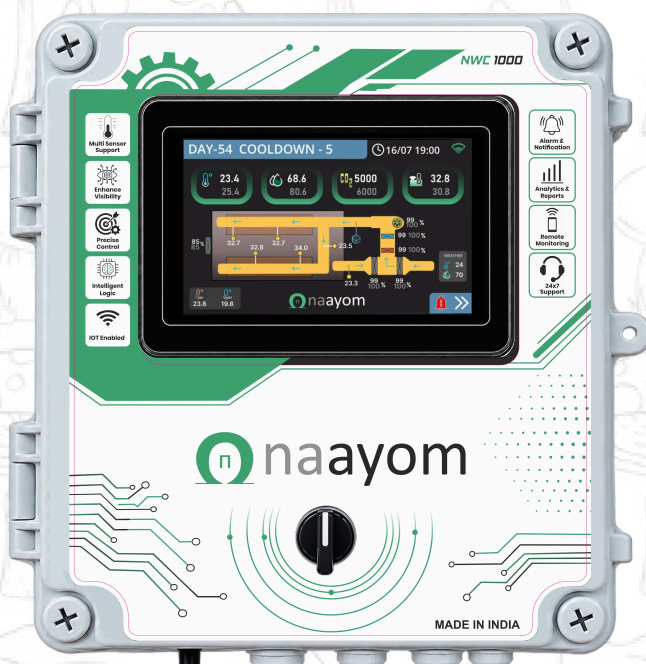
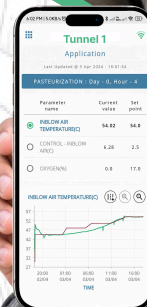




Let's Farm **Together**



Smart Climate Solutions for **Mushroom Farming**

- ✓ Seamless integration across all operations
- ✓ Data driven insights for smarter growth
- ✓ Scalable tools built for your success

Advancing Cultivation Through Smarter Technology



Mushroom farming



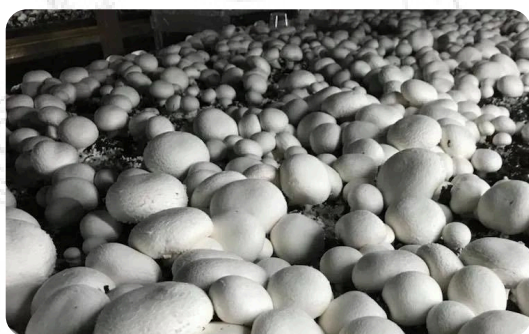
Saffron farming



Hydroponic farming

About Us

At **Naayom**, we develop intelligent climate automation solutions for modern agriculture. Our technology enables precise monitoring and control of critical environmental conditions, helping growers maintain optimal growing environments, improve consistency, reduce manual intervention, and achieve more reliable production.

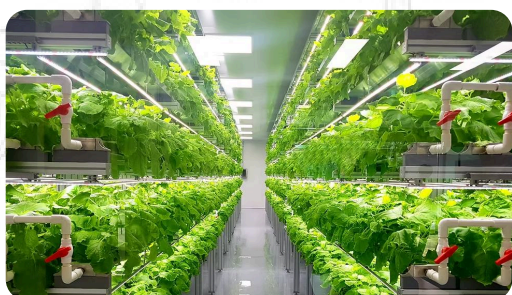


MUSHROOM CLIMATE AUTOMATION

Advanced climate automation precisely controls temperature, humidity, CO₂ and fresh air, helping mushroom growers maintain ideal conditions for consistent quality and higher yields.

SAFFRON ENVIRONMENT CONTROL

Smart environmental control maintains precise temperature, humidity, lighting and ventilation, creating optimized conditions for saffron cultivation and supporting healthy, uniform crop development.



HYDROPONIC FARM SOLUTIONS

Intelligent automation manages essential climate conditions and growing parameters, helping hydroponic farms improve resource efficiency, crop consistency and overall production performance.

