business-to-Consumer

CAGR - Compound Annual Growth Rate

CAPM - Capital Asset Pricing Model

CAE - Código de Atividade Económica (Portuguese Economic Activity Code)

CEO - Chief Executive Officer

COGS - Cost of Goods Sold

CSRD - Corporate Sustainability Reporting Directive

D2C - Direct-to-Consumer

EBIT - Earnings Before Interest and Taxes

EBITDA - Earnings Before Interest, Taxes, Depreciation, and Amortisation

EU - European Union

FAO - Food and Agriculture Organization of the United Nations

FSC - Forest Stewardship Council

GDPR - General Data Protection Regulation

GDP - Gross Domestic Product

GRI - Global Reporting Initiative

INE - Instituto Nacional de Estatística (National Statistics Institute of Portugal)

IoT - Internet of Things

IP - Intellectual Property

IPB - Instituto Politécnico de Bragança

IRC - Imposto sobre o Rendimento das Pessoas Coletivas (Portuguese Corporate Income Tax)

IRR - Internal Rate of Return

KPI - Key Performance Indicator

MRP - Market Reference Price

MVP - Minimum Viable Product

NPV - Net Present Value

OECD - Organisation for Economic Co-operation and Development

QR - Quick Response (code)

R&D - Research and Development

RBV - Resource-Based View

ROE - Return on Equity

ROI - Return on Investment

SFSC - Short Food Supply Chain

SME - Small and Medium-sized Enterprise

SWOT - Strengths, Weaknesses, Opportunities, Threats

UI - User Interface

UX - User Experience

VAT - Value Added Tax

WACC - Weighted Average Cost of Capital

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Introduction

Few sectors reflect the contradictions of modern economic life as sharply as the food system. On one side of the equation, small-scale farmers — who represent the backbone of agricultural production in countries like Portugal — continue to operate within distribution structures that return only a fraction of the final retail price to those who actually grow the food. On the other, urban consumers are increasingly vocal about wanting something different: fresher products, clearer information about origin, and a stronger sense of connection to the land and the people behind what they eat. Between these two realities lies a structural gap that the conventional food supply chain has not only failed to close but, in many respects, has actively widened.

The pressures driving this dysfunction are well documented. Rapid urbanisation has concentrated demand in city centres while pushing production further into rural peripheries, stretching supply chains to lengths that compromise both freshness and efficiency. Environmental concerns — from the carbon intensity of long-haul food transport to the staggering volumes of produce lost to waste at various points in the distribution process — have added urgency to the search for alternative models. And the digital revolution, which has transformed the way people access everything from music to medical advice, has yet to be applied systematically to the relationship between the farmer and the consumer.

CultivConnect is proposed as a direct response to this convergence of pressures. The platform is designed to connect local agricultural producers with urban buyers through a digital interface that removes unnecessary intermediaries, shortens the journey from farm to table, and restores a degree of transparency that conventional retail channels rarely provide. Rather than treating food distribution as a purely logistical problem, CultivConnect approaches it as a relationship challenge — one that technology, thoughtfully applied, is well placed to resolve.

This dissertation develops and evaluates a full business plan for the platform, guided by four interlocking objectives:

To assess the market conditions and demand potential for a digital farm-to-consumer platform operating initially in Portugal.

To construct a rigorous and comprehensive business plan for CultivConnect, covering strategy, operations, marketing, and finance.

To evaluate the financial sustainability and long-term scalability of the proposed model.

To examine the feasibility of extending the platform to structurally comparable markets — with particular attention to Tunisia, where urbanisation trends and agricultural characteristics mirror those of the Portuguese context.

The dissertation is organised as follows. Chapter 1 establishes the theoretical foundation, reviewing the academic literature on entrepreneurship, digital platform economics, strategic management, and sustainable food systems — the four intellectual pillars on which CultivConnect's design rests. Chapter 2 develops the business plan in full, moving from market analysis and competitive positioning through marketing strategy, operational design, and financial projections. The dissertation concludes with a synthesis of the principal findings and a reflective discussion of the project's broader implications — for farmers, for consumers, and for the future of sustainable food distribution.

1. Theoretical Framework

This chapter reviews the principal theoretical frameworks that underpin the development of CultivConnect. It draws on four bodies of literature: entrepreneurship theory, which explains how new ventures are conceived and developed; strategic management theory, which informs the company's competitive positioning; business planning scholarship, which justifies the methodological approach adopted in this work; and the literature on digital platforms and sustainable food systems, which contextualises the project within broader sectoral and societal trends.

1.1. Entrepreneurship Theories

Understanding how new ventures emerge, take shape, and endure over time requires engaging with a body of entrepreneurship theory that has grown considerably in both depth and sophistication over recent decades. Rather than offering a single explanatory model, the field presents a constellation of complementary perspectives — each illuminating a different facet of the entrepreneurial process and each, in its own way, relevant to the logic underpinning CultivConnect.

The concept of opportunity recognition provides perhaps the most immediate point of entry. Shane and Venkataraman (2000) argue that entrepreneurship is fundamentally an act of perception — the capacity to identify market inefficiencies that others have overlooked or accepted as fixed, and to design a response that generates value precisely by addressing them. Crucially, the opportunity does not pre-exist the entrepreneur's gaze; it is partially constituted by the act of recognising it. In the case of CultivConnect, the inefficiency in question is both structural and persistent: the traditional food supply chain interposes multiple intermediary layers between the farmer and the final consumer, compressing producer margins to levels that threaten the viability of small-scale agriculture while simultaneously limiting consumer access to fresh, locally sourced, and traceable products. The platform is conceived as a direct structural intervention — one that removes rather than navigates these intermediary layers, and that uses digital technology to make the resulting direct relationship scalable.

A second theoretical lens is provided by Schumpeter's (1934) account of innovation-driven entrepreneurship, which locates the entrepreneur at the centre of a process of creative recombination. In Schumpeter's framework, value is not created by deploying resources more efficiently within existing arrangements but by assembling them into genuinely new configurations that the market has not previously seen. CultivConnect exemplifies this logic: it does not improve an existing distribution model at the margins but combines agriculture, digital infrastructure, and last-mile logistics into an integrated solution that is qualitatively different from anything the conventional food system currently offers. The innovation is not merely technological — it is organisational, relational, and commercial simultaneously.

The lean startup methodology, developed by Ries (2011), adds a third and practically essential dimension. Where Schumpeter emphasises the transformative ambition of the entrepreneurial act, Ries emphasises the discipline required to pursue it without overcommitting resources to assumptions that have not yet been tested. The lean approach advocates launching a minimal viable product, measuring real user behaviour, and iterating rapidly on the basis of what is learned — prioritising validated evidence over theoretical projections. For CultivConnect, this methodology shapes the phased market entry strategy: rather than building a fully featured platform and launching at scale from the outset, the company will introduce its core offer in a defined urban market, gather systematic feedback, and refine both the product and the operational model before expanding further.

1.2. Business Development and Strategic Management Theories

If entrepreneurship theory explains why CultivConnect exists and how it was conceived, strategic management theory addresses the more enduring question of how it can sustain a competitive position over time. Several frameworks from this tradition are directly applicable to the company's situation.

Porter's (1985) competitive advantage theory remains one of the most widely applied tools for thinking about how firms position themselves relative to rivals. Porter identifies two primary routes to sustainable advantage: cost leadership, which involves delivering acceptable quality at the lowest achievable cost, and differentiation, which means offering something distinctive enough that a meaningful segment of customers values it above comparable alternatives and is willing to pay accordingly. These strategies are not necessarily mutually exclusive, and CultivConnect deliberately pursues elements of both. Its differentiation is rooted in freshness, provenance, and the experiential value of knowing exactly where one's food comes from — attributes that large-scale retail distribution finds structurally difficult to replicate. Its cost advantage, meanwhile, derives from the elimination of intermediary margins: by removing the wholesaler, the distributor, and the retailer from the equation, the platform can offer consumers competitive pricing while simultaneously returning a materially larger share of the transaction value to the producer.

The Business Model Canvas, developed by Osterwalder and Pigneur (2010), provides a complementary tool for mapping the internal logic through which the company creates, delivers, and captures value. For CultivConnect, the canvas reveals a coherent and mutually reinforcing architecture: a value proposition anchored in fresh, local, and sustainably sourced food; digital channels — mobile application and website — that give health-conscious urban consumers frictionless access to that offer; a dual revenue structure that combines the predictability of subscription plans with the flexibility of individual purchases; and a set of key partnerships — with local farmers, logistics providers, and packaging suppliers — that make the whole system operationally viable. Mapping these elements explicitly is valuable not only for analytical clarity but also for identifying where the model is most exposed to risk and where investment in strengthening a particular component will generate the greatest return.

The Resource-Based View (RBV), associated principally with Barney (1991), adds a further and particularly important dimension. Where Porter's framework focuses on external market positioning, the RBV directs attention inward — to the firm's internal stock of resources and capabilities — arguing that durable competitive advantage originates in assets that are simultaneously valuable, rare, difficult to imitate, and not easily substitutable. For CultivConnect, the most strategically significant resources are the proprietary digital platform, the network of direct farmer partnerships, and the operational knowledge embedded in its logistics processes. None of these can be acquired quickly or cheaply by a competitor seeking to replicate the model; each deepens in value as the business scales. Taken together, they constitute a genuine barrier to entry — one that grows more formidable over time as the platform accumulates data, the farmer network expands, and the brand earns the trust of a growing subscriber base.

1.3. Business Plans and Entrepreneurship

Business plans are essential tools in entrepreneurship, as they allow entrepreneurs to structure, evaluate, and communicate their business ideas effectively. According to Abrams (2020), a business plan defines the company's objectives, strategies, operational structure, and financial projections, serving both as a roadmap and a communication tool for stakeholders.

In addition, business plans help reduce uncertainty by identifying risks and opportunities, enabling better decision-making (Barringer & Ireland, 2016). They are particularly important in early-stage ventures, where financial sustainability and market positioning must be carefully assessed.

In the case of **CultivConnect**, the business plan is fundamental for transforming the concept into a viable business model. It supports the identification of the target market, the definition of logistics and pricing strategies, and the evaluation of financial feasibility. Therefore, the business plan serves as a critical tool to validate the project and support its implementation (Figure 1).

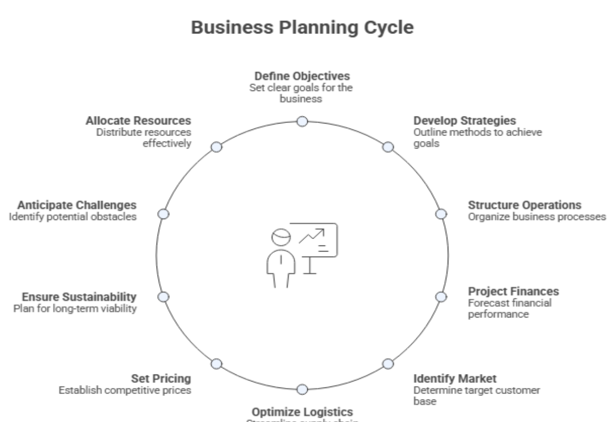

Figure 1: Business Planning Cycle

1.4. Digital Platforms in the Agri-Food Sector

The digital transformation of the agri-food sector has created new opportunities for innovation, particularly through platform-based business models. Digital platforms enable direct interaction between producers and consumers, reducing intermediaries and improving efficiency and transparency in the supply chain.

CultivConnect is based on a Direct-to-Consumer (D2C) model, where farmers can sell their products directly to urban consumers through a mobile application and website. This approach addresses one of the main inefficiencies in traditional food systems: the presence of multiple intermediaries that increase prices while reducing farmers' income (Figure 2).

By using a digital platform, CultivConnect improves:

- **Market access for farmers**, allowing them to reach urban customers directly
- **Transparency for consumers**, who can trace the origin of their food
- **Operational efficiency**, through centralized ordering and delivery coordination

In addition, the growth of e-commerce and mobile usage in both Portugal and Tunisia supports the feasibility of this model, making digital platforms a key enabler of the CultivConnect business concept.

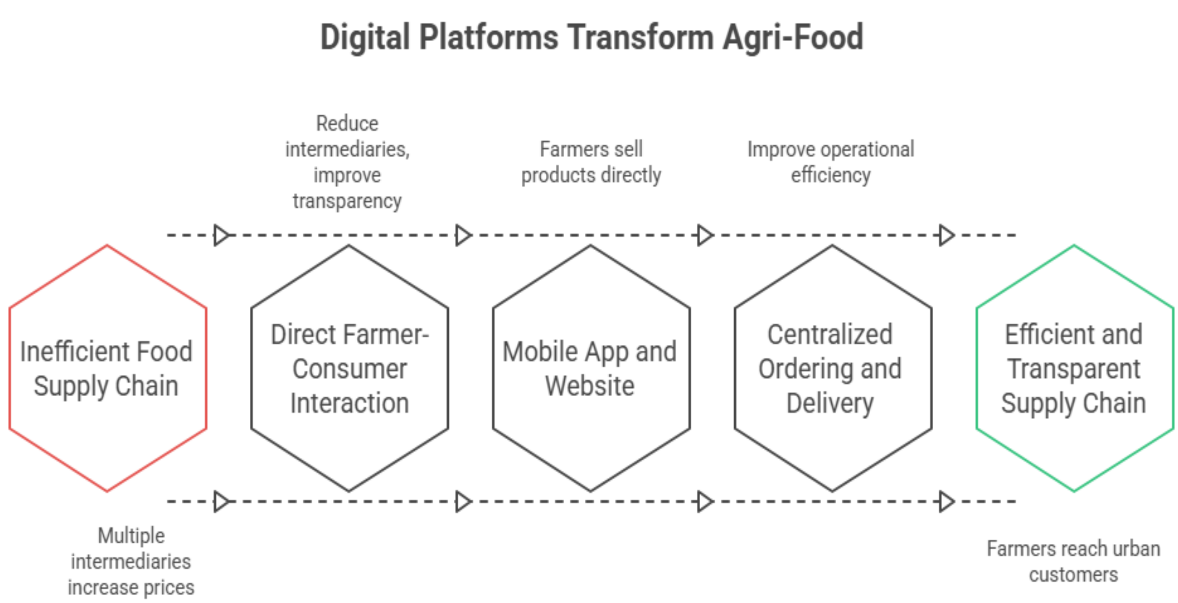

Figure 2: Digital Platforms Transform Agri-Food

1.5. Sustainable Food Systems

Sustainability is a central concern in modern food systems, encompassing environmental, economic, and social dimensions. Sustainable food systems aim to ensure food security while minimizing environmental impact and promoting fair economic conditions (FAO, 2018).

Traditional food supply chains are often long and complex, contributing to higher carbon emissions and significant food waste. Short supply chains, such as farm-to-consumer models, are considered more sustainable because they reduce transportation distances, improve product freshness, and enhance efficiency (European Commission, 2020).

CultivConnect aligns with these principles by promoting a short supply chain model that connects local producers directly with consumers. This approach contributes to (Figure 3):

- **Environmental sustainability**, by reducing food miles and emissions
- **Economic sustainability**, by increasing farmers' income through direct sales
- **Social sustainability**, by strengthening local economies and consumer trust

Additionally, digital platforms can reduce food waste by improving coordination between supply and demand, ensuring that production is better aligned with consumption patterns (FAO, 2019).

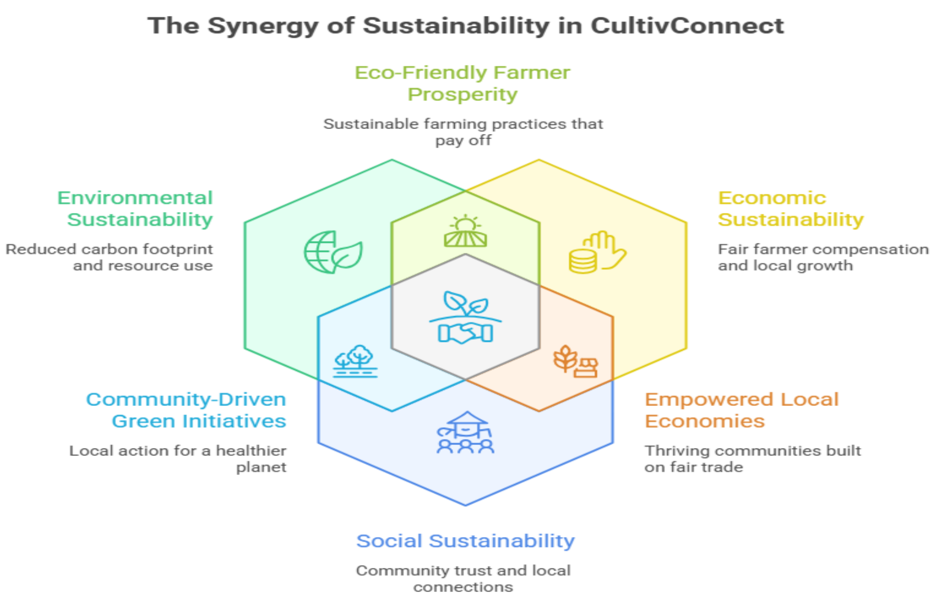

Figure 3: The Synergy of Sustainbility in CultivConnect

1.6. Final Considerations

The theoretical journey undertaken in this chapter does more than provide an academic backdrop for the chapters that follow , it actively shapes the logic of the business model itself. Each framework reviewed has contributed a distinct layer of understanding, and it is the way these layers interact and reinforce one another that gives the CultivConnect project its intellectual coherence.

Entrepreneurship theory established the foundational premise: that the persistent inefficiencies embedded in traditional agri-food supply chains are not merely operational inconveniences but genuine market failures and that market failures of this kind, when correctly identified and acted upon, represent precisely the kind of opportunity from which innovative ventures are built. Shane and Venkataraman's opportunity recognition framework, Schumpeter's logic of creative recombination, and Ries's discipline of validated learning collectively explain not only why CultivConnect exists but how it should be developed with ambition tempered by evidence, and vision anchored in iterative real-world testing.

Strategic management theory then translated that entrepreneurial impulse into competitive architecture. Porter's differentiation and cost advantage framework clarified the dual positioning that CultivConnect can credibly occupy offering a demonstrably superior product while simultaneously undercutting the price premium typically associated with quality food retail, made possible by the elimination of intermediary margins. Business Model Canvas gave structural form to this positioning, mapping the relationships between value creation, delivery, and capture in a way that exposes both the model's internal coherence and its most critical dependencies. The Resource-Based View, finally, shifted attention from external market positioning to the internal accumulation of capabilities, reminding us that the platform's digital infrastructure, its farmer network, and its operational knowledge are not merely inputs but the very sources of advantage that rivals will find hardest to replicate.

The analysis of digital platforms and sustainable food systems then contextualised these strategic choices within broader sectoral and societal trends. Disintermediation, the systematic removal of unnecessary intermediary layers from the value chain emerged not only as a commercially attractive strategy but as an environmentally and socially consequential one: shorter chains mean fewer food miles, less waste, greater transparency, and a more equitable distribution of value between those who produce food and those who consume it. These are not incidental benefits; they are central to what CultivConnect is designed to achieve and to the kind of brand reputation it intends to build.

Taken as a whole, the theoretical framework presented in this chapter confirms that CultivConnect is a project rooted in well-established academic thinking not assembled from isolated concepts but constructed from frameworks that genuinely speak to one another. The entrepreneurial, strategic, technological, and sustainability dimensions of the model are not parallel tracks running independently; they converge on a single, integrated proposition. It is this convergence between commercial viability, digital innovation, and responsible food systems that provides the most compelling justification for the business plan developed in the sections that follow.

2. Business plan

2.1. Executive summary

CultivConnect was born from a straightforward but consequential observation: the conventional food supply chain consistently fails the two groups it is supposed to serve. Farmers — particularly small-scale producers who form the agricultural backbone of countries like Portugal — receive a disproportionately small share of the price that consumers ultimately pay, squeezed by the successive margins extracted at each intermediary stage. Consumers, meanwhile, find themselves increasingly disconnected from the origin of their food, purchasing products whose freshness, provenance, and production conditions remain opaque behind layers of industrial logistics. CultivConnect is designed to interrupt this dynamic (not by improving the existing system at the margins), but by replacing its most dysfunctional elements with a direct, digital, and transparent alternative.

The platform operates through a mobile application and a website, giving customers straightforward access to a curated selection of food boxes assembled from locally sourced produce. The range spans fresh vegetables and seasonal fruits at the entry level, through artisan products like olive oil, milk, jam, olives, and tomato sauce at the mid-tier, to premium combinations designed for households seeking both convenience and quality. Across all categories, the offer is built on four interdependent pillars: freshness, guaranteed by the shortness of the supply chain itself; traceability, which gives every customer a clear line of sight to the farm and the farmer behind their purchase; affordability, made possible by removing the intermediary margins that inflate conventional retail prices; and sustainability, expressed through local sourcing, reduced transport distances, and a deliberate commitment to minimising environmental impact at every stage of the operation.

Commercially, CultivConnect adopts a hybrid revenue model that pairs subscription-based plans with the option for individual purchases. The subscription tier available on weekly or monthly cycles — provides the recurring income that underpins financial planning and operational stability, while the single-purchase option lowers the barrier to first-time trial and captures demand from less regular buyers. Integrated logistics management and real-time delivery tracking complete the service layer, ensuring that the customer experience is as reliable and frictionless as the product quality is high.

The initial market is Portugal — a context that combines structural opportunity with genuine demand momentum. More than 80% of the Portuguese population is concentrated in urban areas, where time constraints, rising health awareness, and growing concern about food sustainability are reshaping purchasing habits in ways that are directly favourable to CultivConnect's proposition. The medium-to-long-term strategic horizon extends to Tunisia, where comparable agricultural structures, a high concentration of small-scale farming operations, and an urban population exceeding 70% create conditions that closely mirror the Portuguese opportunity making the business model well suited to replication with relatively limited structural adaptation.

