

EdenForge

GROWING WITH AI BEYOND LIMITS

 WALLFARM
intelligent agriculture

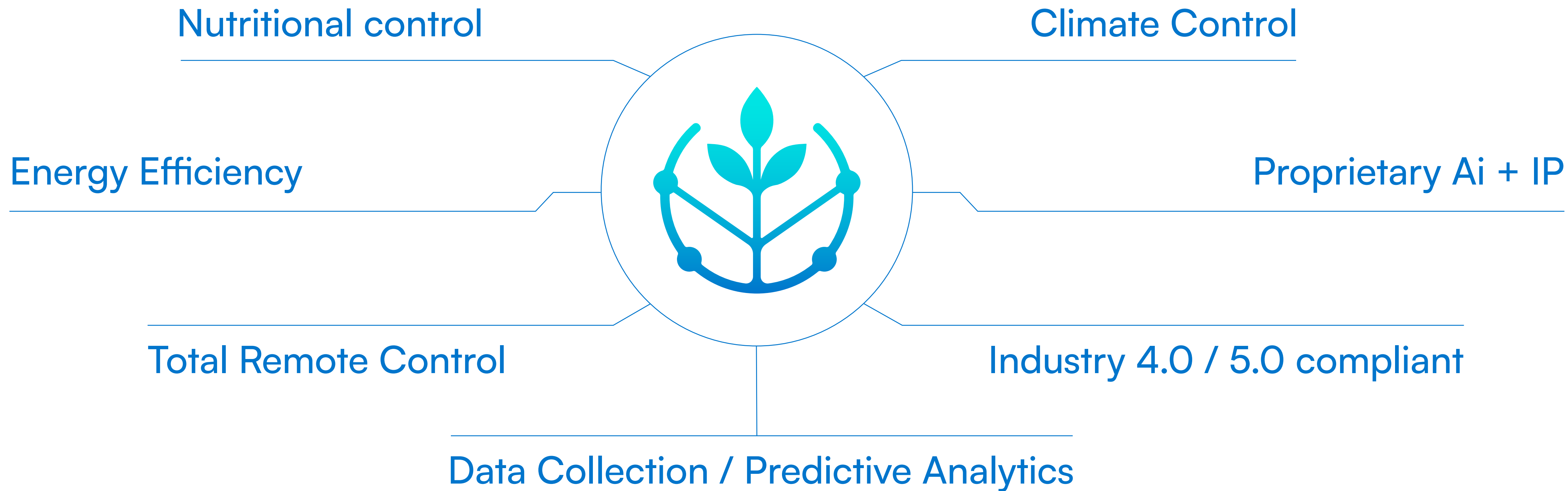
 GRUPPO ECOSAFETY
Growing companies

Softhesys

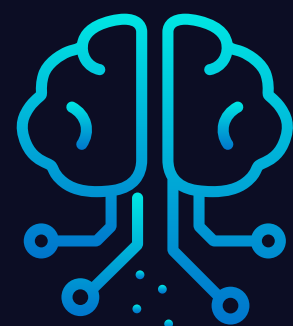




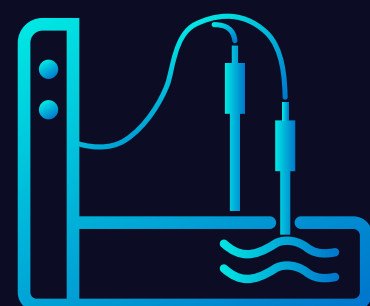
A unified, AI-driven control ecosystem that turns data into precise actions, across nutrition and climate. Plug-and-play integration, open protocols, and tailor-made configurations for every site. From small labs to multi-hectare facilities, EdenForge scales with you—and keeps improving every day.