Smart Growing Room Climate Computers

Features



Multi-user access



Stage-wise climate recipes can be pre-set for the entire growth cycle.



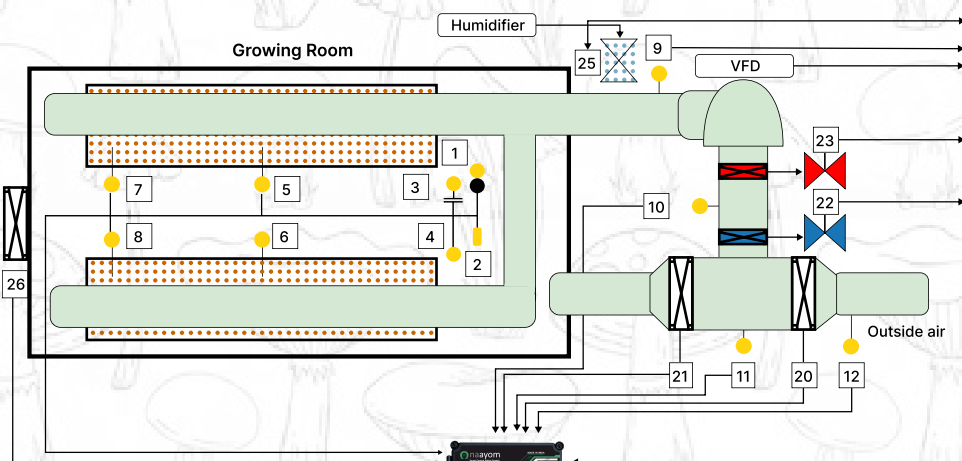
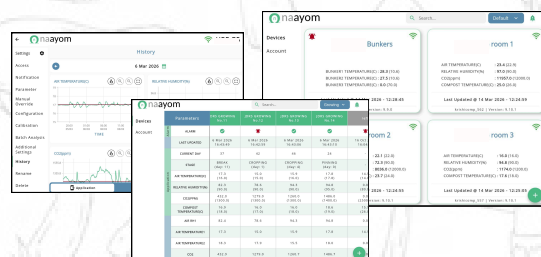
Controls all equipment: AC, fans, dampers, heaters, chillers, valves.



Automates CO2, temperature, humidity, and compost temperature



Instant alerts for outages or off-target parameters.



Input

1. Room air Relative Humidity Sensor
2. Room Air Psychometric Humidity Sensor
3. Co2 Sensors
4. Room Air Temperature Probe
- 5-8. Compost Temperature Probe
9. Post Heating Air Temperature Probe
10. Post Cooling Air Temperature Probe
11. Mixed Air Temperature Probe
12. Outside Air Temperature Probe

Output

20. Outside Air Damper
21. Circulation Air Damper
22. Cooling Coil Valve
23. Heating Coil Valve
24. Inlet Fans
25. Humidifier Valve
26. Over Pressure/Exhaust Damper



NWC 2000 Mushroom Computer



Features

IoT-enabled for remote monitoring and control via mobile app.



Automatically controls all equipment



Maintains compost temperature automatically throughout all stages.