Financially, the projections are grounded and encouraging. Revenue is forecast to grow from approximately €227,900 in 2027 to €611,857 by 2032, a trajectory driven by subscriber acquisition, progressive product diversification, and the phased expansion of the platform's geographic footprint. The cost base is managed through scalable digital infrastructure and continuously optimised logistics, ensuring that growth in revenue outpaces growth in operating expenses as the business matures. The initial investment required to bring the platform to market stands at €48,500, directed towards equipment procurement, transportation capacity, and the operational setup necessary to fulfil the first phase of the rollout.

What the financial projections do not fully capture — but what is no less central to the project's identity is the social and environmental value that CultivConnect generates alongside its commercial returns. By channeling a substantially larger share of the consumer's payment directly to the producer, the platform improves the economic viability of small-scale farming in ways that support rural livelihoods and agricultural diversity. By shortening supply chains, it reduces the carbon footprint of food distribution and the food waste generated by mismatches between supply and demand. These outcomes are not presented as ancillary benefits or marketing claims; they are structural consequences of the way the business is designed, and they are as fundamental to what CultivConnect stands for as any revenue projection.

2.2. Company description

CultivConnect is a startup operating at the intersection of the agri-food and e-commerce sectors, combining digital innovation with sustainable food distribution. The company is built on a short supply chain model, directly linking small-scale farmers with urban consumers, thereby reducing the number of intermediaries in the traditional food system. By integrating digital technology with logistics operations, the platform enables efficient sourcing, centralized packaging, and optimized last-mile delivery of fresh and locally produced goods.

The business responds to several structural challenges within the current food system. In Portugal, more than 40% of food products travel over 300 km before reaching consumers, which negatively impacts freshness and increases environmental emissions. At the same time, farmers typically receive less than 25% of the final consumer price, due to the presence of multiple intermediaries in the distribution chain. On the demand side, consumer preferences are shifting, with over 70% of consumers expressing a preference for locally sourced and sustainable food products.

CultivConnect addresses these inefficiencies by introducing a more transparent, efficient, and sustainable distribution model. By shortening the supply chain, the platform improves product quality and freshness, reduces environmental impact, and ensures fairer pricing for both producers and consumers.

The name “CultivConnect” reflects the core concept and strategic positioning of the business. The term *“Cultiv”* is derived from *cultivation*, symbolizing agriculture, land, and the origin of food production. It emphasizes the company’s commitment to supporting local farmers and promoting sustainable agricultural practices. The term *“Connect”* represents the platform’s central function: creating a direct and efficient link between producers and consumers through digital technology (Table 1).

Together, the name embodies the company’s mission to bridge the gap between rural producers and urban consumers, integrating traditional agricultural practices with modern digital solutions. It conveys key brand values such as transparency, accessibility, trust, and innovation.

From a branding perspective, “CultivConnect” is designed to be clear, memorable, and adaptable across different markets. Its neutral and internationally understandable structure supports future expansion, particularly into regions such as Tunisia, while maintaining a consistent brand identity. This scalability is essential for the long-term growth and positioning of the company as a cross-market digital food platform.

Table 1: Company Overview

Element	Description
Company Name	CultivConnect
Sector	Agri-food & E-commerce
Business Model	Digital platform with short supply chain (Direct-to-Consumer)
Core Activity	Connecting local farmers with urban consumers through delivery services
Products Offered	Veggie Boxes, Artisan Products (olive oil, milk, jam), Premium Combo Boxes
Sales Channels	Mobile Application and Website
Revenue Streams	Subscription model + one-time purchases
Target Market	Urban consumers (25–50 years old), health-conscious and sustainability-focused
Geographic Focus	Portugal (initial), Tunisia (expansion phase)
Value Proposition	Fresh, local, traceable, affordable, and sustainable food
Key Partners	Local farmers, logistics providers, packaging suppliers
Key Resources	Digital platform, farmer network, delivery infrastructure
Initial Investment	€48,500

2.2.1. Promoters

CultivConnect is the work of Othmen Aridhi, a Master's student in Entrepreneurship and Innovation at the Instituto Politécnico de Bragança, who serves as the project's founder and sole promoter. In this capacity, he bears full responsibility for the conceptual architecture of the venture, spanning the initial identification of the market opportunity, the design of the business model, the construction of the financial framework, the development of the market analysis, and the overall coordination of the project's strategic direction. His involvement is not passive or administrative in nature; it reflects active authorship and sustained intellectual engagement at every stage of the plan's development.

The professional and academic background that Aridhi brings to this project is directly relevant to its ambitions. Throughout the Master's programme, he has cultivated a substantive set of competencies encompassing entrepreneurial reasoning, strategic planning, financial modelling, and evidence-based market evaluation. These are not abstract academic skills confined to the classroom; they are the practical instruments through which CultivConnect has been translated from an initial observation about food system dysfunction into a structured, commercially grounded, and academically rigorous business proposal. The capacity to move fluidly between conceptual thinking and operational planning, and between analytical depth and strategic clarity, has been essential to producing a plan of this scope and ambition.

The motivational roots of the project run considerably deeper than academic obligation. Aridhi's commitment to CultivConnect is driven by a genuine and informed concern about the structural inequities that characterise traditional food supply chains. Small-scale farmers, despite their indispensable role in feeding urban populations, consistently find themselves on the wrong side of value distribution: excluded from modern commercial channels, dependent on intermediary networks that absorb the majority of the retail margin, and structurally ill-positioned to respond to the growing consumer demand for local, fresh, and traceable food products. Recognising this misalignment not as an inevitable feature of the food system but as a correctable and addressable inefficiency is what drove the conception of CultivConnect in the first place.

This personal motivation is matched by a clearly articulated and forward-looking strategic vision. From the outset, the project has been designed with scalability as a structural feature of the business model rather than an aspirational afterthought. The planned expansion into the Tunisian market reflects both a thorough understanding of the economic and agricultural parallels between the two countries and a broader international perspective on the transformative potential of technology-enabled, short-chain food distribution. In this vision, growth, impact, and long-term sustainability are not competing priorities to be balanced against one another; they are three mutually reinforcing expressions of the same underlying commitment to a more equitable and responsible food system.

2.2.2. Advisers

The development of CultivConnect takes place under the academic supervision of qualified faculty with expertise spanning economics, entrepreneurship, and business planning. This supervisory relationship is not merely a formal institutional requirement; it is a substantive intellectual partnership that accompanies Othmen Aridhi through each stage of the business plan's construction, ensuring that the work maintains both scholarly rigour and practical applicability. The guidance provided covers the full breadth of the project, from the initial framing of the business concept and the structuring of the market analysis, through to the validation of financial assumptions and the refinement of the overall strategic direction.

In concrete terms, the supervisory input has been instrumental in strengthening the methodological foundations of the plan, challenging assumptions that required greater evidential support, and ensuring that the conclusions drawn at each stage are proportionate to the evidence on which they rest. This kind of critical academic engagement is particularly valuable in a project of this scope, where the distance between an ambitious business concept and a credible, implementable proposal is bridged only through rigorous and sustained analytical work.

Looking beyond the academic context, the operational development and market implementation of CultivConnect will require the involvement of a broader network of professional advisers with domain-specific expertise. In particular, the project anticipates engaging the following profiles:

Agricultural specialists, whose knowledge of local farming practices, crop cycles, and producer relationships will be essential to ensuring consistent product quality and building a reliable supplier network.

Logistics and supply chain consultants, who will support the design and optimisation of distribution routes, cold storage management, and last-mile delivery operations.

Digital and technology professionals, who will oversee the development, maintenance, and progressive scaling of the platform's technical infrastructure.

Legal and regulatory advisers, who will ensure full compliance with applicable food safety standards, labelling requirements, data protection legislation, and broader business regulations in each operating market.

Marketing and brand strategists, who will guide the company's positioning, support customer acquisition campaigns, and develop the communication approach needed to build lasting brand recognition.

2.2.3. Products and Services

CultivConnect's product range has been deliberately structured to serve a broad and diverse customer base without sacrificing coherence or brand consistency. Rather than targeting a single consumer profile, the platform offers three distinct product tiers, each calibrated to a different combination of budget, lifestyle, and purchasing motivation. This tiered architecture allows the company to maximise market reach while maintaining meaningful differentiation between categories and preserving profitability across the full range. Table 2 provides a structured overview of the three tiers and their defining characteristics.

Table 2: CultivConnect Product Range Overview

Characteristic	Weekly Veggie Box	Artisan Pack	Premium Combo Box
Price	€15 - €20	€25 - €35	€40 - €50
Contents	Seasonal fruits and vegetables	Artisan goods (olive oil, jam)	Fresh produce and artisan goods
Target Audience	Price-conscious, individuals, small households	Authentic, high-quality product seekers	Families, higher-income households
Key Feature	Simplicity, affordability	Quality, craftsmanship	Convenience, completeness

The **Weekly Veggie Box** represents the entry-level tier, priced between €15 and €20. It contains a seasonally curated selection of fresh fruits and vegetables sourced directly from local farms, designed primarily for price-conscious consumers, individuals living alone, and small households seeking affordable access to locally produced food.

The **Artisan Pack**, positioned at the mid-range level and priced between €25 and €35, shifts the emphasis from staple produce to quality and craftsmanship. This tier features a selection of value-added artisan goods, including olive oil, milk, jam, olives, and tomato sauce, all sourced from verified local producers. It targets consumers who are motivated less by price than by a desire for authentic, high-quality products with a clear and traceable origin.

The **Premium Combo Box**, priced between €40 and €50, brings together the freshness of the entry tier and the quality of the artisan range in a single comprehensive package. Designed for families and higher-income households, this offering prioritises convenience and completeness, providing customers with a varied and generous weekly supply sourced entirely from local producers.

Underpinning all three tiers is the **digital platform** itself, which constitutes the core service layer of the business. Accessible via both a mobile application and a website, the platform manages the full customer journey: product browsing, order placement, subscription management, payment processing, and real-time delivery tracking. It is the infrastructure that makes the physical product offer scalable, consistent, and commercially viable, and its continued development is as central to the company's long-term success as the quality of the products it delivers.

In commercial terms, CultivConnect operates a hybrid revenue model that pairs subscription-based plans with the option for individual purchases. Table 3 summarises how these two revenue streams interact and the strategic purpose each serves.

Together, the tiered product architecture and the hybrid revenue model create a commercially coherent system: one that is accessible enough to attract a wide range of customers, flexible enough to retain them on their own terms, and structured enough to support the financial sustainability that the business requires to grow.

Table 3: Revenue Model Structure

Revenue Stream	**Mechanism**	**Strategic Purpose**
Subscription-based	Weekly or monthly recurring plans	Predictable income, operational planning, customer retention
One-time purchases	Individual orders placed on demand	Reduces trial barriers, captures occasional and seasonal demand
Delivery fees	Charged to non-subscribers or express orders	Partial logistics cost recovery

2.2.4. Mission and Vision

A company's mission and vision statements serve a purpose that extends well beyond corporate formality. At their best, they articulate the fundamental reason a business exists and the future it is working to bring about, providing both an internal compass for decision-making and an external signal to customers, partners, and stakeholders about what the organisation genuinely stands for.

Mission

To connect farmers and consumers directly, delivering fresh and locally sourced food with fairness, transparency, and minimal environmental impact.

Vision

To become the leading digital platform for short-chain food distribution across Europe and North Africa, proving that commercial success and social responsibility can grow together.

Alignment Between Mission and Vision

The two statements form a coherent progression rather than two isolated declarations. The mission defines what CultivConnect does today and the principles that govern how it operates. The vision defines where that commitment leads over time, and the scale of change it seeks to bring about. Together, they position CultivConnect not merely as a food delivery service, but as a purposeful enterprise with a long-term stake in the transformation of sustainable food systems across two continents.

2.2.5. Objectives

Operational Objectives

- Launch the digital platform (mobile application and website) in Portugal by 2026
- Establish partnerships with local farmers and suppliers to ensure consistent product availability
- Build an efficient logistics system capable of managing sourcing, packaging, and delivery operations
- Achieve a customer base of 500 to 1,000 active subscribers during the initial stages
- Improve supply chain efficiency through data-driven demand forecasting, reducing food waste and optimizing inventory management

Financial Objectives

- Reach an annual turnover exceeding €300,000 within the first three years of operation
- Achieve positive net results and financial stability within 2 to 3 years
- Ensure sustainable growth in revenue, aligned with projected turnover increase from €227,900 to €611,857 over the planning period
- Maintain controlled operational costs, particularly in logistics and supply chain management

Strategic Objectives

- Develop a strong and recognizable brand associated with freshness, sustainability, and transparency
- Build long-term relationships with both producers and consumers to ensure customer loyalty and retention
- Expand operations to Tunisia within 4 to 5 years, leveraging similarities in agricultural structure and market demand
- Position CultivConnect as a scalable and innovative digital platform within the agri-food sector

Social Objectives

- Improve the income and financial stability of small-scale farmers by reducing intermediaries and increasing their share of the final price
- Support local agricultural communities by creating stable demand and long-term partnerships

- Promote fair trade practices and transparency across the supply chain
- Contribute to job creation, particularly in logistics, operations, and digital services
- Increase consumer awareness regarding sustainable consumption and local sourcing

Environmental Objectives

- Reduce food miles by prioritizing local sourcing and short supply chains
- Minimize food waste through better demand forecasting and optimized inventory management
- Use eco-friendly and recyclable packaging materials
- Lower carbon emissions associated with transportation and distribution
- Encourage sustainable farming practices by partnering with environmentally responsible producers

2.2.6. S.W.O.T. Analysis

Strengths

- Direct farmer-to-consumer model increases efficiency and reduces costs
- Strong alignment with sustainability and EU food policies
- Growing demand for local, fresh, and traceable food
- Scalable digital platform with low marginal expansion cost

Weaknesses

- Logistics complexity, especially in last-mile delivery
- Dependence on consistent supply from small farmers
- Initial investment of **€48,500** required for equipment and operations
- Need to build brand trust in early stages

Opportunities

- Expansion to Tunisia and other similar markets
- Rapid growth of e-commerce and food delivery services
- Increasing consumer awareness of sustainability and health
- Potential partnerships with restaurants, local shops, and cooperatives

Threats

- Strong competition from supermarkets and large retailers
- Consumer price sensitivity, especially during inflation periods
- Supply risks due to seasonality and climate conditions
- Regulatory and food safety requirements

2.2.7. Business Model Canvas

The Business Model Canvas of CultivConnect illustrates a digital, direct-to-consumer model that connects local farmers with urban customers through an integrated platform. The company creates value by offering fresh, traceable, and sustainably sourced products while reducing intermediaries and improving pricing for both producers and consumers. Its key activities include platform management, product sourcing, logistics, and marketing, supported by partnerships with farmers and delivery providers. Revenue is generated through a combination of subscription plans and one-time purchases, ensuring recurring income and flexibility. Overall, the model is designed to be scalable, efficient, and aligned with current trends in sustainability and digital consumption (Figure 4).

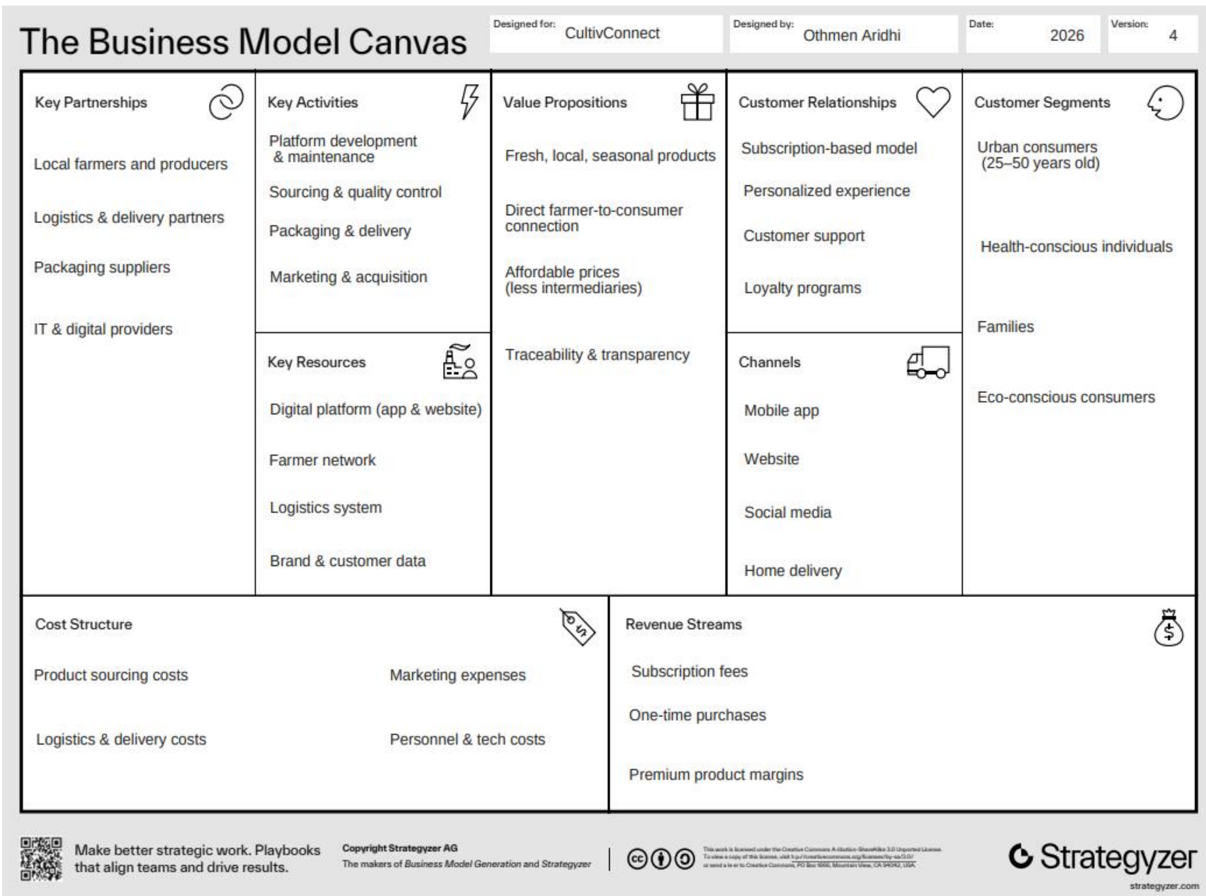

Figure 4: Business Model Canvas of CultivConnect

2.3. Market Analysis

A business plan that is not grounded in a rigorous understanding of its external environment risks mistaking ambition for strategy. The market analysis presented in this section serves precisely to prevent that error: it evaluates the conditions under which CultivConnect will operate, identifies the customer segments it is best positioned to serve, maps the competitive landscape it will need to navigate, and assesses the broader trends that are reshaping consumer behaviour and food retail across Portugal and beyond. Taken together, these elements provide the evidential foundation on which the strategic and financial choices developed in subsequent sections rest. The overall picture that emerges is one of a sector in active transition, where the convergence of digitalisation, sustainability awareness, and shifting consumer expectations is creating genuine and growing space for innovative, direct-to-consumer models of the kind that CultivConnect proposes.

2.3.1. Target market

CultivConnect's primary customer base consists of urban consumers between the ages of 25 and 50, with moderate to high disposable incomes and a demonstrated and growing interest in the quality, provenance, and environmental footprint of the food they purchase. This is a digitally confident group, accustomed to managing a wide range of daily needs through mobile applications and online platforms, including grocery shopping and delivery services. Convenience is a central driver of their purchasing behaviour: the typical member of this segment leads a time-pressured professional or family life and places considerable value on solutions that reduce the cognitive and logistical burden of routine tasks such as food procurement.

Geographically, the initial market focus falls on Portugal's two principal urban agglomerations, Lisbon and Porto, where more than 80% of the national population is now concentrated. These cities combine the characteristics most favourable to CultivConnect's launch: high population density, above-average purchasing power, a strong culture of digital adoption, and a significant concentration of the working professionals, young families, and internationally mobile residents who are most likely to embrace a subscription-based local food service.

Within this broad demographic, several distinct customer profiles deserve particular attention. Health-conscious individuals, including fitness-oriented young professionals who prioritise nutritional quality and seek fresh, minimally processed alternatives to supermarket staples, represent an early-adopter segment with both the means and the motivation to engage with the platform from the outset. Families with children constitute a second important group: for these customers, food safety, nutritional reliability, and the time-saving convenience of a regular weekly delivery are all strong purchasing motivations, and the subscription model aligns well with the predictable rhythm of household consumption.

Environmentally aware consumers form a third distinct segment. Motivated by a genuine concern for the ecological consequences of their purchasing decisions, these individuals actively seek out businesses that can demonstrate a credible commitment to sustainability, local sourcing, and reduced supply chain impact. For this group, choosing CultivConnect is not simply a matter of convenience or quality; it is an expression of values. A fourth segment worth noting is that of busy urban professionals, including corporate employees and entrepreneurs, for whom the weekly food box replaces the time-consuming and often fragmented experience of visiting multiple shops or markets. Finally, students and young couples represent an emerging and price-sensitive segment that is well served by the entry-level Veggie Box, providing an accessible point of entry into the platform's ecosystem.

Cutting across all of these profiles is a broader behavioural shift that significantly improves the conditions for CultivConnect's commercial model: the widespread normalisation of subscription-based consumption. The success of streaming platforms, meal kit services, and direct-to-consumer subscription brands has conditioned a large and growing segment of the population to think of recurring payment arrangements not as a commitment to be avoided but as a convenient and often cost-effective way of managing regular needs. CultivConnect is designed to capitalise on this shift, offering flexible subscription options that accommodate different household sizes, budgets, and consumption frequencies, alongside the option of individual purchases for those not yet ready to commit to a plan.