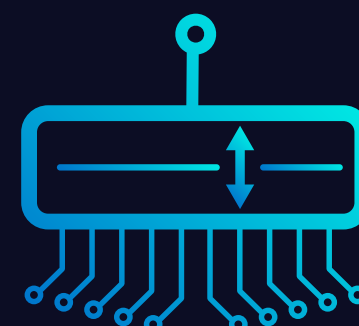
Self-learning control



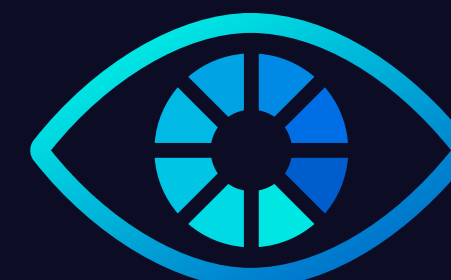
Auto Calibration



Crop Switching



Multispectral Analysis

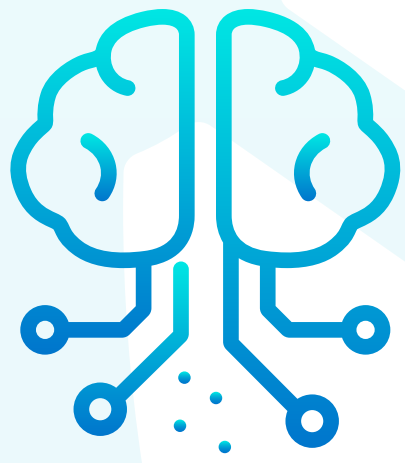


Predictive Control



How it works

ProprietaryAI



- Self Learning
- Predictive Analysis
- Customer Support
- Energy Optimization
- Climate Optimization

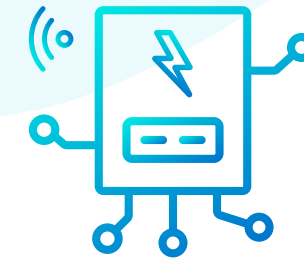
Remote Control



- Greenhouse Control
- Precision Monitoring
- Advanced Statistics
- Recipes Database
- Live Streaming - IP Camera

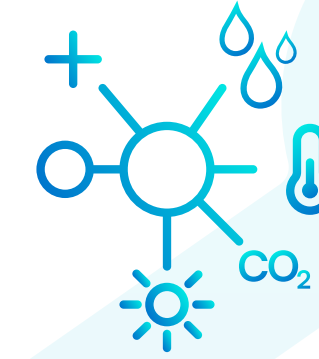
- Universal Integration
- Custom Configuration