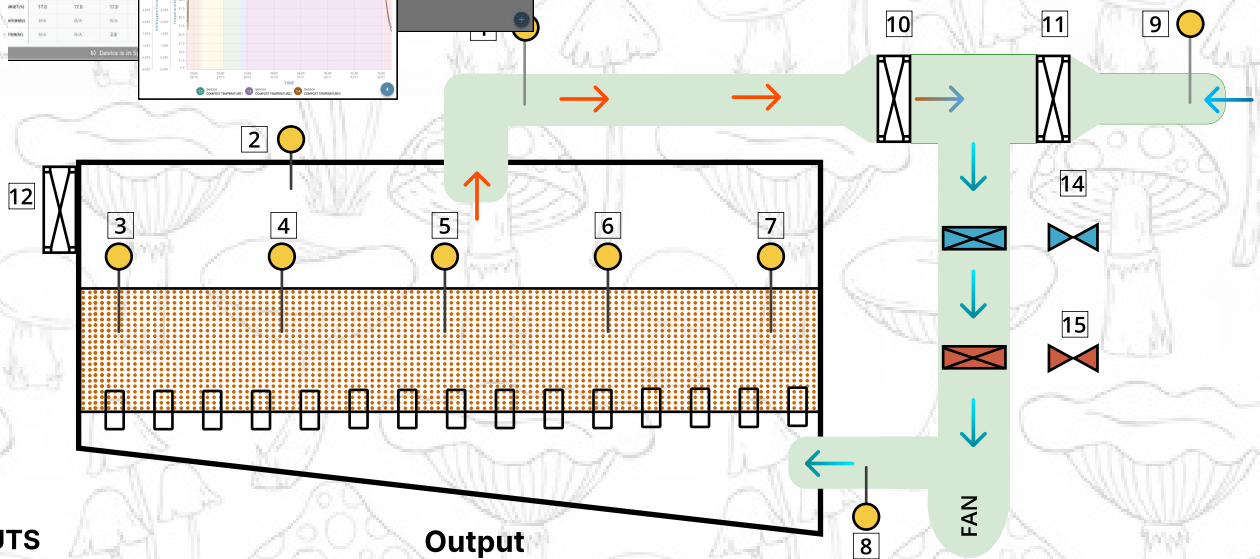
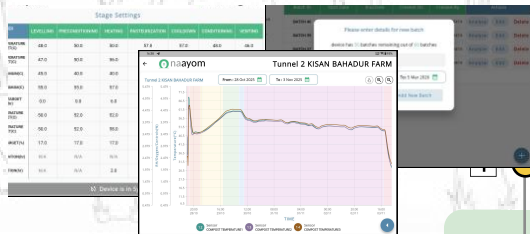
Manages key stages: leveling, heating, pasteurization, and conditioning.



Automate the Phase 2 composting process for optimal mushroom yields.



Levelling Pre Conditioning Pasteurization Cooldown Conditioning Venting



INPUTS

1. Return Air Temperature
2. Oxygen Sensor
- 3-7. Air Temperature
8. Inblow Air Temperature
9. Outside Air Temperature

Output

10. Circulation Air Damper
11. Outside Air Damper
12. Exhaust Air Damper
13. Circulation Fan
14. Cooling Valve
15. Heating Valve

NWC 3000 Smart Bunker Computer

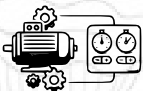
Features



Automates bunker composting in two phases: filling and turning.



For scalable fully automated mushroom farms.



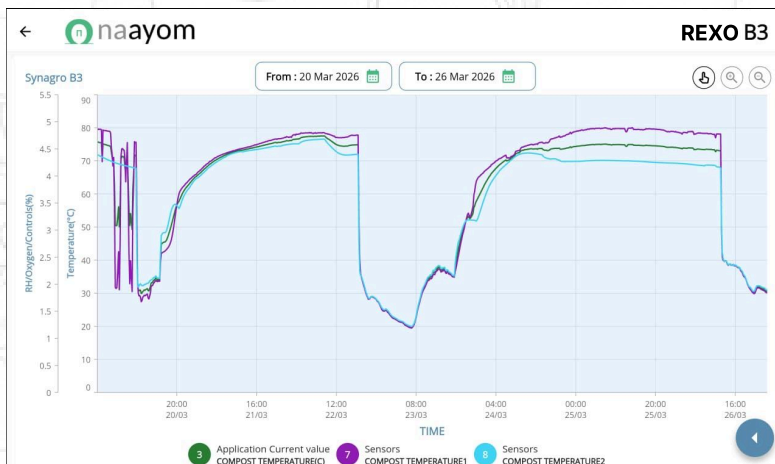
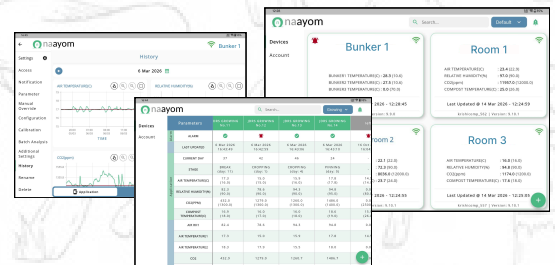
Customizable motor on/off times for each stage.