In summary, the target market is defined by the intersection of demographic, behavioural, and psychographic characteristics: urban residence, digital fluency, health awareness, sustainability orientation, and a lifestyle that places a premium on convenience and quality. This combination aligns closely and consistently with CultivConnect's value proposition, providing a well-defined and commercially attractive foundation for market entry and long-term growth (Figure 5).

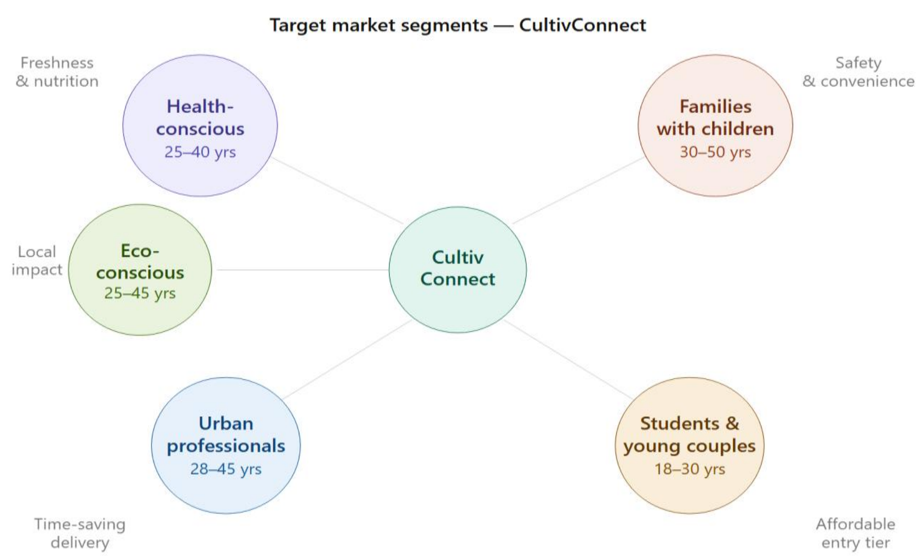

Figure 5: CultivConnect Target Market Segments

2.3.2. Market evaluation

The Portuguese food retail market constitutes a large, mature, and structurally stable sector, with total hypermarket and supermarket sales reaching €18.4 billion in 2024, sustained by the consistent and non-discretionary nature of consumer demand for essential food products. Within this overall market, the online grocery segment occupies a still relatively modest but rapidly expanding position. The grocery delivery market in Portugal is projected to reach a volume of US$390.80 million in 2024, growing at a compound annual rate of 8.11% through to 2028, with the number of users expected to reach 3.2 million by 2028. The food and beverages category within Portuguese e-commerce is furthermore forecast to expand at a compound annual growth rate of 15.02% through to 2030, making it one of the fastest-growing digital retail segments in the country.

The COVID-19 pandemic represents the most significant behavioural inflection point in recent Portuguese retail history. Digital channels received a substantial boost during and after the pandemic, as purchasing habits changed fundamentally, and these channels continue to serve as an important growth driver across the sector. A considerable proportion of consumers who adopted online grocery services during lockdown have continued to use them, having discovered that the convenience, time efficiency, and flexibility of digital ordering align well with the demands of urban professional and family life. Mobile devices already account for 36% of online sales in Portugal, confirming that the digital infrastructure required to support a platform-based food business is firmly in place.

Food price inflation has added a further layer of complexity to the demand picture. Between 2022 and 2023, food prices in Portugal rose by approximately 19.9%, intensifying consumer price sensitivity without reversing the underlying appetite for quality and transparency. Retail value growth for supermarkets reached 11% in 2023, though this reflected price increases rather than volume growth, as consumers became more strategic in their purchasing decisions and increasingly turned to private label alternatives. This environment sharpens the commercial logic of CultivConnect's model directly: by removing successive margin layers from the distribution chain, the platform is structurally positioned to offer a better price-to-quality ratio at precisely the moment when consumers are most actively scrutinising the value they receive.

From the supply side, the picture is equally instructive. According to the INE Farm Structure Survey 2023, Portugal recorded 261,500 agricultural holdings covering 3.861 million hectares, with an average economic size of just €31,400 of standard output per farm. Agriculture in Portugal is based predominantly on small to medium-sized family-owned units, many of which produce goods of genuine quality but lack the commercial infrastructure or volume capacity to access mainstream supermarket distribution networks on favourable terms. The Portuguese agricultural sector recorded a total production value of €12.5 billion in 2023, yet its gross value added represented only 1.7% of GDP, reflecting the degree to which value generated in production is captured further down the distribution chain rather than returned to producers. For these farming operations, CultivConnect represents not merely an additional sales channel but a qualitatively different kind of market access: one that removes intermediary gatekeepers, returns a substantially larger share of the transaction value to the producer, and creates the conditions for direct, stable, and long-term commercial relationships.

Taken together, the demand and supply dynamics of the Portuguese food retail market point to the existence of a growing and commercially significant opportunity, in which digital, sustainability-oriented, and direct-to-consumer solutions are not simply differentiated options but genuine responses to structural inadequacies in the current system. CultivConnect is designed to occupy precisely this space.

2.3.3. Targeted share

CultivConnect's approach to market penetration is deliberately phased and grounded in commercial realism. Rather than pursuing aggressive early-stage growth at the cost of operational quality or financial stability, the company has designed a step-by-step expansion strategy that prioritises the consolidation of each phase before committing resources to the next. This graduated logic serves a dual purpose: it manages risk during the most financially vulnerable period of the venture's life, and it preserves the flexibility needed to learn from real market behaviour and adjust the model accordingly.

Short Term — Years 1 to 2

During the initial phase of operation, CultivConnect targets the capture of between **0.1% and 0.2%** of the addressable urban food market in Portugal. In practical terms, this translates to the acquisition of approximately **500 to 1,000 active subscribers** in the major urban centres of Lisbon and Porto. The focus at this stage is deliberately narrow: early adopters, specifically environmentally conscious consumers, health-oriented professionals, and digitally active urban households, represent the segment most naturally aligned with the platform's value proposition and therefore most likely to convert, engage consistently, and generate the word-of-mouth referrals that are critical for early-stage growth. Revenue at this phase will be modest, but the operational learning accumulated during this period, in terms of logistics optimisation, product mix calibration, and customer experience refinement, will constitute one of the most valuable assets the company can carry into the phases that follow.

Medium Term — Years 3 to 5

As brand recognition strengthens and operational processes mature, CultivConnect aims to expand its market share to between **1% and 2%** of the Portuguese urban food market. This growth will be supported by a combination of factors: a broader and more diverse product offering, progressively more efficient logistics infrastructure, and a compounding customer retention effect as the subscriber base stabilises and loyalty deepens. Geographic expansion within Portugal, extending the platform's reach beyond Lisbon and Porto to mid-sized cities such as Braga, Coimbra, and Setúbal, will contribute materially to this phase of growth, opening new demand pools without requiring fundamental changes to the underlying business model.

Long Term — Market Expansion

The long-term horizon extends the CultivConnect model beyond Portugal entirely. Tunisia represents the primary target for international expansion, selected on the basis of structural similarities that make the business model directly transferable: a high concentration of small-scale farming operations, an urban population exceeding **70%** of the total, and a growing consumer appetite for fresher, more transparent, and sustainably sourced food products. Entering this market within a four-to-five-year timeframe would allow CultivConnect to leverage the operational knowledge, technology infrastructure, and brand positioning developed in Portugal, while adapting the commercial offer to local agricultural conditions and consumer preferences.

This phased and evidence-driven approach to market development reflects a deliberate strategic choice: to build a business that grows at the pace its operational foundations can support, rather than one that scales rapidly at the expense of quality and consistency on which long-term customer loyalty depends.

2.3.4. Market trends

Several key trends support the development and long-term viability of CultivConnect (Figure 6):

- **Digitalization of food consumption:** The increasing use of smartphones and online platforms has transformed consumer behavior. In Portugal, internet penetration exceeds **80%**, facilitating the adoption of e-commerce solutions.
- **Preference for local products:** Studies indicate that more than **70% of consumers prefer locally sourced food**, associating it with higher quality, freshness, and trust.
- **Sustainability awareness:** Consumers are becoming more aware of environmental issues such as carbon emissions and food waste. For example, reducing "food miles" has become an important factor in purchasing decisions.
- **Health-conscious consumption:** There is a growing demand for fresh, organic, and minimally processed food, particularly among younger generations.
- **Convenience and subscription models:** The rise of subscription-based services (e.g., streaming platforms, meal kits) has influenced consumer expectations, making recurring delivery services more attractive.

These trends create a **favorable environment** for CultivConnect, aligning closely with its value proposition.

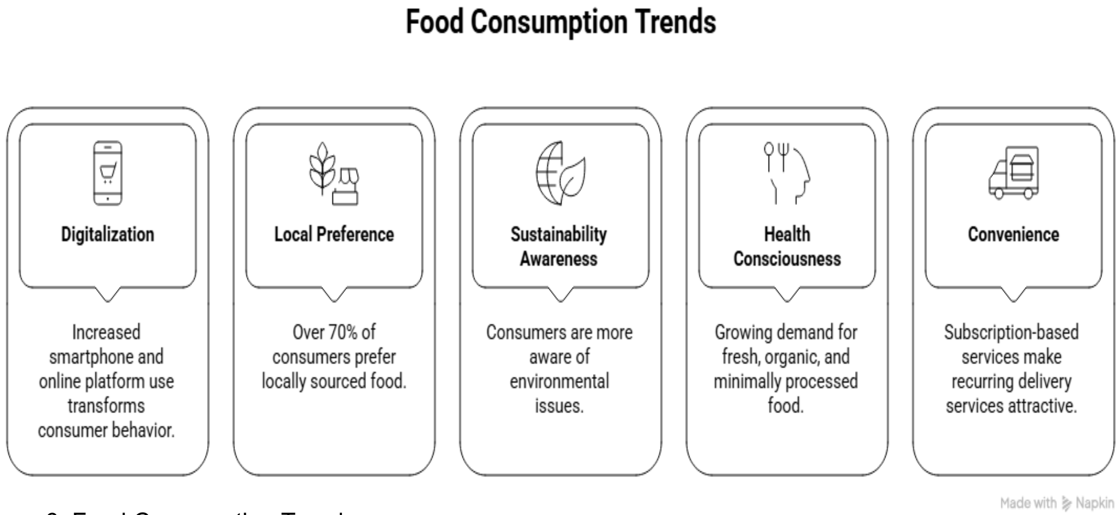

Figure 6: Food Consumption Trends

2.3.5. Competitors

Understanding the competitive environment in which CultivConnect will operate is essential not only for identifying the threats the company must navigate but also for locating the precise gap in the market that its model is designed to fill. The Portuguese food retail sector is characterised by a mix of dominant incumbent players, emerging digital alternatives, and deeply embedded traditional channels, each competing for the attention and spending of an increasingly discerning consumer base.

Direct Digital Competitors

The most immediately comparable competitors to CultivConnect are direct-to-consumer digital food platforms, and it is notable that this category remains relatively underdeveloped in Portugal. CrowdFarming, a European platform that enables consumers to purchase directly from individual farms, operates in the Portuguese market and targets a broadly similar customer profile. A small number of organic and specialty online stores have also established home delivery services, offering curated selections of premium and certified products. However, these alternatives typically operate with a narrower product range, higher price points, and more limited logistics infrastructure than CultivConnect intends to build. The relative scarcity of direct digital competitors in Portugal represents a meaningful window of opportunity for early market entry and brand establishment before the segment becomes more crowded.

Indirect Competitors

Indirect competition is considerably more formidable. The Portuguese food retail market is highly concentrated at the top, with large chains commanding the majority of consumer spending. Continente, operated by Sonae, holds the leading market position, followed closely by Pingo Doce, whose parent company Jerónimo Martins reported Portuguese retail sales of **€5.3 billion in 2025**. Lidl holds a market share of approximately **11.9%**, while Mercadona, the Spanish retail giant, generated **€2.1 billion** in Portuguese sales in its most recent financial year. These players benefit from well-established logistics networks, deep consumer trust built over decades, competitive pricing underpinned by economies of scale, and increasingly capable online shopping and home delivery services.

Beyond the major supermarket chains, traditional local markets and neighbourhood grocery stores retain significant cultural relevance in Portugal, particularly for fresh produce categories such as fruits, vegetables, and dairy. These outlets offer proximity and a degree of personal relationship that larger retailers struggle to replicate. At the other end of the convenience spectrum, on-demand delivery platforms such as Glovo and Uber Eats have expanded aggressively into grocery delivery in Portuguese urban centres, competing primarily on speed rather than product quality or provenance.

Competing Products and Services

The range of food products and delivery services currently available to Portuguese consumers is broad, spanning fresh produce sold through supermarkets and local markets, organic and premium goods offered by specialty online retailers, pre-packaged grocery box services, on-demand delivery through mobile applications, and imported or mass-produced food available at lower price points. Taken together, these alternatives give consumers a wide range of choices across the dimensions of price, convenience, and product variety. What they consistently fail to deliver, however, is a coherent combination of freshness, sustainability, direct sourcing, and price transparency. It is precisely this combination that CultivConnect is built to provide.

Strengths and Weaknesses of Existing Competitors

A structured assessment of the competitive landscape reveals both the scale of the challenge that incumbents represent and the structural limitations that create genuine space for a differentiated entrant.

In terms of strengths, established competitors benefit from strong and widely recognised brand identities that generate consumer trust without significant ongoing investment. Their logistics and distribution infrastructures, built and refined over many years, allow them to fulfil large volumes of orders reliably and cost-efficiently. Wide product assortments, competitive pricing supported by purchasing scale, and increasingly fast urban delivery services all reinforce their position with the broad consumer base.

Their weaknesses, however, are no less structural. Long and complex supply chains, which are an inherent feature of high-volume conventional retail, reduce product freshness and make genuine traceability practically impossible. Products sold through major retail chains may travel several hundred kilometres and pass through multiple intermediary hands before reaching the consumer, with each stage adding time, cost, and opacity. The revenue share returned to agricultural producers within these systems is consistently low, typically representing only a fraction of the final retail price. Standardisation, which is necessary for managing the operational complexity of large-scale distribution, limits product differentiation and reduces the ability of these retailers to serve consumers who are seeking something more specific, more local, or more meaningful than a mass-market alternative.

Positioning and Strategic Gap

The competitive analysis confirms that the Portuguese food market, despite its apparent density, contains a clearly identifiable and commercially significant gap. No existing player combines the convenience of digital ordering, the quality assurance of direct farm sourcing, the transparency of full supply chain visibility, and a genuine commitment to environmental and social sustainability within a single, accessible, and competitively priced platform. CultivConnect is designed to occupy this gap precisely. By positioning itself between the mass-market supermarket and the premium organic boutique, offering better quality than the former and better value than the latter, the company targets a growing segment of urban consumers whose expectations the current competitive landscape is structurally ill-equipped to meet (Figure 7).

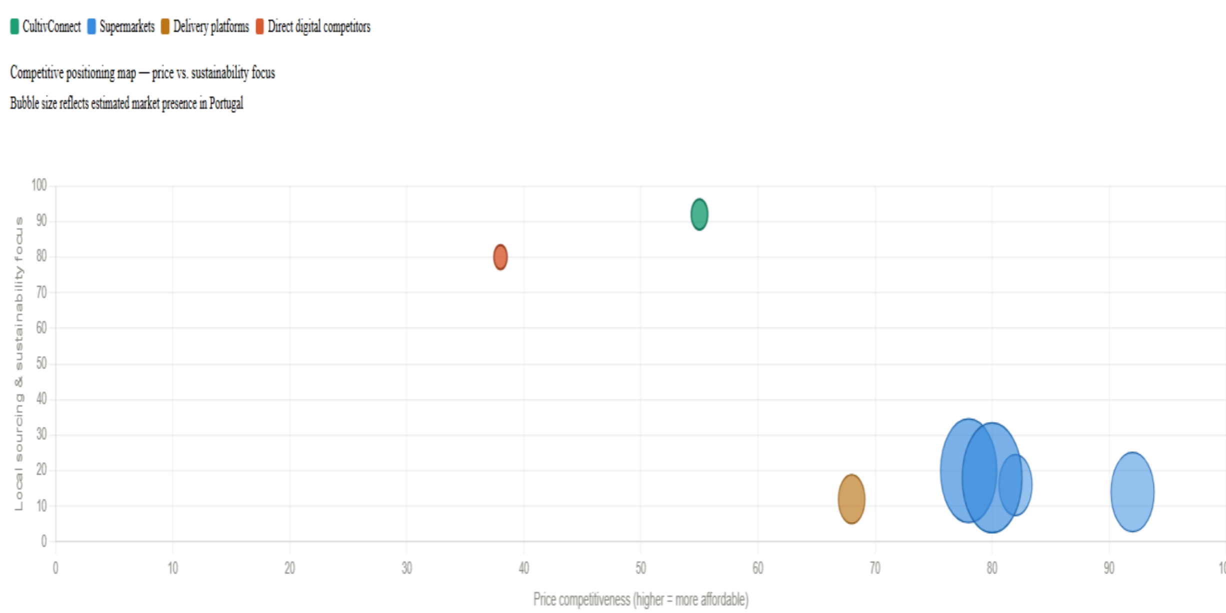

Figure 7: Competitive Positioning Map and Market Presence — CultivConnect vs. Key Competitors in Portugal

2.3.6. Competitive advantages

CultivConnect's competitive position is not built on a single differentiating feature but on a mutually reinforcing set of structural, operational, technological, and strategic advantages that collectively address the most persistent inefficiencies in conventional food distribution. Each advantage is meaningful in its own right; together, they constitute a proposition that incumbent players find genuinely difficult to replicate without fundamentally reorganising the way they source, distribute, and sell food.

A shorter, fairer supply chain

The most foundational advantage is the architecture of the supply chain itself. In conventional retail, a product typically passes through a sequence of wholesalers, distributors, cold storage facilities, and retail buyers before it reaches the consumer. Each stage extracts a margin, adds transit time, and introduces a further degree of separation between producer and end buyer. The cumulative effect is a system in which farmers receive only a fraction of the price consumers ultimately pay: estimates consistently place the producer's revenue share in traditional distribution channels at between **20% and 25%** of the final retail price. CultivConnect eliminates the majority of these intermediary stages, enabling partner farmers to capture more than **50%** of the transaction value.

Direct and long-term farmer partnerships

The relationships that CultivConnect builds with its producer network represent a second layer of competitive advantage, and one that deepens over time. Unlike spot-market procurement, which prioritises price and volume over consistency and trust, long-term farmer partnerships create a stable commercial foundation on both sides of the arrangement. Producers gain predictable demand, reducing the uncertainty that leads to overproduction and waste. The platform gains product consistency and supply reliability, which are prerequisites for maintaining the quality promise on which customer retention depends. As these relationships mature, they also generate a degree of exclusivity that is difficult for a new entrant to replicate quickly.

Superior freshness and product quality

The supply chain's brevity translates directly into a product quality advantage that consumers can detect without explanation. Products sold through conventional supermarket channels may spend several days in transit and storage before reaching the shelf, with freshness declining at every stage. CultivConnect's model delivers products within a significantly shorter window after harvesting, preserving nutritional value, flavour, and texture in ways that long-chain distribution cannot match.

A proprietary digital platform

The digital infrastructure underpinning the business is a competitive asset in its own right, and one that grows more valuable as the platform accumulates data and refines its capabilities. Through the mobile application and website, customers can browse the product range, configure and manage subscriptions, customize individual orders, and track deliveries in real time. For the company, the platform generates a continuous stream of consumer behaviour data that can be used to optimise inventory management, reduce waste, personalise product recommendations, and improve the targeting and efficiency of marketing activity. This data flywheel, in which more users generate better data, which enables better service, which attracts more users, is a structural advantage that compounds over time and is difficult for a competitor without an equivalent user base to replicate (Figure 8).

Sustainability as a structural commitment

CultivConnect's sustainability credentials are not a marketing overlay applied to a conventional business model; they are a direct consequence of the way the model is designed. By prioritising local sourcing, the platform structurally reduces food miles. By coordinating supply more closely with demand, it reduces the overproduction and surplus that generate food waste throughout conventional distribution chains. By minimising packaging layers, it reduces material waste at the point of consumption. These outcomes are real, measurable, and increasingly valued by a consumer base that is growing more attentive to the environmental and social consequences of its purchasing decisions, particularly among younger urban demographics who increasingly factor a company's sustainability record into their brand loyalty.

Flexible pricing and broad market reach

The three-tier product structure, spanning entry-level vegetable boxes, mid-range artisan packs, and premium combination boxes, gives CultivConnect a market reach that a single-price-point model could not achieve. By serving customers from students and budget-conscious young professionals through to families and higher-income households, the platform avoids the revenue concentration risk of targeting too narrow a segment, while maintaining coherence and quality across the entire range. This pricing flexibility also enables the company to acquire customers at the entry level and progressively move them up the value ladder as their engagement with the platform deepens.

A commercially resilient revenue model

The combination of subscription-based revenue and individual purchase options creates a commercial structure that is both stable and adaptable. Subscription income provides the recurring, predictable revenue stream that supports operational planning, smooths cash flow across seasons, and reduces the per-customer acquisition cost over the lifetime of the relationship. The single-purchase option, meanwhile, captures demand from occasional buyers and first-time users who are not yet ready to commit to a recurring plan, ensuring that the platform's commercial reach extends beyond its subscriber base. Together, these two revenue streams make CultivConnect financially more resilient than a model dependent on either alone.