Automation Kit

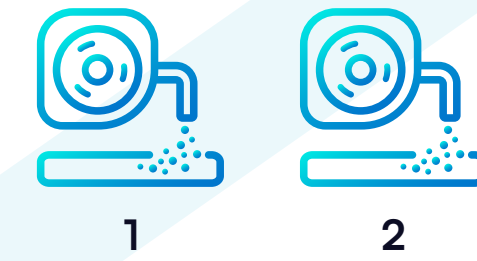


- Multispectral Analysis
- Climate Control

Sensor Mesh



NFC Dosers



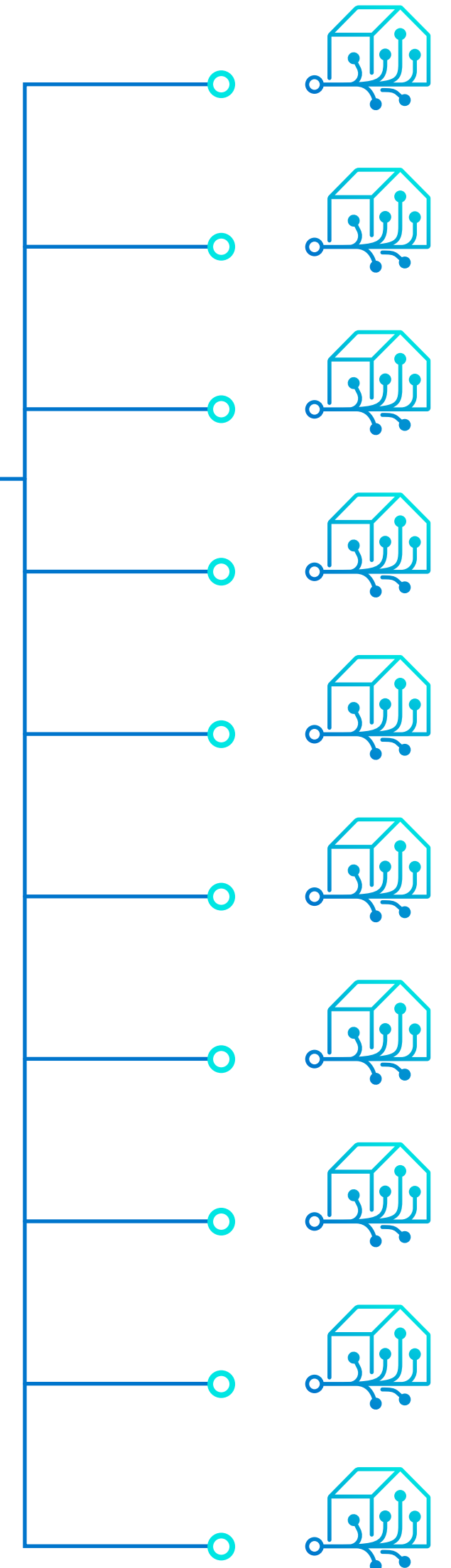
LIA - Analysis

- Self Calibration
- Self Analysis (pH+EC)

Stream Selector

- Multi Crops Management
- Auto Selection

Multiple Crops



From industrial greenhouses to precision micro incubators,
The EdenForge system adapts and grows with you.



Installation example

The automation kit is an integrated and customizable hardware/software system, capable of automating manual installations or integrating existing infrastructure (such as PLCs and sensors) with the EdenForge system.



The EdenForge system can be applied to any type of hydroponic setup, regardless of the structure type, size, or number of greenhouses or modules being managed.



The nutritional control kit can be connected to any type of system and can manage up to 10 modules/greenhouses simultaneously, even with different nutritional requirements.



