

# Akela Assegai Smart Agrifood Hub

Integrated Vertical Farming • Energy & Water Management • Smart Distribution • Circular Economy

## What You Get

High-yield vertical farming with controlled environment agriculture

Intelligent energy and water optimisation systems

End-to-end distribution to shops, hotels, restaurants and food service

Full circular economy – waste minimisation and resource recovery

Smart mix of automation and practical operations

Scalable agrifood hub models (semi- and fully automated)

Complete partner ecosystem management and knowledge transfer

## Advantages

30–50% lower CAPEX through smart engineering and local materials

Strong ROI payback in 5 years

Full-chain integration: growing + energy + water + distribution + waste

Year-round consistent high-quality production

Akela manages partners, suppliers and circular economy processes

Scalable from small to large industrial facilities

You retain full ownership and operational control

## Intelligent Agrifood Solution

Smart Agrifood Hub solution — an advanced, integrated vertical farming and food management system that combines growing, energy & water management, distribution logistics, and circular waste handling into one intelligent ecosystem.

No isolated plant factory. No fragmented partners. Maximum efficiency and profitability across the entire agrifood chain.



A fully integrated, future-proof agrifood production and supply system designed, integrated, optimised for circular economy for long-term operational success with partner coordination.

### *Complete, profitable, and sustainable agrifood ecosystem*

- Complete control of the entire agrifood value chain
- Optimised energy, water and resource consumption
- Efficient distribution to retail, hospitality and food service
- Circular economy with minimal waste and maximum resource recovery
- Fast deployment and immediate profitability
- Local content focus with full knowledge transfer