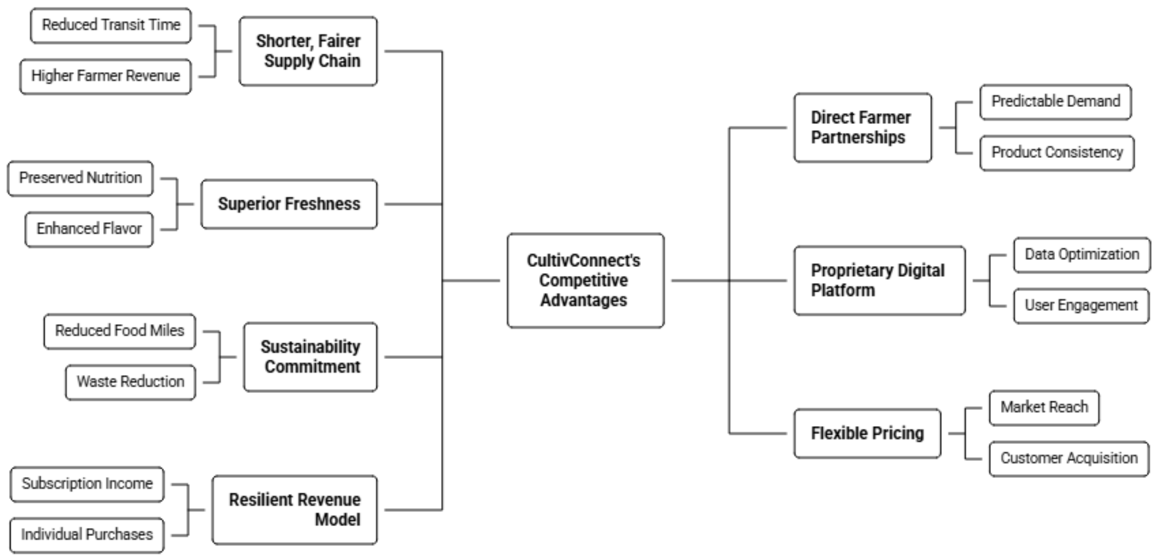

Figure 8: CultivConnect's Competitive Advantages

Finally, the company's future scalability represents a strategic advantage. The digital nature of the platform allows the business model to be replicated and expanded into other markets, particularly Tunisia, where similar agricultural structures and urbanization trends create additional growth opportunities.

Overall, these competitive advantages position CultivConnect as an innovative, sustainable, and customer-oriented alternative within the Portuguese agri-food market.

2.3.7. Benefits to clients

Fresh and Local Products

One of the biggest advantages of CultivConnect is that customers receive fresh and local products directly from nearby farms. Fruits, vegetables, and artisan products are delivered shortly after harvesting, which helps maintain their freshness, taste, and nutritional value. In many supermarkets, products travel long distances and remain stored for several days before reaching consumers. CultivConnect reduces this process by creating a shorter and more direct supply chain.

This approach also encourages seasonal consumption and allows customers to enjoy products that are more natural and closely connected to local agriculture. For example, consumers in Lisbon can receive vegetables harvested from nearby farming regions within a short period of time.

Transparency and Traceability

Today, many consumers want to know where their food comes from and how it was produced. CultivConnect responds to this need by giving customers access to information about local farmers, production methods, and product origins through the digital platform.This transparency creates trust and allows customers to make more informed choices. For instance, someone buying olive oil or vegetables can identify the producer and understand how the products were cultivated or prepared. Compared to traditional supermarkets, where supply chains are often less visible, this direct connection creates a stronger relationship between consumers and producers.

Convenience and Time Saving

Convenience is another important benefit offered by CultivConnect. Through the mobile application and website, customers can easily order products, manage subscriptions, and follow deliveries without leaving their homes.

This is especially useful for people living in urban areas who have busy schedules and limited time for grocery shopping. Instead of visiting different stores or markets, customers can receive fresh products directly at their doorstep. The subscription system also simplifies regular purchases and helps consumers save time in their daily routines.

Better Price-Quality Ratio

CultivConnect aims to provide a good balance between quality and affordability. By reducing the number of intermediaries, the company lowers unnecessary distribution costs while ensuring fair prices for farmers.

As a result, customers can access fresher and higher-quality products at reasonable prices. This creates value for consumers who want healthy and sustainable food without paying excessively high prices often associated with premium organic stores.

Support for Local Farmers and Economy

Another important benefit is the positive impact on local farmers and regional economies. Through direct purchasing, a larger portion of the final price goes to producers instead of intermediaries. This helps improve farmers' income and supports small agricultural businesses.

For many consumers, supporting local producers is not only an economic decision but also a social and ethical choice. CultivConnect allows customers to contribute to local development while helping preserve regional agricultural traditions.

Sustainable Consumption

CultivConnect promotes more sustainable consumption habits by encouraging local sourcing and reducing transportation distances. Shorter supply chains help decrease carbon emissions and reduce the environmental impact associated with food distribution.

The company also aims to use eco-friendly packaging solutions and minimize food waste through better coordination between supply and demand. This responds to the growing number of consumers who prefer environmentally responsible products and services.

Product Flexibility and Personalization

The platform offers different product ranges adapted to various customer needs and budgets. Customers can choose between simple vegetable boxes, artisan product packs, or premium combinations depending on their preferences and purchasing power. This flexibility makes the service accessible to different types of consumers, including students, young professionals, families, and higher-income households. Customers can also adjust subscription frequency and product choices according to their needs.

Improved Customer Experience

CultivConnect uses digital technology to improve the overall customer experience. The platform offers simple navigation, online payments, order tracking, and customer support, making the service easy and practical to use. Over time, the platform can also personalize recommendations based on customer preferences and purchasing habits. For example, regular customers may receive suggestions for products that match their interests or previous orders. This personalized experience helps strengthen customer satisfaction and loyalty.

Conclusion

Overall, CultivConnect offers customers much more than a simple food delivery service. The platform combines freshness, convenience, transparency, sustainability, and social impact in a way that responds to modern consumer expectations. By connecting local farmers directly with urban consumers, CultivConnect creates value for both producers and customers while promoting a more sustainable and efficient food system.

2.4. Marketing / sales strategy

The marketing and sales strategy of CultivConnect is designed to support the company's growth while building a strong and trustworthy relationship with customers and local farmers. The strategy combines digital marketing, subscription-based sales, competitive pricing, and customer-focused communication to position the platform as a modern and sustainable solution within the agri-food market.

The company aims to attract urban consumers looking for convenience, freshness, and transparency while also creating long-term customer loyalty through personalized services and sustainable values.

2.4.1. Income

The revenue model of CultivConnect is designed to combine recurring income with flexible purchasing options in order to ensure financial sustainability and long-term business growth. The company generates income through subscriptions, direct sales, delivery services, and future strategic partnerships. This diversified structure reduces financial risk while allowing the business to adapt to changing market conditions and customer preferences.

Subscription-Based Revenue

The primary source of income for CultivConnect comes from its subscription-based model. Customers can subscribe to weekly or monthly food boxes depending on their lifestyle, household size, and consumption habits. This model provides the company with stable and predictable recurring revenue, which is essential during the early stages of business development.

The subscription system also improves operational planning by allowing the company to forecast demand more accurately, optimize inventory levels, and reduce food waste. In addition, recurring subscriptions strengthen customer loyalty and create long-term relationships between the platform and its users. CultivConnect plans to offer different subscription categories adapted to various customer segments (Table 4):

Table 4: Subscription categories

Subscription Plan	**Estimated Price**	**Target Customers**
Basic Veggie Box	€15–€20	Students, individuals, small households
Artisan Pack	€25–€35	Health-conscious and quality-focused consumers
Premium Combo Box	€40–€50	Families and higher-income households

For example, a family subscribing to a weekly Premium Combo Box could generate approximately €160–€200 in monthly recurring revenue. As the customer base grows, this model creates a reliable and scalable source of income.

One-Time Purchases

In addition to subscriptions, CultivConnect allows customers to place one-time orders through the digital platform. This flexibility is important for attracting new users who may want to test the service before committing to a recurring plan.

One-time purchases also allow the company to benefit from seasonal demand peaks and special occasions such as holidays, local events, or promotional campaigns. For instance, artisan products and seasonal food boxes may experience increased demand during festive periods.

This purchasing option helps broaden the customer base by accommodating consumers who prefer occasional purchases rather than fixed subscriptions.

Delivery Fees

Another source of revenue comes from delivery fees. While subscription customers may benefit from reduced or included delivery costs, non-subscribed users or customers requesting express delivery services may pay additional charges.

Delivery pricing will be carefully balanced to remain affordable while helping cover logistics and transportation expenses. For example, delivery fees may vary depending on:

- Delivery distance
- Delivery speed
- Order size
- Subscription status

The company may also introduce free delivery thresholds to encourage larger purchases and improve customer retention.

Future Revenue Opportunities

In the long term, CultivConnect plans to diversify its income sources in order to strengthen profitability and support business expansion.

Potential future revenue streams include:

- **Partnerships with restaurants and cafés:** Supplying fresh local products to restaurants interested in sustainable sourcing and high-quality ingredients.
- **Premium memberships:** Offering exclusive products, priority delivery, or special discounts to premium subscribers.
- **Advertising and visibility for producers:** Allowing local farmers and artisan producers to promote their products directly on the platform.
- **Corporate subscription packages:** Providing food boxes and healthy product subscriptions to offices, companies, and coworking spaces.
- **Seasonal and limited-edition products:** Introducing special product collections during holidays or regional events.

These additional opportunities can increase revenue diversification while reducing dependence on a single business activity.

Conclusion

The income model of CultivConnect combines financial stability, operational flexibility, and future scalability. By integrating subscriptions, direct sales, delivery services, and strategic partnerships, the company creates multiple revenue streams capable of supporting sustainable growth and long-term profitability within the agri-food market.

2.4.2. Marketing strategy

The marketing strategy of CultivConnect is centered on creating a strong digital presence, building customer trust, and promoting the values of freshness, sustainability, and local consumption. The company aims not only to sell products but also to create a meaningful connection between consumers and local farmers.

The strategy combines digital communication, community engagement, and customer retention initiatives to build long-term brand loyalty and market visibility.

Digital Marketing

CultivConnect will primarily rely on digital marketing channels to reach its target audience, especially urban consumers who are highly connected to online platforms and mobile applications. Social media platforms such as Instagram, Facebook, and TikTok will play a central role in promoting the brand and engaging with customers.

The company's digital communication strategy will focus on visually appealing and informative content that highlights:

- Healthy lifestyles and balanced nutrition
- Sustainable consumption habits
- Stories and profiles of local farmers
- Seasonal fruits, vegetables, and artisan products
- Recipes and cooking inspiration

For example, short videos showing the journey of products from farms to customers can create stronger emotional engagement and improve transparency. Similarly, recipe videos using seasonal products can encourage customer interaction and increase product demand.

In addition to organic social media content, CultivConnect plans to use targeted online advertising campaigns focused on urban consumers aged between 25 and 50 years. These campaigns will emphasize convenience, freshness, and sustainability.

Email marketing will also be used to inform customers about new products, seasonal offers, promotions, and delivery schedules. This helps maintain regular communication and encourages repeat purchases.

Overall, digital marketing allows CultivConnect to reach customers efficiently while building a modern and recognizable brand image.

Community-Based Marketing

Beyond digital promotion, CultivConnect aims to develop a strong community around local food, sustainability, and responsible consumption. The company seeks to position itself not only as a food delivery service but also as a socially and environmentally engaged brand.

Community-based marketing will focus on creating authentic relationships between farmers and consumers. By highlighting the human side of the business, CultivConnect can increase customer trust and emotional attachment to the brand.

Examples of planned initiatives include:

- Participation in local food festivals and sustainability events
- Collaborations with fitness centers, wellness communities, and eco-friendly organizations
- Partnerships with local farms for educational visits or workshops
- Content focused on nutrition, sustainability, and food waste reduction

For example, organizing events where customers can meet local producers may strengthen transparency and reinforce the company's commitment to local agriculture.

This approach also encourages word-of-mouth marketing, which is particularly important for startups during early growth stages.

Customer Retention Strategy

Customer retention is essential for ensuring long-term profitability and sustainable growth. Acquiring new customers can be costly, making loyalty and repeat purchases extremely important for the company's financial stability (Figure 9).

Figure 9: Retention Strategies Boost Customer Loyalty

For instance, customers who maintain subscriptions for several months may receive discounts, free products, or priority delivery services. Referral systems may also provide rewards for both existing and new customers.

The company additionally plans to use customer feedback and purchasing data to improve service quality and personalize customer experience. By understanding customer preferences, CultivConnect can offer more relevant products and strengthen customer satisfaction.

These retention strategies are expected to reduce customer acquisition costs over time while increasing customer lifetime value and brand loyalty.

Conclusion

The marketing strategy of CultivConnect combines digital communication, community engagement, and customer relationship management to create a strong and sustainable brand presence. By focusing on transparency, sustainability, and customer experience, the company aims to differentiate itself from traditional competitors and build long-term relationships with consumers in the Portuguese agri-food market.

2.4.3. Pricing

The pricing strategy of CultivConnect is designed to balance affordability for consumers, fair compensation for farmers, and long-term profitability for the company. Since the platform focuses on freshness, sustainability, and direct sourcing, pricing is positioned to reflect the added value offered compared to traditional retail channels.

The company aims to remain accessible to a broad customer base while maintaining a premium image associated with quality, transparency, and convenience.

Value-Based Pricing

CultivConnect applies a value-based pricing strategy, meaning that prices are determined according to the value perceived by customers rather than only production costs. Consumers are not only purchasing food products but also paying for freshness, convenience, sustainability, and transparency.

Unlike traditional supermarkets, where products often pass through multiple intermediaries, CultivConnect provides products directly from local farmers. This creates additional value by improving product quality and supporting local agriculture.

The company also seeks to ensure fair compensation for producers while maintaining prices that remain reasonable for urban consumers. This balance is important for creating long-term trust between farmers, customers, and the platform itself.

Additionally, value-based pricing helps position CultivConnect as a modern and responsible alternative within the agri-food sector.

Product Pricing Structure

CultivConnect offers different product categories and price ranges adapted to several customer profiles and purchasing capacities (Table 5).

Table 5: Product Pricing Structure

Product	Estimated Price	Target Customers
Basic Veggie Box	€15–€20	Students, individuals, small households
Artisan Pack	€25–€35	Health-conscious consumers
Premium Combo Box	€40–€50	Families and premium consumers

The Basic Veggie Box is designed for price-sensitive customers who want access to fresh and healthy products at affordable prices.

The Artisan Pack targets consumers interested in traditional and higher-quality products such as olive oil, jam, milk, olives, and tomato sauce.

The Premium Combo Box combines fresh produce and artisan products, targeting families and consumers willing to pay more for convenience and quality.

This diversified pricing structure increases market accessibility and allows the company to reach multiple customer segments simultaneously.

Competitive Positioning

CultivConnect positions itself between traditional supermarkets and premium organic stores. While its prices may be slightly higher than mass-market supermarkets, the company offers additional value through freshness, local sourcing, traceability, and sustainability.

Compared to premium organic boutiques, CultivConnect aims to remain more accessible while still maintaining high-quality standards. This intermediate positioning allows the company to attract consumers seeking better products without entering the very high-price segment.

The company also benefits from the growing consumer willingness to pay for healthier and more sustainable food options, especially among younger urban consumers and middle-income households.

Conclusion

The pricing strategy of CultivConnect combines flexibility, accessibility, and value creation. By offering multiple product categories and focusing on quality and sustainability, the company aims to create a strong balance between customer satisfaction, farmer profitability, and business growth.

2.4.4. Advertising and promotion

The advertising and promotion strategy of CultivConnect is focused on increasing brand awareness, attracting new customers, and building a strong image centered on sustainability, local agriculture, and healthy lifestyles. The company aims to use both digital communication and community engagement to create visibility and trust within the Portuguese market.

Social Media Campaigns

Social media advertising will play a major role in promoting CultivConnect, particularly among urban consumers aged between 25 and 50 years. Platforms such as Instagram, Facebook, and TikTok will be used to reach customers through visual and interactive content.

Marketing campaigns will focus on:

- Fresh local products
- Sustainable consumption
- Convenience and home delivery
- Healthy lifestyles and nutrition

Visual content such as product photos, short videos, recipe ideas, customer testimonials, and farmer stories will help improve customer engagement and strengthen the emotional connection with the brand.

For example, videos showing the harvesting process or the preparation of seasonal recipes can create authenticity and increase customer trust.

Influencer and Partnership Marketing

CultivConnect plans to collaborate with individuals and organizations that share similar values related to health, sustainability, and local consumption.

Potential partnerships include:

- Food bloggers and chefs
- Nutritionists and dieticians
- Fitness influencers
- Sustainable lifestyle content creators
- Eco-friendly associations and local organizations

These collaborations can improve brand visibility, increase credibility, and help the company reach targeted communities more effectively.

For instance, a nutritionist recommending CultivConnect products or a local chef using the company's ingredients in recipes could positively influence customer perception and purchasing decisions.

Promotional Offers

To encourage customer acquisition and increase platform usage, CultivConnect plans to introduce several promotional strategies during the launch and growth phases.

Examples include:

- Discounts for first orders
- Free delivery during the first subscription month
- Referral bonuses for inviting new customers
- Seasonal and holiday promotions
- Bundle offers and limited-time discounts

For example, new customers may receive a 10% discount on their first purchase, while existing customers could receive rewards for successful referrals.

These promotional actions can help reduce barriers to trial and accelerate customer growth during the early stages of the business.

Public Relations and Brand Image

CultivConnect aims to build a strong and positive brand image associated with sustainability, local agriculture, transparency, and social responsibility.

Public relations activities may include:

- Participation in food festivals and sustainability events
- Media articles and interviews

- Collaborations with local communities and associations
- Educational campaigns about healthy eating and food waste reduction

The company also seeks to position itself as a socially responsible business that supports local farmers and promotes more sustainable consumption patterns.

By combining digital promotion with community engagement, CultivConnect can strengthen its reputation and differentiate itself from traditional competitors.

Conclusion

The advertising and promotion strategy of CultivConnect combines digital communication, influencer partnerships, promotional campaigns, and community engagement to create strong brand awareness and customer loyalty. By emphasizing sustainability, freshness, and local sourcing, the company aims to build a recognizable and trusted brand within the Portuguese agri-food market.

2.4.5. sales strategy

A marketing strategy identifies the right customers and communicates the right message, while a sales strategy determines how that communication is converted into a commercial relationship (Kotler & Keller, 2016). For CultivConnect, the two are closely intertwined but serve distinct functions. Where marketing builds awareness and desire, the sales strategy defines the mechanisms through which interested consumers become paying subscribers, and through which paying subscribers remain engaged over time. Given the subscription-based architecture of the business model, customer acquisition and customer retention are both revenue-critical priorities, and the sales strategy addresses each with equal seriousness. As Reichheld (2001) demonstrates, increasing customer retention rates by as little as 5% can increase profits by between 25% and 95%, a finding that underscores the commercial importance of retention as a strategic objective in its own right rather than a secondary concern after acquisition. In the context of a subscription business, where the majority of customer lifetime value is generated not at the point of first purchase but through the accumulation of recurring transactions over time, this principle is especially consequential (Tzuo & Weisert, 2018).

Acquisition: converting interest into commitment

The primary sales objective during the launch phase is to convert the awareness generated by digital marketing activity into active subscriptions as efficiently as possible. The conversion pathway has been designed to minimise friction at every stage. Prospective customers who discover the platform through social media, influencer content, or word-of-mouth referrals are directed to a landing page that communicates the value proposition clearly, presents the three product tiers transparently, and makes the sign-up process straightforward. The decision to subscribe is supported by a low-risk introductory offer, specifically a discount on the first order or free delivery during an initial trial period, which reduces the perceived cost of commitment for a first-time user.

The referral programme represents a second acquisition channel of particular strategic importance. Existing subscribers who successfully introduce new customers to the platform receive a tangible reward, creating a commercially incentivised word-of-mouth network that operates at a lower cost per acquisition than paid advertising. In the context of a trust-based product, where personal recommendation carries considerably more weight than brand communications, this channel is expected to generate a disproportionately high share of quality acquisitions, defined as subscribers who convert quickly and demonstrate strong early retention.

Seasonal and event-driven promotional campaigns will be deployed at moments of elevated consumer receptivity, including the beginning of the academic year, holiday periods, and local food or sustainability events. These campaigns are designed not only to drive volume but to introduce the platform to new demographic segments that may not yet be aware of its offer.

Retention: sustaining the subscriber relationship

In a subscription business, the lifetime value of a customer depends not on the first sale but on the length and depth of the ongoing relationship. The sales strategy therefore places significant emphasis on the actions taken after acquisition, during the period when a new subscriber is forming their habits and making their initial assessment of whether the service justifies continued commitment.

The first few weeks of a subscription are commercially critical. During this window, the platform will prioritise delivery reliability, product quality consistency, and proactive customer communication, including personalised welcome content, guidance on making the most of the subscription, and a direct channel for feedback or support. Subscribers who have a positive early experience are substantially more likely to continue; those who encounter problems during this period are substantially more likely to cancel. Managing the early subscriber experience with precision is therefore one of the highest-return activities in the sales calendar.

Beyond the initial period, retention is sustained through a combination of loyalty incentives, progressive personalisation, and ongoing communication. Subscribers who maintain their plan for a defined number of months become eligible for loyalty rewards, which may take the form of discounts, priority access to new or limited seasonal products, or complimentary upgrades. These incentives are designed to make the decision to continue feel actively rewarded rather than simply default. At the same time, the platform's growing accumulation of individual purchasing data will enable progressively more accurate personalisation of product recommendations and subscription configurations, ensuring that the service adapts to each customer's evolving preferences rather than remaining static.

