Solving the problems of high food losses in tropical agriculture, over-reliance on diesel generators and the high cost of entering new markets.

InspiraFarms.com
What We Do

In emerging economies where less than 4% of fresh produce is refrigerated and electricity is scarce and unreliable, produce loss in tropical supply chains reaches an unacceptable 50%.

InspiraFarms provides food producers and distributors with sustainable growth solutions that significantly reduce post harvest loss, cut energy costs and improve market access – on or off-grid.

We deliver a package of energy-efficient refrigerated storage and food processing plants, client-centred technical support and affordable asset financing terms that enable small and growing agribusinesses to leapfrog barriers to emerging technology and finance and grow sustainably.

Our strategic partners

[Logos of the strategic partners]

InspiraFarms.com
Underlying Technology

Food-safe certified modular structures

InspiraFarms structures are lightweight, expandable and quick-and-easy-to-install, incorporating a laser-cut galvanised steel framework and high quality structural insulated panels that allow InspiraFarms technology to operate at high energy efficiency almost anywhere on earth.

Shipped as a turn-key solution direct to a client’s installation site, these structures are designed to food-safe certification standards and can be relocated, allowing installation on short or long term sites.

Thermal storage for off-grid refrigeration

Each InspiraFarms facility comes fitted with a thermal storage system to buffer the effects of unreliable electrical grids, and to ensure active operation during power outages. The thermal backup system can operate 24 to 48 hours with a full charge, providing a life-line to fresh produce storage systems susceptible to grid failure or frequently reliant on diesel generators.
Automation and remote monitoring systems

Every InspiraFarms facility ships with an automation and remote data monitoring system as standard, feeding real-time performance information to the operator. This system ensures user-friendly, reliable functioning of the facility, enabling quality assurance, predictive maintenance and supply chain integration for logistical optimisation. The systems are compatible with a range of add-ons available through basic and subscription services.

Solar energy integration kit

Off-grid solar upgrade packages between 3 and 12 kW are available for all standard InspiraFarms facilities. With an easy plug-and-play energy integration system units can be shipped equipped with solar, or ready for integration with an appropriate 3rd party solar utility.
Core Technological Capabilities

- European (CE) quality standard compliant technology
- Global logistics partnership with industry-leaders Keunhe and Nagel
- ISO certified supply chain partners
- Modularity allows rapid deployment of turnkey facilities direct to client sites
- Cutting-edge design to enable ‘portability’ and collateralisation of the asset for financing purposes
- Qualified, insured and flexible local contractors for installation and maintenance services
- Automation and connectivity services allows remote performance monitoring and service delivery
- Internal systems integration allows seamless service delivery from production to shipping, installation and after-sales services
The CS30 Energy-Efficient Refrigerated Storage

The CS30 is a highly adaptable, positive temperature, refrigerated storage solution for agribusinesses that face the challenges of food loss, unreliable energy supply and market access.

It offers 30m² (90m³) of refrigerated storage space with fully automated remote monitoring and controls to maintain temperature between 2 and 14°C.

The CS30 ships ready to meet HACCP and other food safety standards as required. Suitable for both tropical and temperate climate produce, the unit’s size and layout can be adapted to suit your specific needs, including fully powered by solar.
The FP120 Food Processing and Refrigeration Facility

The FP120 is a cold storage integrated food processing plant with a broad range of applications for fresh produce.

The FP120 integrates a CS30 with extra handling and processing space, as well as hygiene and administrative areas. Its design ensures best-in-class workflows and compliance with international food safety standards, making it easier for agribusinesses to enter higher value markets and supply chains.
Technical Services

InspiraFarms provides our customers with a growing suite of pre- and post-sales technical support and value-added services that aid understanding of potential returns on investment, configuration, optimisation, supply chain data monitoring and long-term growth planning.

Pre-sales technical support

- Pre-feasibility studies
- Return on investment analysis and planning
- Commodity and operational business planning

After-sales technical support and value-added services

- User training and video database
- In-warranty checks and maintenance
- eRaise remote performance data monitoring system
- Extended warranty
- Customer-specific technical support packages
Asset Finance

InspiraFarms along with our co-investors have established the InspiraFarms Credit Facility 2.0. With a total value of €3 million, this unique facility fills a significant gap in the asset finance market and greatly enhances affordability.

Terms for the credit facility include:

• The asset finance is deployed as Hire Purchase with repayment terms over 3 years, in line with the value generating potential of an InspiraFarms unit. A 1-hour assessment is required to determine initial qualification
• A 3-week due diligence process will assess historic and projected financials for the purpose of understanding the additional net value to be created by the InspiraFarms unit
• The due diligence report will be submitted to the Credit Committee for the purpose of making a decision. The Credit Committee is comprised of one representative from InspiraFarms, a partner investor and one independent assessor
Benefits of InspiraFarms: Cost Comparison and Payback

The CS30’s refrigerated storage technology is significantly cheaper over a 2-year hire purchase period than a typical alternative. And with up to 5x greater energy efficiency, the CS30 offers the potential for a mid-term pay-back based solely on energy cost savings.

These figures are based on customer and auditor comparison of a modified reefer container and an InspiraFarms CS30.
€5,781
Up-front purchase (capex) cash saved on an InspiraFarms CS30 with 2-year hire purchase terms (based on annual fresh produce capacity of 80 metric tonnes)

€33,196
The 2-year operating cost (opex) cash saved with an InspiraFarms CS30 (based on annual fresh produce capacity of 80 metric tonnes)