Hydraulic systems



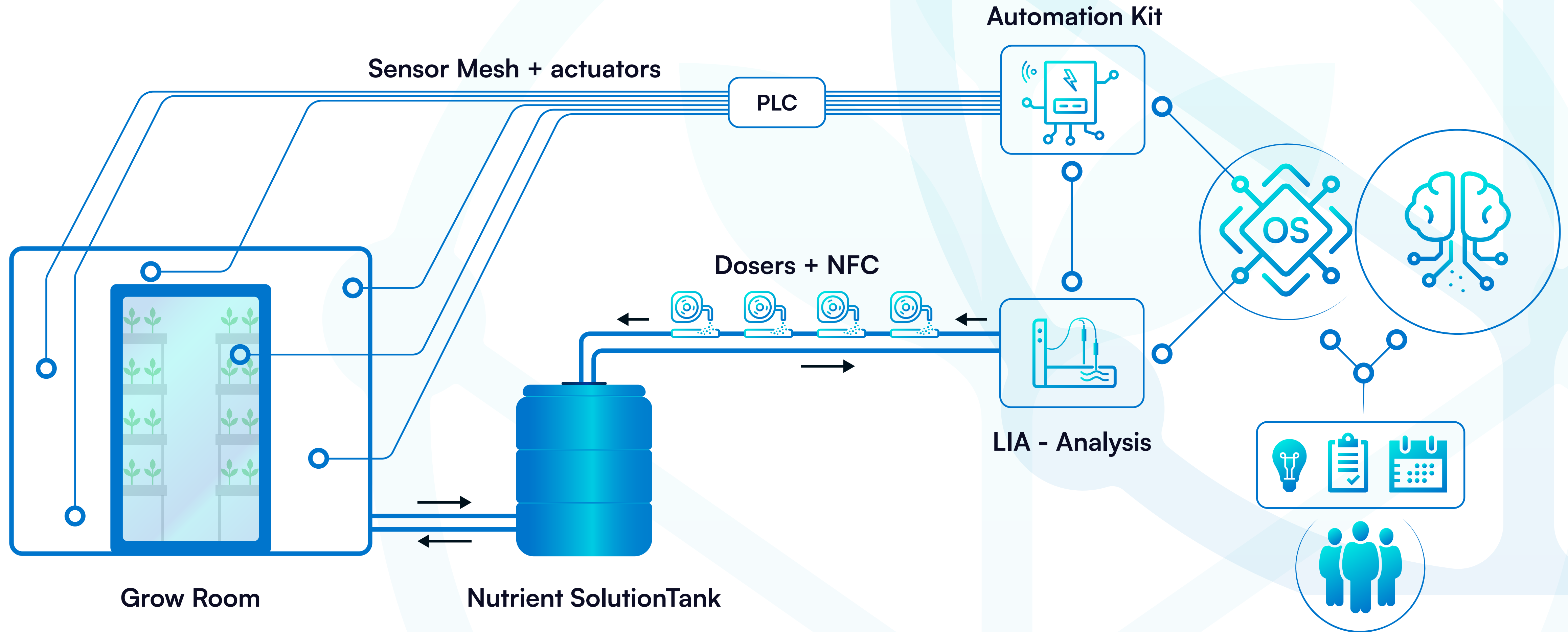
Connections



Sensor and actuators



Nutrient system



Data Collection



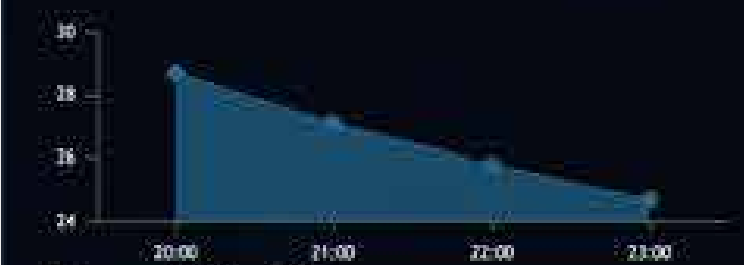
Environment

Temperature : 0.0 °C
Humidity : 0.0 %
CO2 : 0 ppm
Lighting : 0 %
VOC : 0.0 ppb
Ozone : 0.0 ppb
Temperature SP : 21.2 °C
Humidity SP : 50 %