Subscribers who show early signs of disengagement, measured by reduced order frequency, decreased platform activity, or failed payments, will be identified through the platform's analytics and targeted with re-engagement communications before they reach the point of cancellation. This proactive approach to churn management is considerably more cost-effective than attempting to win back customers who have already left.

Business-to-business sales channel

In the medium term, CultivConnect will develop a dedicated business-to-business sales channel targeting restaurants, corporate canteens, catering companies, and food cooperatives. These customers offer a structurally attractive commercial profile: higher average order values, greater purchasing predictability, and lower servicing costs per unit of revenue than individual consumer subscribers. Acquiring a single restaurant as a client, for example, may generate the equivalent revenue of twenty or more household subscriptions with a single sales and logistics relationship to manage.

The B2B sales approach will be led by direct outreach to food businesses whose sourcing values align with CultivConnect's proposition, supported by the credibility and brand recognition built through the consumer business. Dedicated pricing structures, customised product selections, and flexible delivery scheduling will be developed to meet the specific operational requirements of business clients, distinguishing the B2B offer clearly from the consumer subscription model.

Sales performance measurement

The effectiveness of the sales strategy will be monitored through a defined set of commercial metrics, reviewed on a monthly basis. Key indicators include the customer acquisition cost, the subscriber conversion rate from platform visits, the average subscription duration, the monthly churn rate, and the lifetime value per customer. These metrics will inform ongoing adjustments to both the acquisition and retention components of the strategy, ensuring that commercial resources are allocated to the channels and activities that demonstrably generate the strongest return. As the business scales and the data set grows, the precision and sophistication of this performance measurement framework will develop accordingly.

2.5. Digital Platform, Mobile Application, and Brand Identity

The commercial viability of CultivConnect depends not only on the strength of its agricultural supply network and its logistics infrastructure but on the quality and coherence of the digital ecosystem through which customers discover, engage with, and remain loyal to the platform. In a direct-to-consumer business model, the digital interface is not a supporting feature but a primary asset: it is the space in which the brand's values are communicated, the product offer is presented, transactions are completed, and the ongoing customer relationship is managed. This chapter describes the three interconnected dimensions of CultivConnect's digital and brand presence: the website, the mobile application, and the visual identity that gives both consistency and meaning

2.5.1. Website Design and Architecture

CultivConnect's website was developed using a modern and industry-standard technology stack, combining HTML5, CSS3, React, and the Vite development framework (Figures 10-14). This combination of technologies ensures that the platform is fast, responsive, and scalable — capable of delivering a high-quality user experience across devices ranging from desktop computers to tablets and smartphones, and capable of growing in technical complexity as the business and its product range expand.

The website is structured around five principal sections, each serving a distinct commercial and communicational function within the overall user journey.

The hero section constitutes the platform's most important piece of real estate. It is the first element a visitor encounters and must therefore accomplish several objectives simultaneously: communicating who CultivConnect is, what it offers, to whom, and why it is different from conventional alternatives, all within the first few seconds of a visit. The tagline "From Soil to Soul" achieves this with notable economy, establishing the brand's emotional register and its commitment to a direct, meaningful connection between agricultural production and urban consumption. The main headline, "Fresh boxes and local goods from real farms", provides the concrete commercial statement that the tagline implies, and the lead paragraph explicitly names the platform's target audiences: urban households, families, restaurants, and cafés. Two primary calls to action, "Shop our ideas" and "See the farm map", guide users towards the two most commercially significant sections of the platform without creating navigational confusion.

The category navigation section organises the platform's offer across eight distinct product groupings: Vegetables, Fruit, Combo Boxes, Artisan Products, Anti-Waste, Restaurant Supply, Organic, and Discovery. This architecture serves a dual commercial purpose. For the consumer, it provides immediate navigational clarity, allowing users to identify the category most relevant to their needs without scrolling through the full product catalogue. For the business, it communicates the breadth and diversity of the offer, extending well beyond simple vegetable delivery to encompass artisan goods, sustainability-oriented anti-waste products, and a dedicated B2B channel for professional buyers. The inclusion of the Anti-Waste category is particularly noteworthy from a brand perspective: it signals a genuine and operationally specific commitment to food waste reduction that goes beyond rhetorical sustainability claims.

The product catalogue represents the commercial heart of the platform, presenting over thirty product ideas across all categories with a consistent information architecture: a high-quality product image, a category label, a product name, a short description, a price, and a call to action inviting the user to register interest. Three summary statistics displayed prominently above the catalogue, encompassing more than nine vegetable boxes, more than nine fruit boxes, and thirty total product ideas, provide an immediate signal of the platform's scale and variety. The product range reflects the three-tier pricing structure described in Section 2.4.3 and confirms that the platform's commercial architecture is fully implemented in its digital interface. Specific products include the Weekly Veggie Box at €19 per week, the Seasonal Fruit Box at €18 per week, the Premium Combo Box at €29 per week, the Artisan Pack at €24 per box, the Anti-Waste Box from €10, and the Chef Seasonal Crate at a custom price for B2B clients.

The farm map section translates one of CultivConnect's most distinctive competitive advantages — the directness and transparency of its producer relationships — into a tangible and interactive feature of the user experience. Four partner farms are presented, spanning the platform's two primary geographic markets: Green Valley Farm in the Bragança region supplying seasonal vegetables; Sunny Orchard in northern Portugal supplying orchard fruits; Olive Roots Cooperative in Trás-os-Montes supplying olives and artisan goods; and Fresh Fields Tunisia in the Cap Bon region supplying citrus and vegetables. An interactive map powered by OpenStreetMap visualises the geographic coverage of the network, making the platform's commitment to local sourcing visible and verifiable rather than merely claimed. This feature directly supports the traceability value proposition that distinguishes CultivConnect from conventional food retail channels and addresses the growing consumer demand for food transparency documented in the market analysis of Section 2.3.

The contact and interest registration section serves as the platform's primary lead capture mechanism during the pre-launch and early launch phases of operation. A structured form collects the user's name, email address, and a self-selected profile, encompassing customer, farmer or producer, café or restaurant representative, and investor or partner, alongside a free-text field for expressing specific interests. This segmentation design serves a strategic function beyond simple contact management: by categorising incoming registrations by profile type from the first interaction, the platform directs farmers towards producer partnership conversations, restaurants towards B2B supply arrangements, and investors towards appropriate commercial documentation, without the need for manual triage. The result is a lead generation mechanism that is simultaneously simple for the user and operationally efficient for the business.

The overall visual design of the website reflects the brand's identity with consistency and purpose. The colour palette, anchored in deep green and warm golden yellow, is applied across all interface elements to create a coherent and immediately recognisable visual environment. Typography is clean and accessible, with clear hierarchical differentiation between headings, body text, and calls to action. The design is fully responsive, adapting gracefully to different screen sizes without loss of functionality or visual quality, an essential feature for a platform whose target audience is predominantly mobile.

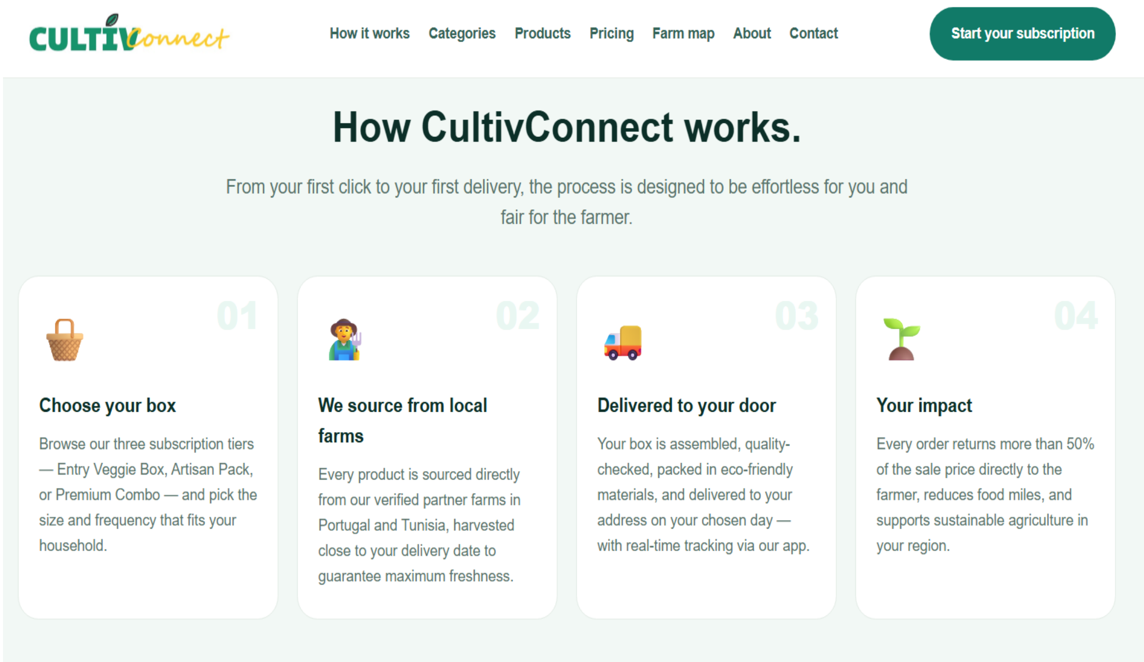

Figure10: CultivConnect Website — Homepage and Hero Section

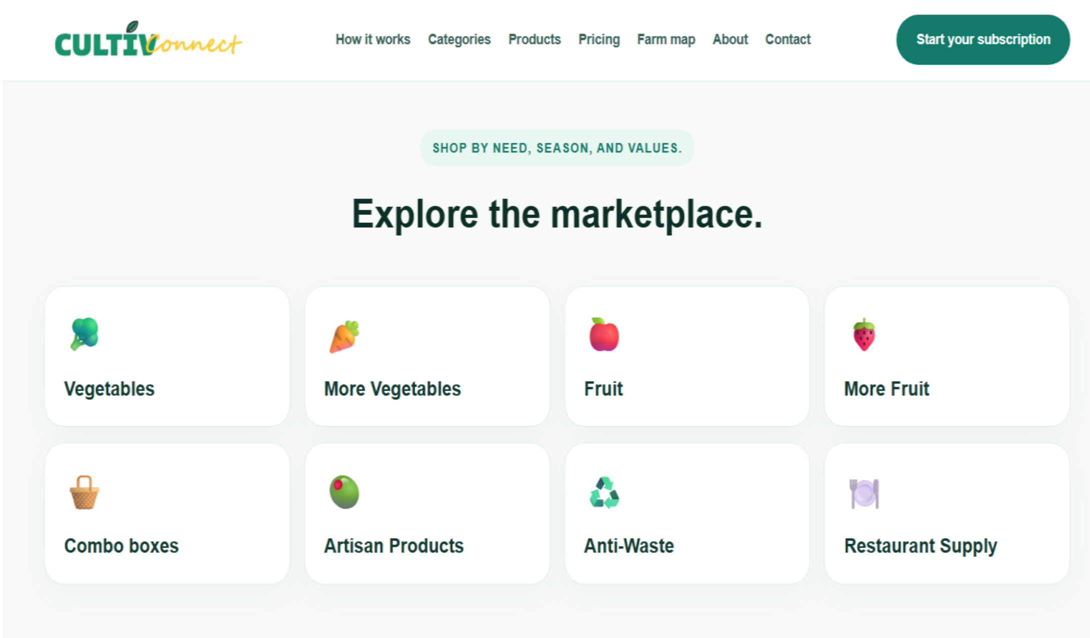

Figure 11: CultivConnect Website — Category Navigation

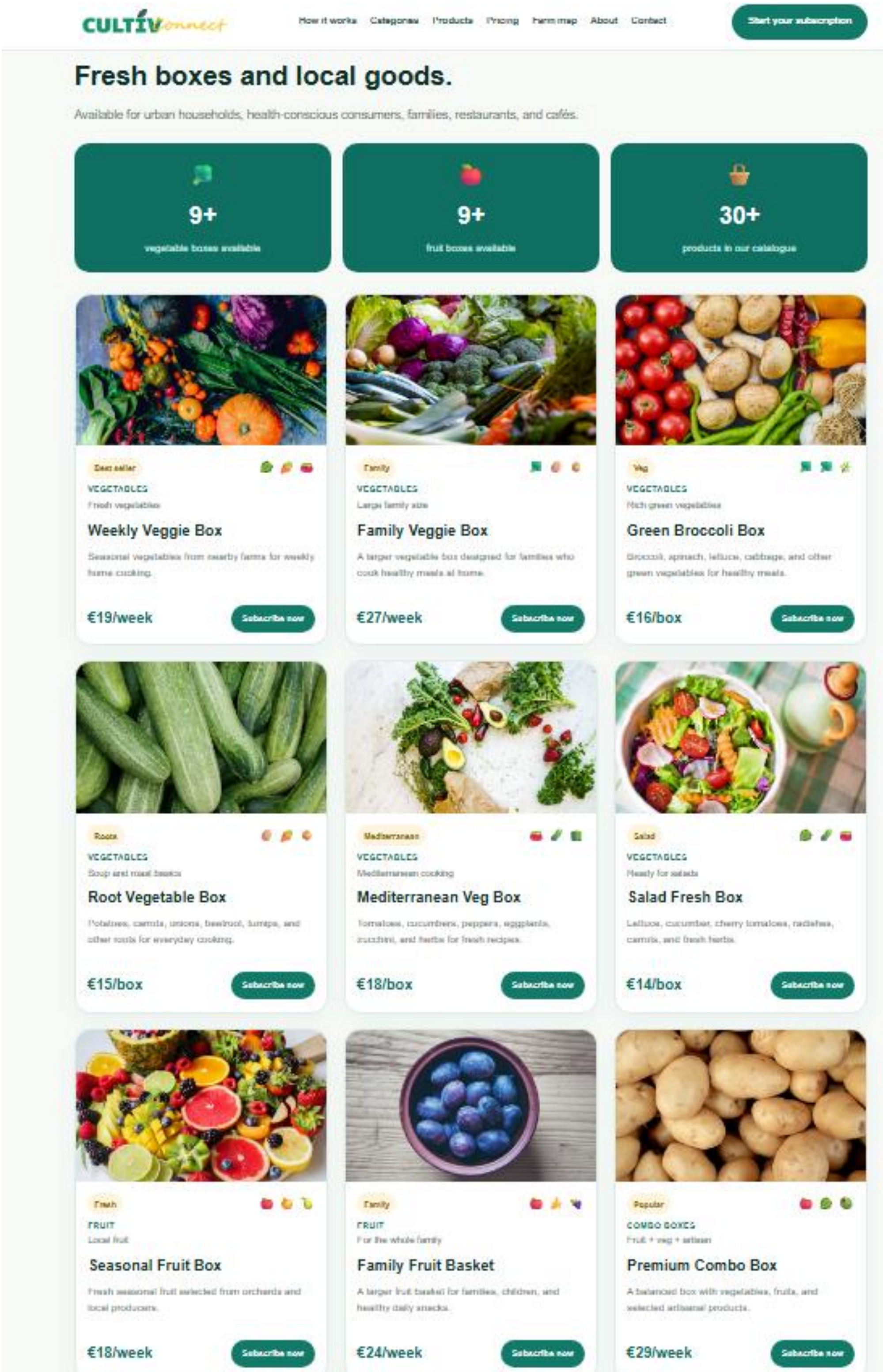

Figure 12: CultivConnect Website — Product Catalogue

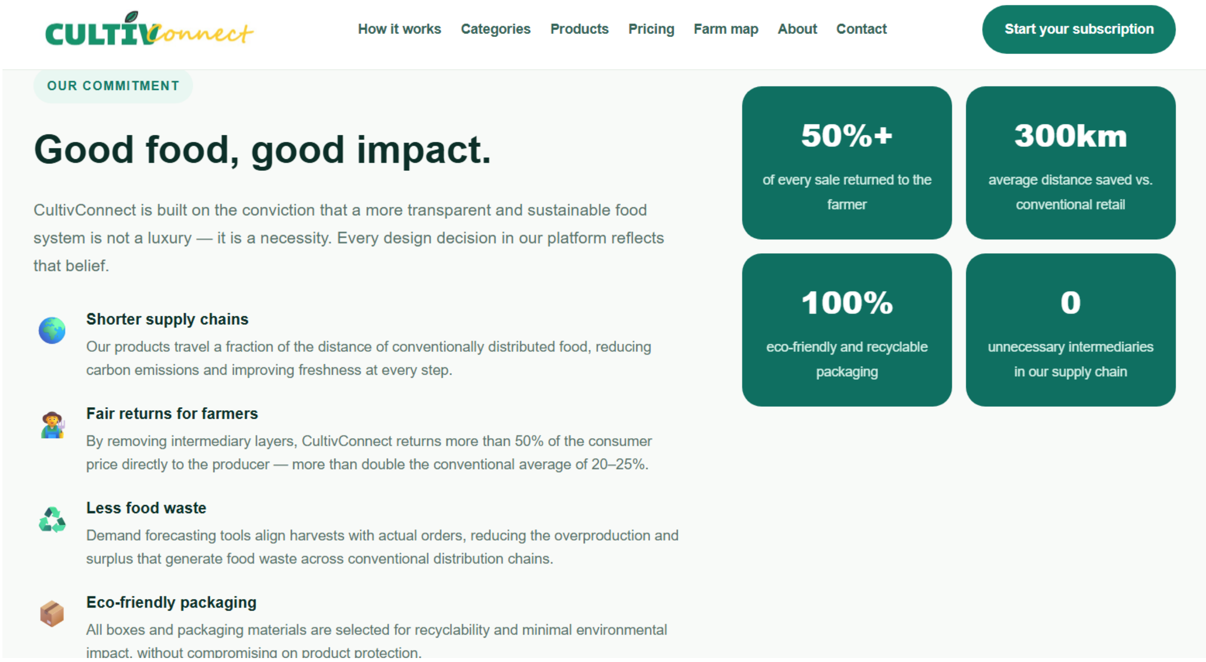

Figure 13: CultivConnect Website — Producer Network

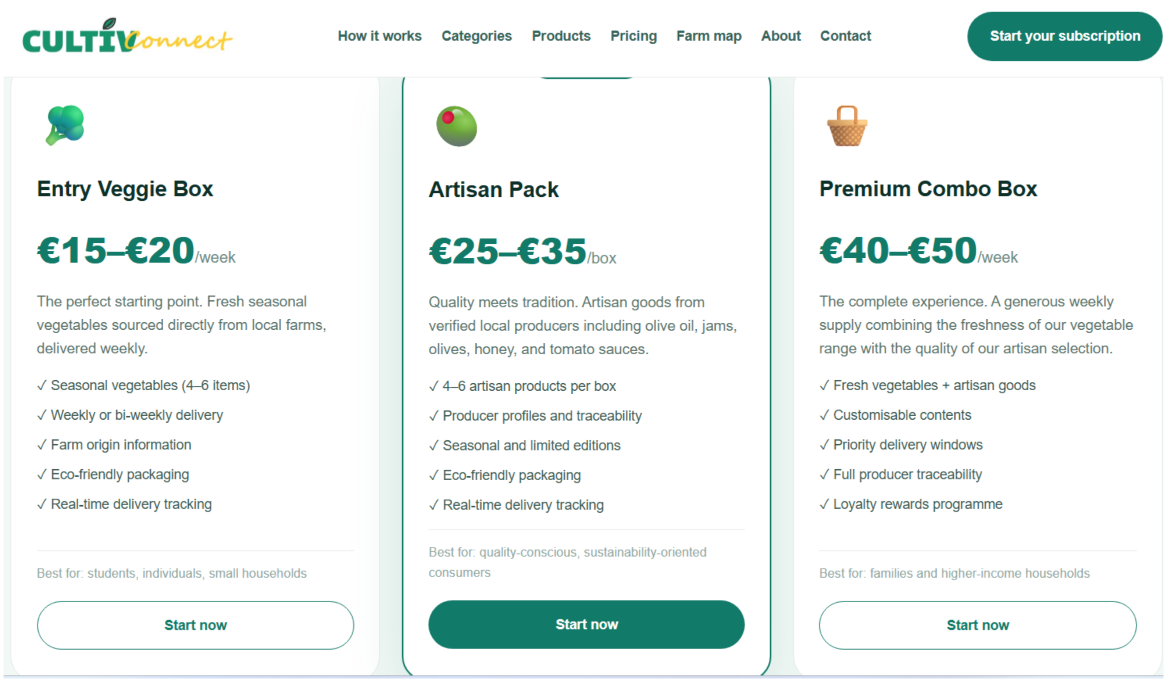

Figure 14: CultivConnect Website — Pack offers

2.5.2. Mobile Application

While the website serves as the primary discovery and information channel for new users, the mobile application constitutes the operational backbone of the ongoing customer relationship. For a subscription-based business whose commercial model depends on regular, recurring engagement, the mobile experience is the interface that most directly shapes customer satisfaction, retention, and lifetime value. A well-designed mobile application reduces the friction associated with every interaction in the customer journey, from browsing and ordering through to subscription management and delivery tracking, and creates the conditions for the habitual engagement that subscription businesses depend upon for their financial sustainability.

CultivConnect's mobile application is designed around four core functional areas, each addressing a distinct stage of the customer journey (Figures 15-16).

The discovery and ordering interface allows users to browse the full product catalogue, filter by category, view detailed product information including farm of origin and production method, and add items to their order with minimal navigational complexity. The interface is optimised for mobile use patterns, with touch-friendly controls, clear visual hierarchy, and a streamlined checkout process that minimises the number of steps between product discovery and confirmed purchase. Search and filtering functionality allows more experienced users to navigate directly to preferred products without browsing the full catalogue, reducing time-to-purchase for repeat customers.

