

Automatic climate control solution for Greenhouse

AUTOMATE

MEASURE | CONTROL | AUTOMATE

Measure, Control & Automate micro-environment, irrigation & fertigation parameters in GH



Smart Climate Control

Micro-environment in a Greenhouse needs to be closely monitored for parameters such as Temperature, humidity, CO2, Luminescence, fertigation and soil moisture.

Close measurement, comparison against set trigger points and rules table, and final automation of control devices is achieved through Sasya Smart Climate Control IOT Devices.

Sasya Smart Climate Control helps Greenhouses save resources and increase yield



Soil pH, CO2, Sensors



Sensor Node



Local Displays

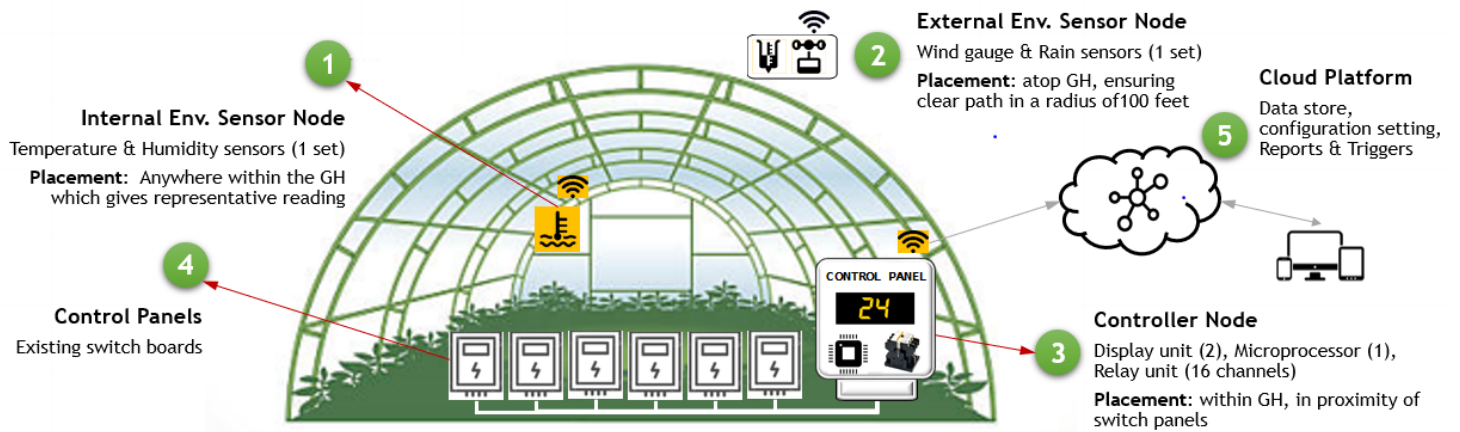


Gateway Controller

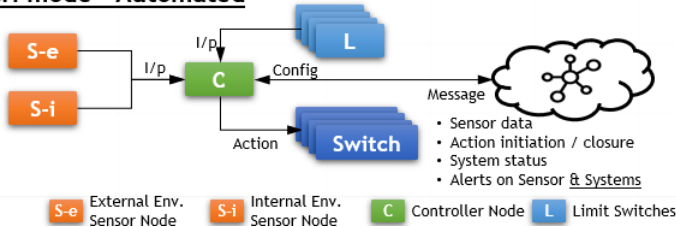
Customized Greenhouse IOT solutions - Automatic operations for foggers, side & top vents, fans, CO2 valves & dosing & irrigation systems

Fit **Green House Smart Climate Control** to monitor, control, troubleshoot and automate your Greenhouse operations

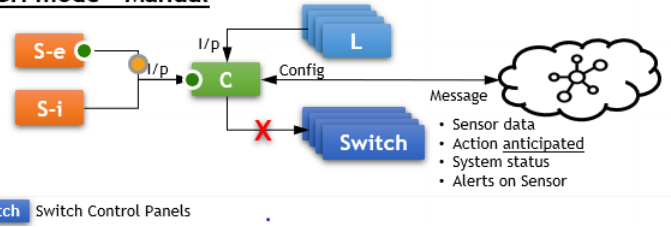
Sasya Smart Climate Control working



GH mode - Automated



GH mode - Manual



Highlights

- Environment Sensors & Wireless Nodes
Multi-zone Temp, Humidity, Soil pF, CO2, Lux, water pH, TDS sensors and nodes
- External Env. Sensor Node
Wind gauge & Rain sensors
- Gateway and Controller
Display units, Multi-channel Relay units
- Automation Bus and Control Panels
Relays into Existing switch boards for automation
- Cloud Platform
Data store, Rules, Triggers and Automation setting, Reports & Manual Overrides

Benefits

- 100%** Maintenance of ideal Micro-climate within Greenhouse
- Plus** Data based Irrigation and fertilization Practices
- 30%** Manual Effort saving compared to a fully human operated Greenhouse
- API** Support for custom AI/ML
- Phase** Wise approach for starting with Measure first and then move to full automation
- Low** Cost consulting for solution design and technical support

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