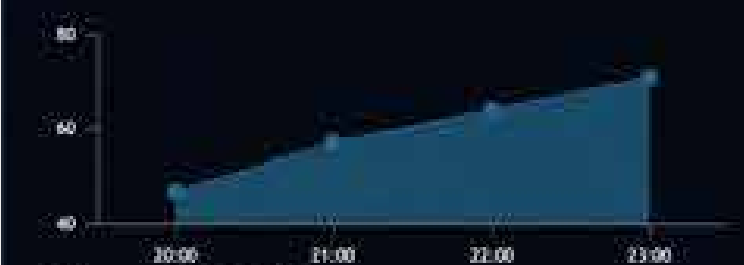
⚡ Electric Consumption

Power : 0.0 kW
Voltage : 0.0 V
Cosfi : 0.0
Active Energy : 0.0 kWh

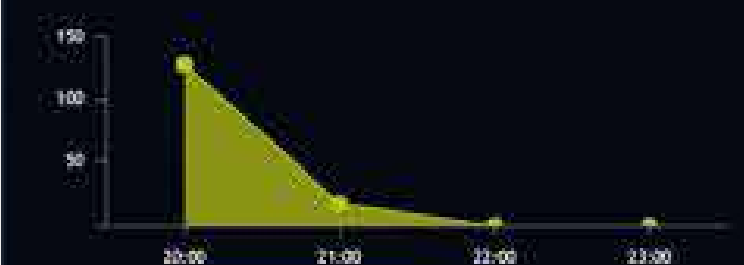
Forecast Temperature

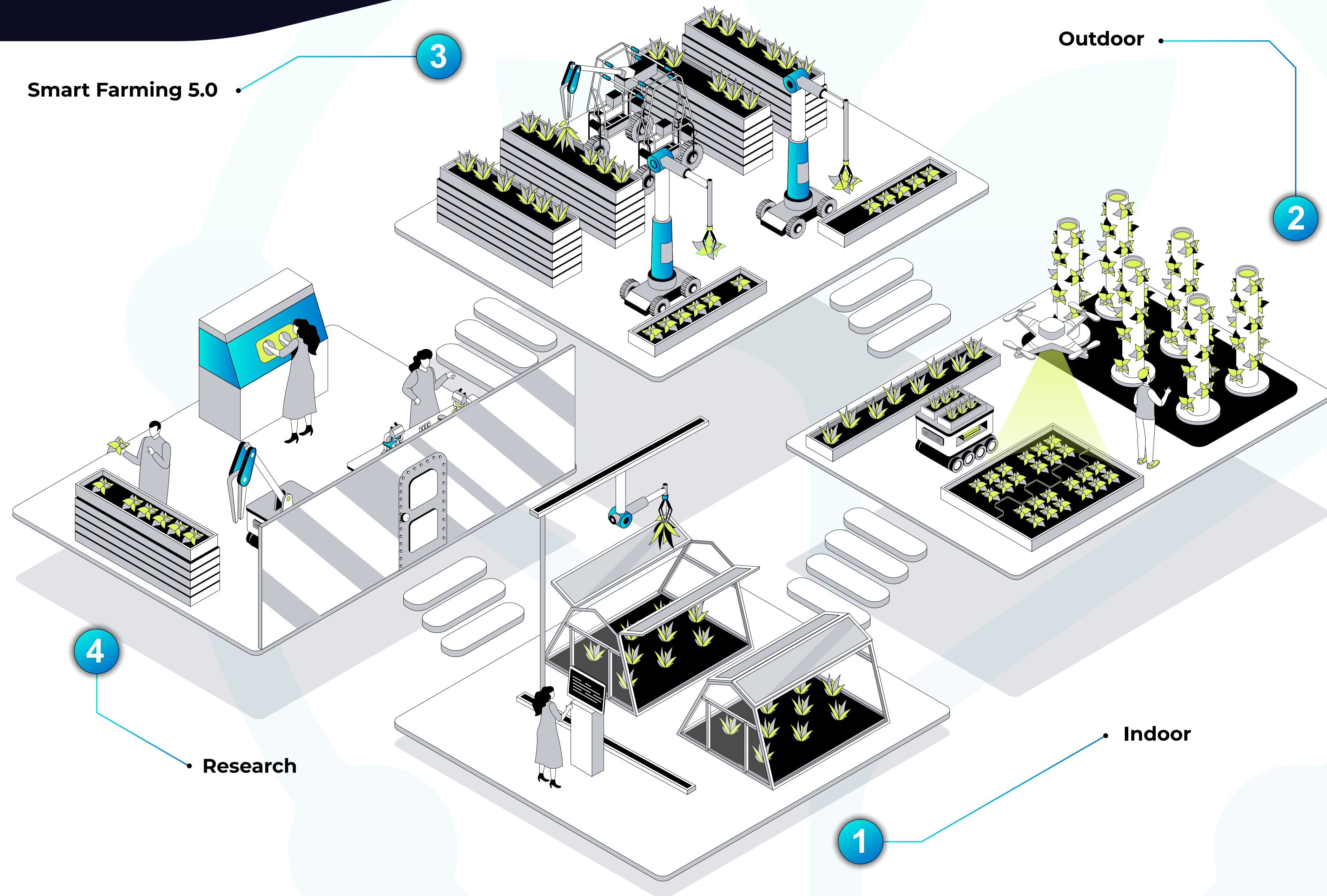


Forecast Humidity



Forecast Radiation







EdenForge

It's not just technology: it's the guarantee that your cultivation works at its full potential, every day.

Our system is designed to become the core standard of the future, capable of adapting to any context and leveraging growth data to build food resilience. A powerful autonomous cultivation system, scalable and potentially self-sufficient, that reduces costs while enabling wide adoption and maximum results, even without specific know-how.





EdenForge

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JV & Partner

Wallfarm is an IP company that develops automation and robotics systems for nutritional management in soilless cultivation. Its proprietary technologies optimize analysis, dosing, and control, combining precision and scalability.



Softthesys is a company specialized in the design and development of intelligent systems (AI-based) supporting automation in the Industrial, Building, and Agricultural sectors. It designs and delivers smart management and automation solutions.

EdenForge

Partners and investors



Italian multinational, global leader in innovative closure systems for the beverage and industrial sectors.



An international benchmark for precision pumping and fluidics systems, with strong expertise in industrial solutions.



Specialists in environmental engineering and industrial safety, a key reference for sustainable solutions.



Leading company in advanced electronics, a key partner for the production and quality control of high-tech devices.



Investment fund specialized in foodtech and industrial innovation, actively supporting high-potential startups.