The subscription management interface allows users to configure, pause, modify, or cancel their subscription plans entirely within the application, without the need to contact customer support. This self-service capability is both a convenience for the customer and a cost efficiency for the business, reducing the volume of administrative enquiries that the customer experience team must handle. Users can adjust the frequency of their deliveries, modify the contents of their standard box, upgrade or downgrade between pricing tiers, and manage payment details securely within the application. Notifications remind subscribers of upcoming deliveries and provide advance notice of any seasonal product changes or availability constraints.

The real-time delivery tracking interface provides customers with live visibility of their order's journey from the packaging facility to their door. This feature addresses one of the most common sources of friction and anxiety in home delivery services: the uncertainty about when exactly a delivery will arrive and whether it has been successfully fulfilled. By providing a real-time tracking interface with delivery window notifications and a post-delivery confirmation prompt, CultivConnect transforms the delivery moment from a potential source of dissatisfaction into an active demonstration of the platform's operational reliability and transparency commitments.

The producer storytelling and traceability interface allows customers to access detailed information about the specific farms and producers behind the products in their delivery. For each item in a box, the application provides a profile of the supplying farm, information about its production methods and certifications, and, where available, a visual record of the farm and its team. This feature directly addresses the growing consumer demand for food transparency documented throughout the market analysis and transforms the act of opening a delivery box from a purely transactional experience into a meaningful connection with the people and places behind the food. Over time, as the platform's data infrastructure develops, this feature will be enhanced with QR code-based product passports and, potentially, blockchain-verified provenance records, as described in Section 2.5.3.

The application is developed using React Native, enabling a single codebase to be deployed across both iOS and Android platforms, significantly reducing development costs and ensuring consistency of user experience across the two principal mobile operating systems. Progressive updates, delivered through the standard application store update mechanisms, allow new features and improvements to be deployed continuously without requiring users to complete a full reinstallation. All user data collected and processed through the application is managed in full compliance with the General Data Protection Regulation, with clear and accessible privacy settings built into the application's account management interface.

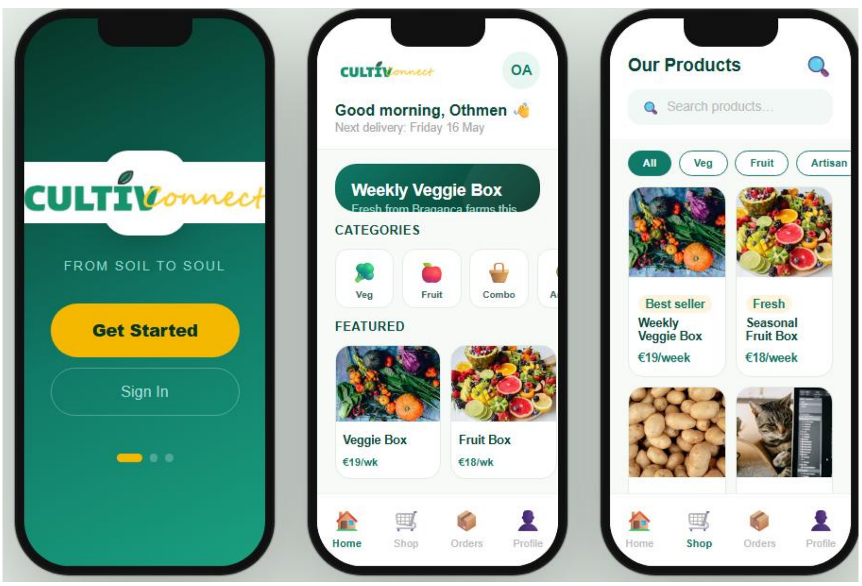

Figure 15: Splash screen with brand logo, tagline, and entry buttons

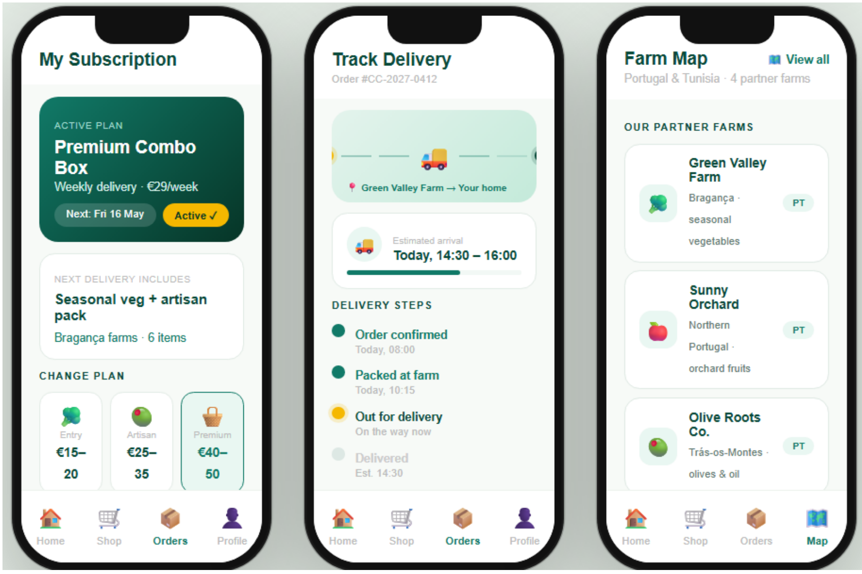

Figure 16: Subscription manager showing active plan, next delivery, and tier selection

2.5.3. Brand Identity, Logo, and Visual Communication

A brand is more than a logo: it is the accumulated sum of every impression that a business makes on the people who encounter it, from the visual design of its digital interface to the quality of the products that arrive at the customer's door and the tone of the messages it sends after each delivery. For CultivConnect, whose competitive position depends significantly on the trust and emotional engagement of its customer base, the coherence and authenticity of the brand is a commercial asset of genuine strategic importance.

Figure 17: CultivConnect logo

The CultivConnect logo (Figure 17) is the primary expression of the brand's visual identity and the element around which all other design decisions are organised. It is a wordmark composed of two distinct typographic elements and a botanical symbol, each chosen to communicate a specific dimension of the brand's proposition.

The name "CULTIV" is rendered in bold, uppercase sans-serif typography in the brand's primary deep green, a confident and grounded tone that communicates stability, reliability, and a direct connection to agricultural production and natural environments. The uppercase treatment reinforces the substantive, professional dimension of the brand: CultivConnect is a serious business with rigorous standards, not simply a lifestyle concept. Above the letter "V", a small dark leaf icon serves as the logo's central symbolic device. It anchors the brand explicitly in the world of cultivation and plant life, while its refined and minimal execution ensures that the mark reads with clarity across all digital and physical applications, from the mobile application icon to vehicle livery and packaging labels. The leaf's precise placement above the "V" creates a visual focal point that draws the eye naturally through the full wordmark, providing subtle compositional direction without imposing visual complexity.

The word "Connect" is rendered in a flowing, handwritten cursive script in warm golden yellow, creating a deliberate and meaningful contrast with the solidity of "CULTIV". This typographic shift carries specific communicational intent. Where the uppercase green communicates the rigour and reliability of the agricultural supply side of the platform, the cursive yellow expresses the warmth, accessibility, and human relationship that the concept of connection implies. The script register signals that CultivConnect is not a faceless logistics operation but a platform built on genuine relationships: between farmers and consumers, between the land and the table, and between the brand and the communities it serves. The golden tone further evokes sunshine, harvest abundance, and natural warmth, reinforcing the freshness and optimism of the brand's proposition with associations that are culturally universal and commercially positive.

The two-colour palette of deep green and golden yellow provides strong visual contrast and ensures excellent legibility across all contexts. The addition of a neutral dark grey for the leaf icon introduces a third tone that grounds the composition without competing with either of the primary colours. Taken together, the three elements of the logo, encompassing the green wordmark, the golden script, and the grey botanical symbol, construct a visual identity that is simultaneously professional and warm, grounded and aspirational, and immediately recognisable as belonging to the agri-food and sustainability sector without being generic within it.

Brand colour palette and typography

The brand's primary colour palette is built around three anchoring tones: deep forest green, warm golden yellow, and clean white, with dark charcoal used for body text and secondary elements. This palette is applied consistently across all brand touchpoints, from the website and mobile application to packaging materials, delivery vehicles, and marketing communications, creating a coherent and immediately recognisable visual environment that reinforces brand recognition at every point of contact.

Typography across the platform follows a clear and consistent hierarchy. Headlines are set in a bold sans-serif that complements the strong geometry of the "CULTIV" wordmark. Body text is set in a clean, highly legible typeface optimised for screen reading. The cursive script of the logo's "Connect" element is reserved exclusively for the logo itself and selected headline applications, ensuring that its warmth and distinctiveness are preserved rather than diluted through overuse.

Brand voice and communication tone

The visual identity is complemented by a verbal identity that is equally coherent and deliberately crafted. CultivConnect communicates in a tone that is warm, direct, and knowledgeable without being either corporate or folksy. The brand speaks with the confidence of expertise and the accessibility of genuine enthusiasm for its subject, whether that subject is the seasonal vegetable harvest from a partner farm in Bragança or the nutritional benefits of a particular artisan olive oil. This tone is applied consistently across the website, the mobile application, email communications, social media content, and all customer-facing documentation, ensuring that every interaction with the brand reinforces the same fundamental impression: that CultivConnect is a trustworthy, purposeful, and genuinely knowledgeable guide to local food.

Brand protection and trademark strategy

The CultivConnect brand name, logo, and associated visual identity are registered as trademarks in Portugal, with equivalent registrations pursued in Tunisia and other target markets as the expansion strategy advances. All digital assets, including domain names, social media handles, and application store listings, are secured across relevant platforms and jurisdictions to prevent imitation and to preserve the brand equity that marketing investment will generate over time. The brand's distinctive visual elements, particularly the combination of the "CULTIV" wordmark, the leaf symbol, and the "Connect" cursive script, constitute a protectable and commercially valuable intellectual property asset that will be defended proactively as the business grows.

2.5.4. Technology Stack and Development Approach

CultivConnect's digital platform is built on a technology foundation chosen for its performance, scalability, and alignment with modern development best practices. The website and consumer-facing interfaces are developed using React, one of the most widely adopted JavaScript frameworks for building interactive user interfaces, combined with the Vite build tool, which provides exceptionally fast development cycles and optimised production builds. This combination ensures that the platform delivers a high-performance user experience across all devices and connection speeds, a critical requirement for a consumer-facing service whose target audience includes users across a range of digital environments.

The mobile application is developed using React Native, enabling a shared codebase across iOS and Android platforms. This approach reduces development costs significantly compared to building separate native applications for each operating system, while delivering a user experience that meets the performance and design standards expected of mobile applications on both platforms. The shared codebase also simplifies the deployment of updates and new features, ensuring that improvements reach all users simultaneously regardless of their device preference.

The platform's backend infrastructure is designed for scalability, with a cloud-based architecture that can accommodate growing transaction volumes, expanding product catalogues, and increasing numbers of concurrent users without requiring fundamental technical restructuring. Data management, including customer profiles, subscription configurations, order histories, and delivery records, is handled through secure, GDPR-compliant systems with clearly defined data retention and access policies.

The development approach follows an agile methodology, with regular release cycles that bring improvements and new features to users continuously rather than in large and infrequent updates. User behaviour analytics, collected through privacy-compliant tracking tools, inform each development cycle, ensuring that technical investment is directed towards the improvements most likely to generate measurable improvements in user satisfaction and commercial performance. This evidence-driven approach to platform development reflects the lean startup principles described in the theoretical framework of Chapter 1, translating academic methodology into operational practice.

Conclusion

The digital platform, mobile application, and brand identity described in this chapter collectively represent one of CultivConnect's most significant and durable competitive assets. Unlike physical infrastructure or agricultural supply relationships, which can in principle be replicated by a well-resourced competitor, a coherent and trusted brand, a well-designed digital experience, and a growing base of engaged subscribers constitute a form of competitive advantage that deepens with time and use. Every positive customer interaction reinforces the brand; every delivery that meets or exceeds expectations strengthens loyalty; every piece of content that resonates with a potential subscriber extends the platform's reach without proportional cost. The digital ecosystem described in this chapter is not merely the mechanism through which CultivConnect sells food; it is the primary means through which the company builds the relationships, the reputation, and the data infrastructure that will sustain its competitive position as the market matures and competition intensifies.

2.6. Research & Development

Research and development occupies a central place in CultivConnect's long-term competitive strategy. For a business whose core proposition rests on the quality of its digital infrastructure, the reliability of its supply chain, and the relevance of its product offer, the capacity to innovate continuously is not an optional enhancement but a structural requirement. The R&D agenda encompasses three interconnected domains: the protection of intellectual assets, the ongoing development of products and services, and the broader programme of technological innovation that will sustain the company's competitive position as the market matures.

2.6.1. Intellectual Property, Patents and Brand Protection

The intellectual assets of CultivConnect are among its most strategically significant resources, and their systematic protection is a commercial priority from the earliest stages of the venture's development.

The CultivConnect brand name and visual identity will be registered as trademarks in Portugal at the outset of commercial operations, with equivalent registrations pursued in Tunisia and other target markets as the expansion strategy advances. Trademark protection is essential not only to prevent imitation by opportunistic competitors but to preserve the brand equity that marketing investment will accumulate over time. A brand that cannot be legally defended is a brand that cannot be built with confidence, and the company will treat trademark registration as a foundational legal obligation rather than a deferred administrative task.

The digital platform, encompassing its software architecture, user interface design, proprietary algorithms for demand forecasting and logistics optimisation, and the database structures that underpin its personalisation capabilities, will be protected through a combination of copyright law, contractual confidentiality provisions, and, where the technical criteria are satisfied, software patent applications. All platform development work will be conducted under employment or contractor agreements that assign intellectual property rights unambiguously to the company, preventing the fragmentation of ownership that can complicate both defensive and offensive intellectual property strategies in the future.

The company's domain names and digital presence across relevant platforms will be secured comprehensively at launch, covering primary and variant spellings in each operating market. As the business grows, periodic intellectual property audits will be conducted to identify new protectable assets and to ensure that existing protections remain current and enforceable across all jurisdictions in which the company operates. These audits will be treated not as a compliance exercise but as a strategic tool for identifying gaps in the company's defensive architecture before competitors can exploit them.

2.6.2. Product and Service Development

Product and service development at CultivConnect is conceived as a continuous and evidence-driven process rather than a sequence of discrete launch events. The initial product range, comprising three tiers of food boxes differentiated by price point and content, represents a commercially viable starting point rather than a finished state, and the company's development agenda anticipates a progressive expansion and refinement of the offer in response to customer feedback, seasonal availability, and the deepening of farmer partnerships.

In terms of product development, the near-term priorities include the broadening of the artisan product range as new producer relationships are established, the introduction of certified organic options for customers who specifically seek them, and the development of seasonal and limited-edition collections tied to agricultural calendars and cultural occasions. Each addition will be evaluated against clear criteria of supply reliability, margin contribution, and alignment with the brand's quality and sustainability standards before being introduced to the platform.

On the service development side, the focus is on improving every stage of the customer journey with measurable impact on satisfaction and retention. The ordering and subscription management interface will be refined iteratively on the basis of user behaviour analytics, with particular attention to reducing the steps required to complete common actions and improving the clarity of product information. The delivery experience, which represents the most tangible point of contact between the platform and its customers, will be enhanced through more precise delivery window communication, improved tracking functionality, and a structured process for collecting and acting on post-delivery feedback.

Over time, the introduction of artificial intelligence-driven recommendation engines will allow the platform to surface products that are genuinely relevant to each individual customer, moving the service progressively from a generic subscription model towards a personalised food experience. Looking further ahead, the company intends to develop complementary service layers, including nutritional guidance tools, recipe content linked to the seasonal product range, and producer storytelling features that deepen the emotional connection between customers and the farms from which their food originates. These additions serve a clear commercial objective: increasing the depth of customer engagement with the platform and, by extension, strengthening long-term subscriber retention.

2.6.3. Agricultural Technology Integration

An area of R&D that holds considerable strategic potential for CultivConnect, and one that distinguishes the most sophisticated platforms in the agri-food sector from their less developed counterparts, is the integration of agricultural technology, commonly referred to as AgTech, into the company's operational and supply chain management framework.

In practical terms, this means exploring the deployment of digital tools that extend the platform's intelligence beyond its consumer-facing interface and into the farms themselves. Sensor-based monitoring systems, for example, can provide real-time data on crop growth conditions, soil quality, and anticipated harvest volumes, allowing the platform's demand forecasting algorithms to be calibrated against actual production capacity rather than historical averages alone. This integration would substantially improve the accuracy of supply-demand matching, reduce the risk of stock shortfalls or surplus, and enable the company to communicate more reliably with customers about product availability.

Similarly, the adoption of Internet of Things technology within the logistics chain, including temperature monitoring during transit and automated delivery verification, would strengthen the quality assurance framework and provide the kind of granular supply chain data that supports both operational improvement and consumer-facing transparency claims. Over time, as the farmer network grows and the volume of supply chain data increases, the company's investment in AgTech integration is expected to generate compounding returns in the form of improved efficiency, reduced waste, and stronger producer relationships.

2.6.4. Environmental Impact Measurement and Reporting

As sustainability moves from a voluntary differentiator to a regulatory and commercial expectation across the European food sector, the ability to measure, report, and credibly communicate the environmental impact of the business will become an increasingly important capability. CultivConnect's current sustainability credentials, including shorter supply chains, reduced food miles, and eco-friendly packaging, are genuine and structurally grounded; but without a robust measurement framework, their value as a communication and competitive asset is limited.

The company therefore intends to develop, as part of its R&D programme, a systematic environmental impact measurement methodology covering the key dimensions of its operations: carbon emissions per delivery, food waste volumes and diversion rates, packaging material usage and recyclability rates, and the aggregate reduction in supply chain length relative to conventional retail benchmarks. This data will be used both for internal operational improvement, identifying where environmental performance can be strengthened, and for external reporting, providing customers, investors, and regulatory bodies with transparent and verifiable evidence of the company's environmental contribution.

In the medium term, the company will evaluate alignment with recognised environmental reporting frameworks, including the Global Reporting Initiative and the EU's Corporate Sustainability Reporting Directive, to ensure that its disclosures meet the standards increasingly expected of responsible businesses operating in European markets. This investment in environmental measurement and transparency is not merely a compliance exercise; it is a commercial asset that reinforces the brand's authenticity, supports premium pricing, and positions the company favourably in the eyes of the growing segment of consumers, investors, and institutional partners for whom verified sustainability credentials are a meaningful differentiating factor.

Conclusion

The research and development programme outlined in this section reflects a clear strategic conviction: that CultivConnect's long-term competitiveness depends not on the strength of its initial offer alone, but on its capacity to learn, adapt, and improve continuously across every dimension of its business. From the protection of its intellectual assets and the progressive enrichment of its product range, through to the development of its technological infrastructure, its agricultural partnerships, and its environmental reporting capabilities, the R&D agenda is designed to ensure that the platform becomes more valuable, more distinctive, and more defensible with each passing year of operation. Innovation, in this context, is not a department or a budget line; it is a governing principle embedded in the way CultivConnect approaches every aspect of what it does and how it grows.

2.7. Staffing and operations

The human and operational infrastructure behind CultivConnect is as strategically important as the digital platform itself. A compelling product offer and a well-designed technology stack can only deliver consistent value if the people and processes supporting them are organised with clarity, equipped with the right capabilities, and aligned with the company's core values. This section describes the management structure, staffing philosophy, training approach, and operational model that will enable CultivConnect to fulfil its promise to farmers, customers, and the communities it serves.

2.7.1 Management Structure

Given the financial realities of an early-stage venture, CultivConnect's initial management structure is deliberately lean and flat, prioritising operational agility and clear accountability over hierarchical depth. In the early years, the ability to make decisions quickly, to adapt rapidly to market feedback, and to maintain cultural coherence across a small team is more commercially valuable than the kind of layered management architecture appropriate for a mature organisation.

At the centre of the structure sits the Founder and Chief Executive Officer, Othmen Aridhi, who holds overall responsibility for the company's strategic direction, external partnerships, and commercial performance. Four core functional leads report directly to the CEO, each owning one of the business's critical operational domains:

The **Head of Technology and Platform** oversees the development and maintenance of the digital infrastructure, including the mobile application, website, data systems, and demand forecasting tools. The **Head of Operations and Logistics** manages the end-to-end supply chain, from farmer procurement through to last-mile delivery, including all third-party logistics relationships. The **Head of Farmer Relations and Product** maintains and expands the network of agricultural producer partnerships, oversees product quality standards, and leads the development of new product lines. The **Head of Marketing, Sales and Customer Experience** manages brand communications, digital marketing, subscriber acquisition, and the quality of the ongoing customer relationship.

This structure will evolve as the business scales. As revenue grows, dedicated roles in finance, data analytics, and B2B sales will be added. At the point of international expansion into Tunisia, a country-level management function will be established to ensure that local market knowledge is properly represented at the operational level. The guiding principle throughout this evolution is that organisational structure should serve the business and its customers, not constrain them.

2.7.2. Staffing Philosophy and Key Roles

CultivConnect's approach to staffing is shaped by one central conviction: the right people, in the right roles, with genuine alignment to the company's values, will consistently outperform a larger team assembled on the basis of availability or cost alone. For a business whose competitive position depends on the quality of its farmer relationships, the authenticity of its brand, and the reliability of its customer experience, cultural fit is not a secondary hiring criterion but a primary one.

At launch, the core team will comprise six to eight full-time equivalent roles. In addition to the CEO, these will include a platform developer or small contracted development team responsible for the technical infrastructure; a logistics and operations coordinator managing sourcing, packaging, and delivery scheduling; a marketing and content specialist handling social media, digital campaigns, and brand communications; and a customer experience representative managing subscriber communications, feedback, and satisfaction monitoring.

A deliberate distinction is maintained between functions where internal ownership is essential and those where external expertise can be engaged without meaningful loss of quality or alignment. Farmer relationship management, customer experience, and brand stewardship require deep contextual knowledge, consistent values, and institutional continuity; these will be managed by permanent internal staff from the outset. Software development beyond the founding team's capacity, legal and accounting services, and certain logistics functions will be managed through carefully selected external partnerships, reviewed periodically as operational scale increases.

As the business matures, the team will expand to include a data analyst, a dedicated B2B sales representative for the restaurant and corporate channel, and additional operations staff capable of managing the increased complexity of a growing delivery network. Senior leadership in finance and human resources will be recruited when the scale of the business genuinely requires dedicated expertise in those domains, rather than in anticipation of a need that has not yet materialised.

2.7.3. Training and Development

The consistency of the experience that CultivConnect delivers to its farmers and customers depends directly on the knowledge, capability, and values of its team. Training is therefore treated not as an onboarding formality but as a continuous and strategically important investment in the company's most critical asset.

Every new team member completes a structured induction programme covering the company's mission, brand values, product range, farmer network, and customer journey in depth. The objective is to ensure that every person who represents CultivConnect, regardless of their functional role, understands what the company stands for and can communicate that understanding credibly and consistently.

Beyond the universal induction, each functional area has a tailored development curriculum. Operations and logistics staff receive specific training in food safety and hygiene standards, cold chain management, and the use of the platform's delivery optimisation tools, reflecting the non-negotiable importance of product integrity throughout the supply chain. Customer experience staff are trained in the company's communication standards, complaint resolution protocols, and the empathetic, values-aligned tone of voice that defines CultivConnect's customer relationships. Farmer relations staff receive training in agricultural production cycles, quality assessment criteria, and the principles of long-term partnership management that distinguish CultivConnect's producer relationships from transactional procurement.

Ongoing development is embedded in the operational calendar. Each team member is expected to complete at least two structured development activities annually, which may include external training, industry events, online learning, or internal knowledge-sharing sessions. As the company expands internationally, cross-cultural awareness and market-specific knowledge will be incorporated into the development programme for staff with responsibilities in new geographies.

2.7.4. Operational Model

CultivConnect's operations are organised around a circular and continuously improving flow: forecast, source, assemble, deliver, and learn. Each stage feeds information back into the previous one, creating an operational system that becomes more efficient, more reliable, and more responsive with each cycle.

The process begins with **demand forecasting**, in which the platform's analytics systems generate weekly projections of product demand by category, tier, and geographic area. These forecasts are shared with farmer partners in advance, enabling them to harvest and prepare quantities aligned with actual customer orders rather than speculative estimates. As the platform's data set grows, the accuracy of these forecasts will improve, reducing both the risk of product shortfall and the waste associated with over-supply.

Farmer sourcing and procurement follows from the forecast. Partner farmers deliver products to a central packaging facility according to an agreed schedule, with each delivery subject to an initial quality check on arrival. Products that do not meet the company's freshness, appearance, or safety standards are not accepted into inventory, ensuring that quality control begins at the point of supply rather than at the point of customer complaint.

Product assembly and packaging takes place at the central facility, where individual customer orders are assembled according to the subscription configurations and preferences recorded on the platform. Orders are packaged in eco-friendly and recyclable materials, labelled with producer origin information that supports the traceability proposition, and prepared for dispatch within the shortest possible time after farmer delivery, preserving the freshness that is central to the product's value.

Last-mile delivery is managed through a hybrid model combining the company's own delivery capacity, developed progressively as volume grows, with contracted third-party carriers for geographic areas or order volumes that owned capacity cannot efficiently serve. Delivery routes are optimised using dedicated software to reduce cost, time, and carbon emissions per order. Customers receive advance notification of their delivery window and real-time tracking through the platform. Delivery performance is monitored weekly against key metrics including on-time rate, product condition on arrival, and post-delivery customer satisfaction scores.

The final stage of the operational cycle is **learning and improvement**: the systematic collection and analysis of data generated at every preceding stage. Customer feedback, delivery performance metrics, product quality assessments, farmer supply data, and platform behaviour analytics are reviewed regularly by the management team and used to drive targeted improvements across the operation. This continuous feedback loop is what transforms a well-designed operational model into one that genuinely improves over time, compounding the company's operational advantage with each successive cycle.

2.8. Risk Analysis and Mitigation

Every business venture operates within an environment of uncertainty, and the credibility of a business plan is measured in part by the rigour with which it acknowledges and addresses that uncertainty. For CultivConnect, the principal risks fall into four categories: operational, financial, market, and regulatory. Each is examined below, alongside the concrete mitigation strategies that the company has developed in response.

Operational Risks

The most immediate operational risk facing CultivConnect is supply disruption: the failure of one or more farmer partners to deliver the volumes and quality of product required to fulfil customer orders on schedule. Small-scale agricultural production is inherently vulnerable to adverse weather conditions, seasonal variation, pest damage, and individual farmer capacity constraints, any of which can produce sudden and significant shortfalls in supply. A single disruption of this kind, if poorly managed, can damage customer trust in ways that are disproportionate to the operational cause.

The primary mitigation for this risk is supply diversification. Rather than relying on a small number of producers for each product category, CultivConnect will build a network of multiple farmer partners capable of supplying equivalent products, ensuring that the failure of any single source can be absorbed without customer-facing impact. Secondary supplier relationships will be maintained in a state of readiness even during periods when primary suppliers are performing reliably, so that the transition in the event of disruption is seamless rather than improvised. In parallel, demand forecasting tools will be used to provide farmers with advance notice of expected volumes, reducing the risk of mismatches between planned supply and actual customer demand.

Logistics failure represents a second operational risk of significance. Delays, vehicle breakdowns, third-party carrier failures, or address and routing errors can result in late or missed deliveries that directly damage the customer experience. In a subscription model, where customers have developed expectations of reliability, a single poor delivery experience can accelerate the decision to cancel. The mitigation strategy combines redundancy, monitoring, and responsiveness: maintaining relationships with multiple logistics providers so that capacity constraints or failures at one can be covered by another, deploying real-time delivery tracking to identify problems early enough to intervene, and establishing a clear and empowered customer service protocol for resolving delivery failures rapidly and generously when they occur.

A third operational risk relates to food safety. Fresh, locally sourced food products carry inherent hygiene and contamination risks that must be managed at every stage of the supply chain, from farm to packaging facility to the customer's door. A food safety incident, even a minor one, could generate reputational damage significantly disproportionate to its operational scale. The mitigation strategy encompasses rigorous supplier qualification processes, mandatory compliance with Portuguese and EU food safety standards across all handling and packaging operations, regular internal audits of hygiene protocols, and a clearly documented incident response procedure that enables the company to act decisively and transparently in the event of a food safety concern.

Financial Risks

The most consequential financial risk for CultivConnect in its early stages is slower-than-projected subscriber growth. The financial projections developed in Section 2.7 rest on assumptions about acquisition rates that have not yet been validated against real market behaviour. If customer acquisition proves more costly or more time-consuming than anticipated, the company could find itself consuming its initial capital faster than its revenue base is growing, creating cash flow pressure that constrains operational investment at precisely the moment when it is most needed.

The mitigation strategy operates on two levels. On the revenue side, the company will maintain a close and continuous focus on the key acquisition metrics identified in the sales strategy, responding rapidly to underperformance by reallocating marketing resources towards the channels and messages demonstrating the strongest conversion rates. The referral programme and community-based marketing activities, which carry a lower cost per acquisition than paid digital advertising, will be prioritised during the early months when the financial cost of acquisition is most sensitive. On the cost side, the company's lean organisational structure and selective approach to outsourcing are designed to keep fixed costs low during the period of greatest revenue uncertainty, preserving flexibility and extending the runway available to reach financial sustainability.

A second financial risk is margin erosion driven by rising logistics costs, particularly in the context of fuel price volatility and the potential for third-party carrier rate increases as demand for urban last-mile delivery capacity grows. The mitigation strategy involves route optimisation to maximise delivery efficiency, the progressive development of owned delivery capacity as volume justifies the investment, and the introduction of delivery fee structures for non-subscribed customers that ensure logistics costs are appropriately recovered without alienating the core subscriber base.

Market Risks

The most significant market risk facing CultivConnect is competitive response from incumbent players. If the platform demonstrates early commercial success, larger retail chains or well-funded digital competitors may seek to replicate elements of its model, whether through the development of their own local sourcing initiatives, the acquisition of comparable platforms, or aggressive promotional activity designed to retain customers who might otherwise be attracted to CultivConnect's offer. The company's mitigation strategy rests on building the elements of its competitive position that are most difficult to replicate quickly: the depth of its farmer relationships, the quality of its brand reputation, and the personalisation capabilities of its digital platform. These assets compound over time in ways that a new or reactive entrant cannot shortcut, making early investment in them a form of competitive insurance as well as a source of immediate commercial value.

Consumer price sensitivity represents a second market risk, particularly in the context of macroeconomic uncertainty or renewed inflationary pressure. If a significant proportion of the target consumer base concludes that the price premium associated with CultivConnect's offer is no longer justified relative to conventional retail alternatives, subscriber retention could deteriorate rapidly. The mitigation strategy is twofold: the three-tier pricing structure ensures that the entry-level product remains accessible even to price-sensitive consumers, providing a lower-cost option for subscribers who might otherwise cancel entirely; and the continuous investment in product quality, service reliability, and platform personalisation ensures that the value delivered is always clearly proportionate to the price charged.

Regulatory Risks

CultivConnect operates in a regulatory environment that is both complex and evolving. Food safety legislation, labelling requirements, data privacy regulation, and employment law all impose obligations that must be met consistently and comprehensively. Non-compliance, whether inadvertent or otherwise, carries the risk of financial penalties, operational disruption, and reputational damage that could be severe for a young brand whose credibility is one of its most important commercial assets.

The mitigation strategy begins with the engagement of qualified legal and regulatory advisers at the outset of operations, ensuring that the company's processes and documentation are designed for compliance from the start rather than retrofitted in response to regulatory pressure. A dedicated compliance calendar will be maintained, tracking the renewal dates of all relevant certifications, the implementation timelines for forthcoming regulatory changes, and the audit schedules that ensure ongoing adherence to applicable standards. As the company expands into Tunisia, a market with its own distinct regulatory framework, local legal expertise will be engaged before market entry to ensure that the business model is adapted appropriately to the requirements of the new jurisdiction.

Data privacy deserves particular mention. As a platform that collects and processes detailed consumer behaviour data, CultivConnect is subject to the General Data Protection Regulation and must maintain the highest standards of data governance. Privacy by design will be built into the platform's architecture from the outset, and the company's data handling policies will be communicated to users in clear and accessible terms, building the trust that responsible data stewardship generates and that careless handling irrevocably destroys.

2.9. Implementation Roadmap and Timeline

The translation of a business plan from document to operating reality is rarely linear, and the credibility of the plan is significantly strengthened by a clear and honest account of how that translation will be managed. The implementation roadmap presented below organises the development of CultivConnect across three distinct phases, each with its own objectives, priorities, and measurable milestones (Table 6). The phases are sequential but not rigidly fixed: the transition from one to the next will be triggered by the achievement of defined commercial and operational thresholds rather than by the passage of time alone.

Phase 1: Foundation and Launch (2027 — Mid 2028)

The first phase encompasses all of the preparatory and launch activity required to bring CultivConnect to market as a credible, legally compliant, and operationally ready business. It is the most resourceintensive period relative to revenue generated, and its successful execution is the precondition for everything that follows.

The principal activities of this phase include the legal incorporation of the company and the registration of the CultivConnect trademark in Portugal; the completion of the platform's minimum viable product, encompassing the mobile application and website with full ordering, subscription management, payment processing, and delivery tracking functionality; the identification, qualification, and onboarding of the initial network of farmer partners in the Lisbon and Porto regions; the establishment of the central packaging facility and the logistics partnerships required to support initial delivery operations; and the recruitment and onboarding of the core team.

The marketing and sales effort during this phase focuses on building initial brand awareness among the target early-adopter segments and generating the first wave of subscriber sign-ups through a combination of digital advertising, influencer partnerships, and a compelling introductory offer. The financial projections for this phase reflect an estimated turnover of approximately **€227,900**, confirming that even in its first full year of operation, the business model is capable of generating meaningful revenue. The milestone that signals the successful completion of Phase 1 is the achievement of **500 active subscribers** generating consistent weekly orders, a threshold that validates the core value proposition and provides the operational data needed to refine the model before scaling.

Phase 2: Growth and Consolidation (Mid 2028 — End 2030)

The second phase is defined by the systematic scaling of what has been validated in Phase 1. With the core model proven and the operational infrastructure established, the focus shifts to expanding the subscriber base, deepening the farmer network, broadening the product range, and improving the efficiency of every operational process.

On the commercial side, the objectives of this phase include growing the active subscriber base from 500 to between **3,000 and 5,000**, extending the platform's geographic reach beyond Lisbon and Porto to include mid-sized Portuguese cities such as Braga, Coimbra, and Setúbal, and launching the B2B sales channel targeting restaurants, corporate canteens, and food cooperatives. The product range will be expanded to include a broader artisan selection, certified organic options, and the first seasonal limited-edition collections.

On the operational side, the phase involves the progressive development of owned delivery capacity to reduce dependence on third-party carriers, the introduction of advanced demand forecasting algorithms as the platform's data set reaches sufficient scale to support them, and the launch of the AI-driven personalisation engine that will progressively tailor the subscriber experience to individual preferences. The financial milestone for Phase 2 is the achievement of positive net results and an **annual turnover**

exceeding €300,000, confirming the business model's financial sustainability before resources are committed to international expansion.

The technology development agenda during this phase will also include the deployment of QR code-based product traceability across the full product range and the initiation of the environmental impact measurement framework described in Section 2.5.6, generating the verified sustainability data that will support both brand communications and regulatory compliance in the years ahead.

Phase 3: Expansion and Internationalisation (2031 — 2032 and beyond)

The third phase takes CultivConnect beyond its initial Portuguese market and into the international expansion that represents the company's long-term strategic ambition. Tunisia is the primary target market for this phase, selected on the basis of the structural similarities in agricultural profile and urbanisation dynamics that make the business model directly transferable with limited adaptation.

The preparatory activities for the Tunisian market entry will begin during the latter stages of Phase 2, encompassing regulatory due diligence, the identification of local farmer networks, the establishment of local legal and logistics partnerships, and the cultural and linguistic adaptation of the platform and brand communications. Market entry will be preceded by a minimum of six months of in-market preparation, ensuring that the launch is operationally ready rather than premature.

The Tunisian operation will initially replicate the Phase 1 model from the Portuguese experience, targeting a defined urban area, most likely Tunis, with a minimum viable product and a modest initial subscriber acquisition target. The institutional knowledge, technology infrastructure, and operational processes developed in Portugal will be directly applied, substantially reducing the time and capital required to reach initial viability in the new market relative to the Portuguese launch.

Table 6: key milestones across all three phases

Phase	**Period**	**Key Milestone**
Phase 1: Launch	2027 — Mid 2028	500 active subscribers; platform live; farmer network established; turnover ~€227,900
Phase 2: Growth	Mid 2028 — End 2030	3,000–5,000 subscribers; turnover exceeding €300,000; B2B channel live
Phase 3: Expansion	2031 — 2032 and beyond	Tunisian market entry; turnover reaching €611,857; brand established

On the Portuguese side, Phase 3 continues the growth trajectory established in Phase 2, with revenue projected to reach approximately **€611,857 by 2032**, and the brand established as a recognised and trusted name in the Portuguese sustainable food market. By the end of this phase, CultivConnect will have demonstrated not only that its model works in a single market but that it is genuinely transferable, scalable, and capable of generating lasting social, environmental, and commercial value.

3. Financial plan

The financial plan presented in this section translates the strategic and operational ambitions of CultivConnect into a rigorous and evidence-based economic model. Developed over a six-year planning horizon from 2027 to 2032, it encompasses the key assumptions underlying the projections, a provisional income statement, a balance sheet, a cash flow analysis, and a financial evaluation covering the principal investment appraisal metrics. Together, these elements confirm the economic viability of the project and the credibility of its growth trajectory.

3.1. Assumptions

The financial projections rest on a clearly defined set of assumptions, which should be read alongside the figures to understand both their basis and their limitations.

On the revenue side, CultivConnect is classified under two Portuguese economic activity codes: CAE 47910, covering retail sale via mail order or the internet, and CAE 47210, covering retail sale of fruit and vegetables in specialised stores (INE, 2023). Sales volumes are projected to grow at a rate of 20% per year across all product categories, reflecting a conservative but achievable subscriber acquisition trajectory consistent with the lean startup principle of phased and validated market entry (Ries, 2011), and benchmarked against the 15.02% compound annual growth rate recorded for Portuguese food and beverages e-commerce through 2030 (Mordor Intelligence, 2026). Unit prices are indexed to an annual inflation rate of 2.3%, aligned with the Banco de Portugal (2026) projection of 2.3% for 2027 and stabilising at 2.0% in 2028. The cost of goods sold and materials consumed is maintained at a stable gross margin of 55.8% of net sales throughout the projection period, reflecting the fixed structure of direct sourcing relationships with farmer partners and consistent with margin benchmarks observed in comparable direct-to-consumer food platforms (Tzuo & Weisert, 2018).

On the cost side, external services and supply costs are projected to grow at 2.3% annually, aligned with the inflation assumption (Banco de Portugal, 2026). Personnel costs reflect a team of two full-time equivalent staff members during 2027 and 2028, expanding to three from 2029 onwards, with the addition of a supply and procurement coordinator. Salaries are set at €2,000 per month for the Chief Executive Officer and €920 per month for operational staff, consistent with the Portuguese national minimum wage of €920 established under Decree-Law no. 139/2025 from 1 January 2026, with planned increases to €970 in 2027 and €1,020 in 2028 already factored into the relevant projection years (Garrigues, 2026; Boundless HQ, 2026).

The initial investment of €48,500 is allocated entirely to tangible fixed assets in 2027, comprising basic equipment at €13,000, transportation equipment at €32,500, administrative equipment at €2,000, and biological equipment at €1,000. Depreciation rates follow the Portuguese legal amortisation table under Decree Regulatory no. 25/2009: 12.5% for basic equipment, 25% for transportation and administrative equipment, and 20% for biological equipment, resulting in annual depreciation charges of €10,450 during the first four years, declining to €1,825 in 2031 and €1,625 in 2032 as assets become fully depreciated.

Financing is structured across two sources: equity capital of €12,563.50 and a bank loan of €37,690.50 at an interest rate of 4% per annum, repayable over five years with annual repayments of €7,538.10 beginning in 2028. The corporate income tax rate follows the progressive reduction confirmed by Law no. 64/2025: 19% in 2026, 18% in 2027, and 17% from 2028 onwards, with a reduced rate of 15% on the first €50,000 of taxable profit for qualifying SMEs (PwC, 2026; Auxadi, 2025). A conservative rate of 19% has been applied across the full planning period. Working capital assumptions are based on an average customer payment period of three days, an average supplier payment period of fifteen days, and an average stock rotation period of fifteen days, consistent with standard financial management practice for early-stage subscription businesses (Brigham & Ehrhardt, 2020).

3.2. Income Statements

The provisional income statement demonstrates a revenue trajectory of strong and sustained growth over the six-year planning horizon, supported by controlled cost structures and progressive improvement in operating profitability (Table 7).

The income statement reveals several commercially significant patterns. In 2027, the first full year of operation, the company generates a net result that is marginally negative at **-€218**, reflecting the weight of initial depreciation charges and interest costs against a revenue base that, while meaningful, has not yet reached the scale required to absorb all fixed costs with a positive margin. This result is not indicative of structural unviability; on the contrary, the EBITDA for 2027 is already positive at **€11,800**, confirming that the underlying business operations generate a genuine cash surplus from the first year.

From 2028 onwards, the improvement in net profitability is substantial and accelerating. The net result grows from **€15,948 in 2028** to **€22,534 in 2029**, **€46,894 in 2030**, **€83,538 in 2031**, and **€120,009 in 2032**. This trajectory reflects the compounding effect of subscriber growth at 20% per annum, stable gross margins enabled by direct farmer partnerships, and a cost base that grows more slowly than revenue as fixed costs are spread over an expanding volume. The addition of a third staff member in

2029, which increases personnel costs by approximately €16,600 per year, is comfortably absorbed within the revenue growth of that year without any adverse impact on profitability.

Table 7: Provisional Income Statement (€)

Item	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**
Sales and Services	215,000	261,906	319,073	388,751	473,685	577,223
Cost of Goods Sold (COGS)	119,970	146,144	178,043	216,923	264,316	322,091
External Services (FSE)	30,201	30,835	31,483	32,144	32,819	33,508
Personnel Costs	53,029	53,029	69,675	69,675	69,675	69,675
EBITDA	**11,800**	**31,898**	**39,872**	**70,009**	**106,874**	**151,949**
Depreciation and Amortisation	10,450	10,450	10,450	10,450	1,825	1,625
EBIT (Operating Result)	**1,350**	**21,448**	**29,422**	**59,559**	**105,049**	**150,324**
Interest and Financial Costs	1,568	1,568	1,254	941	627	314
Result Before Tax	**-218**	**19,881**	**28,168**	**58,618**	**104,422**	**150,011**
Corporate Income Tax (20%)	0	3,933	5,634	11,724	20,884	30,002
Net Result	**-218**	**15,948**	**22,534**	**46,894**	**83,538**	**120,009**

The growth rate of total turnover remains remarkably consistent across the planning horizon at approximately **21.8% per year**, confirming the stability and predictability of the subscriber-based revenue model. By 2032, total sales excluding VAT reach **€577,223**, and total turnover including VAT reaches **€611,857**, meeting and slightly exceeding the financial objectives established in Section 2.2.5.

3.3 Balance Sheets

The provisional balance sheet tracks the evolution of CultivConnect's financial position across the planning horizon, demonstrating a progressive and substantial strengthening of the company's equity base and overall financial health (Table 8).

Table 8: Provisional Balance Sheet (€)

Item	**2027**	**2028**	**2029**	**2030**	**2031**
Non-Current Assets	38,050	27,600	17,150	6,700	4,875
Tangible Fixed Assets	38,050	27,600	17,150	6,700	4,875
Current Assets	18,713	43,089	72,454	130,526	220,165
Inventories	4,999	6,089	7,418	9,038	11,013
Clients (Receivables)	1,899	2,314	2,818	3,434	4,184
Cash and Bank Deposits	10,733	34,686	62,217	118,054	204,967
TOTAL ASSETS	**56,763**	**70,689**	**89,604**	**137,226**	**225,040**
Equity Capital	12,346	28,294	50,828	97,722	181,260
Paid-up Capital	12,564	12,564	12,564	12,564	12,564
Reserves	0	-218	15,730	38,265	85,159
Net Result for the Period	-218	15,948	22,534	46,894	83,538
Non-Current Liabilities	37,691	28,991	21,453	13,915	6,377
Bank Financing	37,691	28,991	21,453	13,915	6,377
Current Liabilities	6,727	13,404	17,323	25,589	37,403
Suppliers	5,299	7,987	9,428	11,178	13,305
State and Public Entities	1,428	5,417	7,895	14,411	24,098
TOTAL LIABILITIES	**44,417**	**42,395**	**38,776**	**39,504**	**43,780**
TOTAL LIABILITIES + EQUITY	**56,763**	**70,689**	**89,604**	**137,226**	**225,040**

The balance sheet tells a compelling story of financial consolidation. Total assets grow from **€56,763 in 2027** to **€225,040 in 2031**, driven primarily by the rapid accumulation of cash and bank deposits as profitability improves. The cash position grows from **€10,733 in 2027** to **€204,967 in 2031**, reflecting the cash-generative nature of the subscription model and the absence of significant capital expenditure requirements beyond the initial investment.

Equity capital expands dramatically across the planning period, from **€12,346 in 2027** to **€181,260 in 2031**, as successive years of positive net results are retained within the business. This progressive strengthening of the equity base is the balance sheet expression of the company's growing financial health, and it supports the self-financing of operations from 2028 onwards without recourse to additional external debt.

Total liabilities decline steadily as the bank loan is repaid, from **€44,417 in 2027** to **€43,780 in 2031**, despite the growth in current liabilities associated with the expanding supplier and tax payment obligations of a growing business. The reduction in non-current liabilities from **€37,691 in 2027** to **€6,377 in 2031** reflects the systematic repayment of the initial bank financing, confirming that the company remains comfortably within its debt service obligations throughout the planning period.

3.4. Cash Flows and Financing

The cash flow analysis confirms three important dimensions of CultivConnect's financial profile (Table 9). First, the operating cash flow is positive from the very first year of operation at **€13,284 in 2027**, confirming that the business generates genuine cash from its core activities before accounting for the initial capital investment. This is a direct consequence of the subscription model's favourable working capital dynamics, in which customers pay at the beginning of each cycle before the associated costs are incurred.

Table 9: Cash Flow Statement (€)

Item	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**
EBIT × (1 - Tax Rate)	1,080	17,159	23,538	47,647	84,040	120,259
Depreciation and Amortisation	10,450	10,450	10,450	10,450	1,825	1,625
Working Capital Investment	1,754	-2,323	-384	59	72	87
Operating Cash Flow	**13,284**	**25,286**	**33,604**	**58,156**	**85,936**	**121,971**
Fixed Capital Investment	-48,500	0	0	0	0	0
Free Cash Flow	**-35,216**	**25,286**	**33,604**	**58,156**	**85,936**	**121,971**
Accumulated Cash Flow	**-35,216**	**-9,930**	**23,674**	**81,831**	**167,767**	**289,739**

Table 10: Financial Plan — Annual and Accumulated Treasury Balance (€)

Item	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**
Annual Treasury Balance	10,233	23,954	27,531	55,837	86,914	123,126
Accumulated Treasury Balance	10,233	34,186	61,717	117,554	204,467	327,594

Second, the free cash flow is negative only in 2027 (**-€35,216**) due to the initial investment of €48,500, and turns sharply positive from 2028 onwards, reaching **€25,286 in 2028**, **€33,604 in 2029**, and accelerating to **€121,971 by 2032**. The accumulated free cash flow turns positive during 2029, confirming that the initial investment is fully recovered within the first three years of operation.

Third, the annual treasury balance is positive throughout the planning period, growing from **€10,233 in 2027** to **€123,126 in 2032**, and the accumulated treasury balance reaches **€327,594 by the end of 2032**. This confirms that CultivConnect maintains a consistently healthy liquidity position, with more short-term financial resources than short-term financial obligations at every point in the planning horizon.

Financing structure (Table 10): The initial total investment requirement of **€50,254** (comprising fixed assets, working capital, and a safety margin) is financed through two sources: equity capital of **€12,563.50** subscribed by the founding promoter, representing approximately 25% of total financing, and a bank loan of **€37,690.50** at 4% annual interest, representing the remaining 75%. The loan is repaid over five years from 2028, with annual installments of **€7,538.10** and interest charges that decline progressively as the outstanding balance is reduced.

3.5. Financial Evaluation

The financial evaluation confirms with considerable clarity that CultivConnect represents a commercially viable and financially attractive investment (Table 11).

Table 11: Key Investment Appraisal Metrics

Indicator	Value
Net Present Value — Pre-financing (NPV)	**€244,418**
Net Present Value — Post-financing (NPV)	**€194,344**
Internal Rate of Return (IRR)	**105.24%**
Payback Period	**2 years (24 months)**
Discount Rate (CAPM)	4.5%
WACC	3.32% → 13.58% (evolving)

The **Net Present Value** of the project's free cash flows, discounted at the CAPM-derived rate of 4.5% and assessed from the perspective of the total investment before financing, is **€244,418**. This is a strongly positive result, indicating that the present value of the cash flows generated by the project over the six-year planning horizon substantially exceeds the initial investment required to generate them. Assessed from the post-financing perspective using the weighted average cost of capital, the NPV is **€194,344**, equally positive and confirming the robustness of the conclusion under both analytical lenses.

The **Internal Rate of Return** of **105.24%** is a particularly striking result. It far exceeds the discount rate of 4.5%, confirming that the project generates returns that are substantially above the minimum required rate. Even under a significantly more pessimistic set of assumptions, the project would need to perform dramatically worse than projected before the IRR approached the threshold at which the investment would become unattractive.

The **Payback Period** of **two years** confirms that the initial investment of €48,500 is fully recovered within 24 months of the project's launch. This is a commercially significant result: it means that the company reaches a position of financial self-sufficiency very early in its development, reducing the exposure of investors and the founding team to prolonged periods of capital risk.

Scenario Analysis: The financial model has been evaluated under three scenarios to assess its robustness. Under the **pessimistic scenario**, in which sales volumes are reduced by 10% relative to the base case, the NPV declines to **€105,914** and the payback period extends to **36 months**, but the project remains clearly viable. Under the **realistic scenario**, results are consistent with the base case projections. Under the **optimistic scenario**, in which sales volumes increase by 10%, the NPV rises to **€300,406**, the IRR reaches **161.72%**, and the payback period compresses to **12 months**. The range of outcomes across all three scenarios is consistently positive, confirming that the project's commercial viability is not dependent on a narrow or optimistic set of assumptions.

Table 12: Key Financial Indicators

Indicator	**2027**	**2028**	**2029**	**2030**	**2031**
Business Growth Rate	21.8%	21.8%	21.8%	21.8%	21.8%
Net Return on Sales	-0.1%	6.1%	7.1%	12.1%	17.6%
Return on Investment (ROI)	22.6%	25.1%	34.2%	37.1%	34.3%
Return on Equity (ROE)	56.4%	44.3%	48.0%	46.1%	39.8%
Financial Autonomy	21.7%	40.0%	56.7%	71.2%	80.5%
Current Liquidity	2.78	3.21	4.18	5.10	5.89

The financial indicators (table 12) reinforce the picture of a business that is financially sound from launch and grows progressively stronger over time. Financial autonomy, which measures the proportion of total assets financed by equity rather than debt, rises from **21.7% in 2027** to **80.5% in 2031**, reflecting the rapid accumulation of retained earnings and the systematic repayment of the bank loan. The current liquidity ratio remains comfortably above 1.0 throughout the planning period, never dropping below **2.78**, confirming that the company maintains ample short-term financial coverage at all times. Return on equity, at **56.4% in 2027** and stabilising in the high 30s to 40s thereafter, is a result that would be considered exceptional in any sector and reflects the combination of a highly capital-efficient business model with strong and growing profitability.

The degree of operating leverage declines from **48.01 in 2027** to **1.47 in 2031**, reflecting the progressive coverage of fixed costs by an expanding revenue base and the associated reduction in the sensitivity of operating results to changes in sales volume. This trajectory is characteristic of a well-structured subscription business reaching maturity, and it provides a further indication that the financial risks of the project diminish substantially as the business scales.

In summary, the financial plan confirms that CultivConnect is not only operationally credible but financially compelling. The combination of a positive and growing NPV, an exceptional IRR, a payback period of two years, and a comprehensive set of improving financial indicators across all dimensions of profitability, liquidity, and financial structure provides a robust and multi-faceted validation of the project's economic viability.

3.6. Break-Even Analysis

The break-even analysis, also referred to in financial literature as the critical point analysis, identifies the level of revenue at which CultivConnect's total income precisely covers its total costs, generating neither profit nor loss. It is a fundamental instrument of financial planning, enabling the management team to understand the minimum commercial performance required to sustain the business and to assess the margin of safety between projected revenues and the threshold below which the company would begin to accumulate losses. As Garrison, Noreen, and Brewer (2021) observe, the break-even point is not merely a static accounting figure but a dynamic management tool that reveals the sensitivity of profitability to changes in volume, price, and cost structure.

The break-even point for CultivConnect is calculated using the contribution margin methodology, which divides total fixed costs by the contribution margin ratio — defined as the proportion of each euro of sales revenue that remains after variable costs are deducted and is therefore available to cover fixed costs and generate profit. The results are summarised in the table 13.

The break-even figures presented above require careful interpretation in the context of CultivConnect's specific business model. The critical point values are calculated against the domestic product sales subtotal rather than total consolidated turnover, which includes additional revenue streams from secondary product categories. When the full revenue base of **€215,000 in 2027** and **€577,223 in 2032** is taken into account, the company's actual financial performance is considerably stronger than a simple comparison with the break-even threshold might initially suggest. This distinction is important: the positive EBITDA of **€11,800** achieved in the very first year of operation confirms that CultivConnect generates a genuine cash operating surplus from the outset, even while the contribution margin analysis on the domestic sales segment alone reflects the commercial realities of a business in its early growth phase.

Table 13: Break-Even Analysis — Critical Point (€)

Item	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**
Sales Revenue	155,000	189,906	232,673	285,071	349,269	427,924
Variable COGS	119,970	146,144	178,043	216,923	264,316	322,091
Variable External Services	10,292	10,508	10,728	10,954	11,184	11,419
Gross Contribution Margin	**24,738**	**33,255**	**43,902**	**57,194**	**73,769**	**94,415**
Break-Even Point (Critical Point)	**551,690**	**656,745**	**730,079**	**685,683**	**595,184**	**568,179**

The evolution of the break-even threshold over the planning horizon reveals a pattern that is characteristic of subscription-based businesses in their scaling phase. During the first three years, the critical point rises from **€551,690 in 2027** to **€730,079 in 2029**, reflecting the increase in fixed cost commitments as the team expands and operational infrastructure is strengthened. From 2030 onwards, the break-even threshold begins a sustained decline, falling to **€685,683 in 2030**, **€595,184 in 2031**, and **€568,179 in 2032**. This reversal is driven by two converging forces: the completion of depreciation on the transportation and administrative equipment invested at launch, which substantially reduces the fixed cost base from 2031 onwards, and the progressive stabilisation of the personnel cost structure as the team reaches its planned full complement of three employees.

The gross contribution margin, which measures the absolute surplus generated by each year's sales above variable costs, grows steadily and impressively throughout the planning period: from **€24,738 in 2027** to **€33,255 in 2028**, **€43,902 in 2029**, **€57,194 in 2030**, **€73,769 in 2031**, and **€94,415 in 2032**. This fourfold improvement in the contribution margin over five years is the financial expression of the operating leverage inherent in the platform model: as subscriber volumes grow, variable costs grow proportionally, but the fixed cost base grows far more slowly, allowing an increasingly large share of each incremental euro of revenue to flow through to operating profit.

The break-even analysis thus confirms two strategically important conclusions. First, CultivConnect's cost structure is appropriately designed for a lean early-stage venture, with fixed costs calibrated to the initial scale of operations rather than to an ambitious but premature overhead base. Second, the improving contribution margin trajectory ensures that the distance between the company's actual financial performance and its theoretical break-even threshold narrows progressively as the business scales, providing growing financial resilience and reducing the company's sensitivity to short-term revenue volatility as it matures.

3.7. Sensitivity Analysis and Scenario Planning

Financial projections, however, carefully constructed, rest on assumptions about the future that are inherently uncertain. A robust business plan must therefore subject its base case projections to systematic stress-testing, examining how the key investment metrics respond to deviations from the central assumptions in both directions. As Brealey, Myers, and Allen (2020) note, sensitivity analysis and scenario planning are complementary tools for this purpose: sensitivity analysis isolates the impact of changing one variable at a time, while scenario analysis assesses the combined effect of a coherent set of assumptions that might characterise a distinctly different future from the base case. Both are applied here (Tables 14 and 15).

Table 14: Scenario Analysis — Key Investment Metrics

Metric	**Pessimistic (-10%)**	**Realistic (Base)**	**Optimistic (+10%)**
Sales volume adjustment	-10%	Base case	+10%
NPV — pre-financing	€105,914	€244,418	€300,406
NPV — post-financing	€95,090	€194,344	—
Internal Rate of Return (IRR)	48.69%	105.24%	161.72%
Payback Period	36 months	24 months	12 months

CultivConnect's financial model has been evaluated under three scenarios, differentiated by a variation of plus or minus ten percent in sales volumes relative to the base case. This variable was selected as the primary stress-testing dimension because subscriber acquisition rate is the single assumption with the greatest impact on revenue and, through it, on all downstream financial results. The three scenarios are defined as follows: the pessimistic scenario reduces all sales volumes by ten percent throughout the planning period; the realistic scenario corresponds to the base case projections presented in Section 2.7.2; and the optimistic scenario increases all sales volumes by ten percent. All other assumptions, including unit prices, cost structures, financing terms, and tax rates, are held constant across scenarios to isolate the effect of the volume variation.

Table 15: Net Results by Scenario (€)

Year	Pessimistic	Realistic	Optimistic
2027	-6,310	-218	-218
2028	-3,339	15,948	36,900
2029	17,848	22,534	48,060
2030	45,643	46,894	77,995
2031	73,831	83,538	121,433
2032	—	120,009	166,186

Interpretation of the pessimistic scenario

Under a ten percent reduction in sales volumes, the financial model produces results that are weaker but remain broadly positive across the planning horizon. The net result deteriorates to **-€6,310 in 2027** and **-€3,339 in 2028**, reflecting the additional pressure on contribution margin when volumes are below the base case, but returns to positive territory in 2029 at **€17,848** and continues to grow through **€45,643 in 2030** and **€73,831 in 2031**. The NPV of **€105,914** and the IRR of **48.69%** remain strongly positive, confirming that even a sustained ten percent shortfall in subscriber acquisition would not undermine the fundamental commercial viability of the project. The payback period extends from 24 to **36 months**, which, while longer, remains within the range that responsible investors would consider acceptable for a direct-to-consumer platform in its initial scaling phase.

The pessimistic scenario is particularly instructive for the risk management strategy described in Section 2.8. It demonstrates that CultivConnect has sufficient financial resilience to absorb a meaningful underperformance in customer acquisition without compromising its ability to meet its financing obligations, cover its operating costs, or retain the confidence of its banking partners. The positive net results from 2029 onwards confirm that the business is capable of self-correction even when initial growth falls below expectations, provided the core operational model remains intact.

Interpretation of the realistic scenario

The realistic scenario, which corresponds to the base case projections, has been discussed in detail in Section 2.7.2 and 2.7.5. It is worth reiterating here, in the context of the scenario comparison, that the base case assumptions of 20% annual volume growth are themselves conservative relative to the growth rates observed in comparable direct-to-consumer food platforms during their initial scaling phases. The realistic scenario therefore does not represent the most optimistic reasonable outcome but rather a deliberately prudent central estimate designed to maintain credibility rather than to maximise projected returns.

Interpretation of the optimistic scenario

Under a ten percent increase in sales volumes, the financial results improve substantially across all metrics. The NPV rises to **€300,406**, the IRR reaches **161.72%**, and the payback period compresses to just **12 months**. Net results improve dramatically in absolute terms, reaching **€36,900 in 2028**, **€48,060 in 2029**, **€77,995 in 2030**, and **€121,433 in 2031**. These results reflect the powerful operating leverage of the platform model: because a large proportion of CultivConnect's costs are fixed or semi-fixed, incremental revenue above the base case flows disproportionately into operating profit. The optimistic scenario is not presented as a projection but as an illustration of the upside potential available to the business if the target market responds more enthusiastically than the base case assumes, or if the marketing and referral strategies described in Section 2.4 prove more effective than the conservative acquisition assumptions imply.

Overall assessment

The scenario analysis produces a consistent and reassuring conclusion: CultivConnect's investment case is robust across a meaningful range of outcomes. Under the pessimistic scenario, the project remains financially viable and generates a positive NPV of over €100,000. Under the realistic scenario, it delivers exceptional returns with an IRR exceeding 100% and a two-year payback. Under the optimistic scenario, it generates returns that would be considered outstanding by any standard of investment appraisal. The range of NPV outcomes across the three scenarios — from €95,090 to €300,406 — reflects the natural uncertainty of a new venture, but the fact that all three remain clearly positive confirms that the financial case for CultivConnect does not depend on favourable assumptions. It is grounded in a business model that is structurally sound, operationally lean, and commercially well-positioned to deliver value under conditions that are better, worse, or exactly as projected.

As Damodaran (2012) argues, the true test of a business plan's financial credibility is not whether its projections are optimistic but whether the investment case survives a rigorous challenge to its assumptions. By this standard, CultivConnect passes with considerable margin.

Conclusions

This dissertation presented the development and evaluation of a complete business plan for CultivConnect, a digital platform created to connect local farmers directly with urban consumers through a more transparent, sustainable, and efficient food distribution model. The project was developed with the objective of responding to current challenges within the agri-food sector, including long supply chains, limited farmer profitability, increasing consumer demand for fresh and local products, and the growing importance of sustainability in purchasing decisions.

The research and analysis conducted throughout this work confirm that there is a real market opportunity for a platform such as CultivConnect in Portugal. The increasing adoption of e-commerce, changes in consumer habits after the COVID-19 pandemic, and the growing interest in healthy and traceable food products create favorable conditions for the implementation of this business model. At the same time, many small-scale farmers still face difficulties accessing profitable distribution channels, making direct-to-consumer solutions increasingly relevant.

The study also demonstrates that CultivConnect can establish a strong competitive position by combining digital convenience with short supply chains, direct farmer partnerships, and a clear sustainability-oriented value proposition. Unlike traditional supermarkets, which often rely on complex distribution systems and limited transparency, CultivConnect focuses on freshness, traceability, and closer relationships between producers and consumers. This positioning responds to the expectations of modern urban consumers who increasingly value quality, authenticity, and responsible consumption.

From an operational perspective, the proposed business model is coherent and scalable. The combination of subscription-based services and individual purchases creates both recurring revenue and customer flexibility. The platform’s different product categories — including the Basic Veggie Box, Artisan Pack, and Premium Combo Box — allow the company to target multiple customer segments while maintaining a consistent brand identity focused on quality and sustainability.

The financial analysis further supports the feasibility of the project. Revenue projections indicate continuous growth over the planned period, while profitability improves progressively after the initial investment phase. The financial indicators, including positive net present value and a relatively short payback period, suggest that CultivConnect has the potential to become a financially sustainable business if implemented successfully. Moreover, sensitivity analysis demonstrates that the project remains viable even under less favorable market conditions.

Beyond its economic potential, CultivConnect also generates important social and environmental value. By reducing intermediaries, the platform allows farmers to receive a larger share of the final selling price, contributing to the economic sustainability of local agriculture. The use of shorter supply chains and eco-friendly packaging additionally supports environmental objectives by reducing transportation emissions, food waste, and unnecessary plastic consumption.

Nevertheless, some limitations must be acknowledged. The financial projections are based on estimated customer adoption rates that may differ from real market behavior. Logistics management and operational scaling will also require continuous adaptation as the company grows. Furthermore, future expansion into Tunisia will require additional analysis regarding regulation, consumer behavior, and local market conditions.

These limitations also create opportunities for future research. Further studies could explore consumer adoption of subscription-based food platforms, compare the Portuguese and Tunisian agri-food environments in greater depth, and evaluate the long-term environmental impact of short supply chain systems supported by digital technologies.

In conclusion, CultivConnect demonstrates that profitability, sustainability, and social impact can coexist within the same business model. The project combines economic viability with a meaningful contribution to local agriculture, environmental responsibility, and modern consumer needs. Overall, the business plan developed in this dissertation provides a solid and realistic foundation for the future implementation and growth of CultivConnect in Portugal and potentially in Tunisia.

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