Each phase includes five precise stages: four heating stages and one fermentation stage.

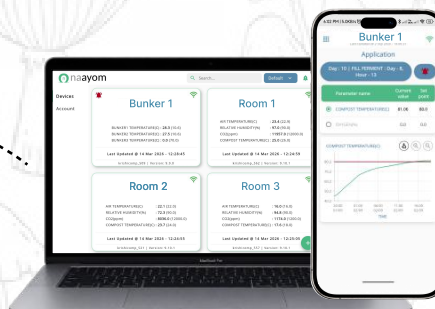


Fermentation stage allows dynamic on/off timing based on temperature, within user-defined limits.



Benefits

- tailored to your exact growing conditions
- Reliable, high-quality production with enhanced yield consistency across every cycle.
- Energy-efficient operation designed to minimize power usage and reduce operational costs.



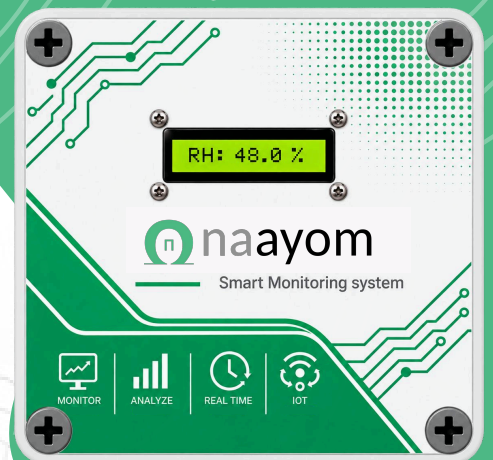
NWC 101 Climate Monitoring & Controller



- Continuously monitor system performance and maintain full operations in real time.
- Instant alerts for power outages or off-target parameters.
- Visualize performance trends through dynamic graphs for better insights.
- Securely access the system from anywhere with support for multiple authorized users.
- Monitor system status and adjust settings remotely for seamless management.

Benefits

- Maintain CO₂, temperature, and humidity levels exactly to your required specifications.
- Ensure consistent high quality and significantly improved yields across every cycle.
- Optimize energy usage to reduce overall power consumption and operational costs.



Sensing capabilities



CO2 sensor



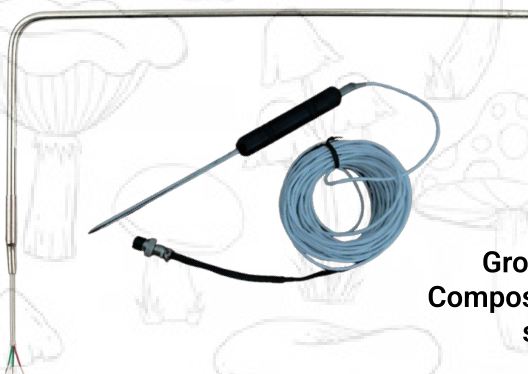
phase i & phase II
Compost Temperature
sensors



Digital dry bulb wet
bulb RH sensor



Air Temperature sensors



Growing room
Compost Temperature
sensors

Control capabilities

Digital outputs (to control on/off type equipments)



Blowers & Exhaust fans



Humidifier



AC Heaters

Analogue outputs (for variable controls)



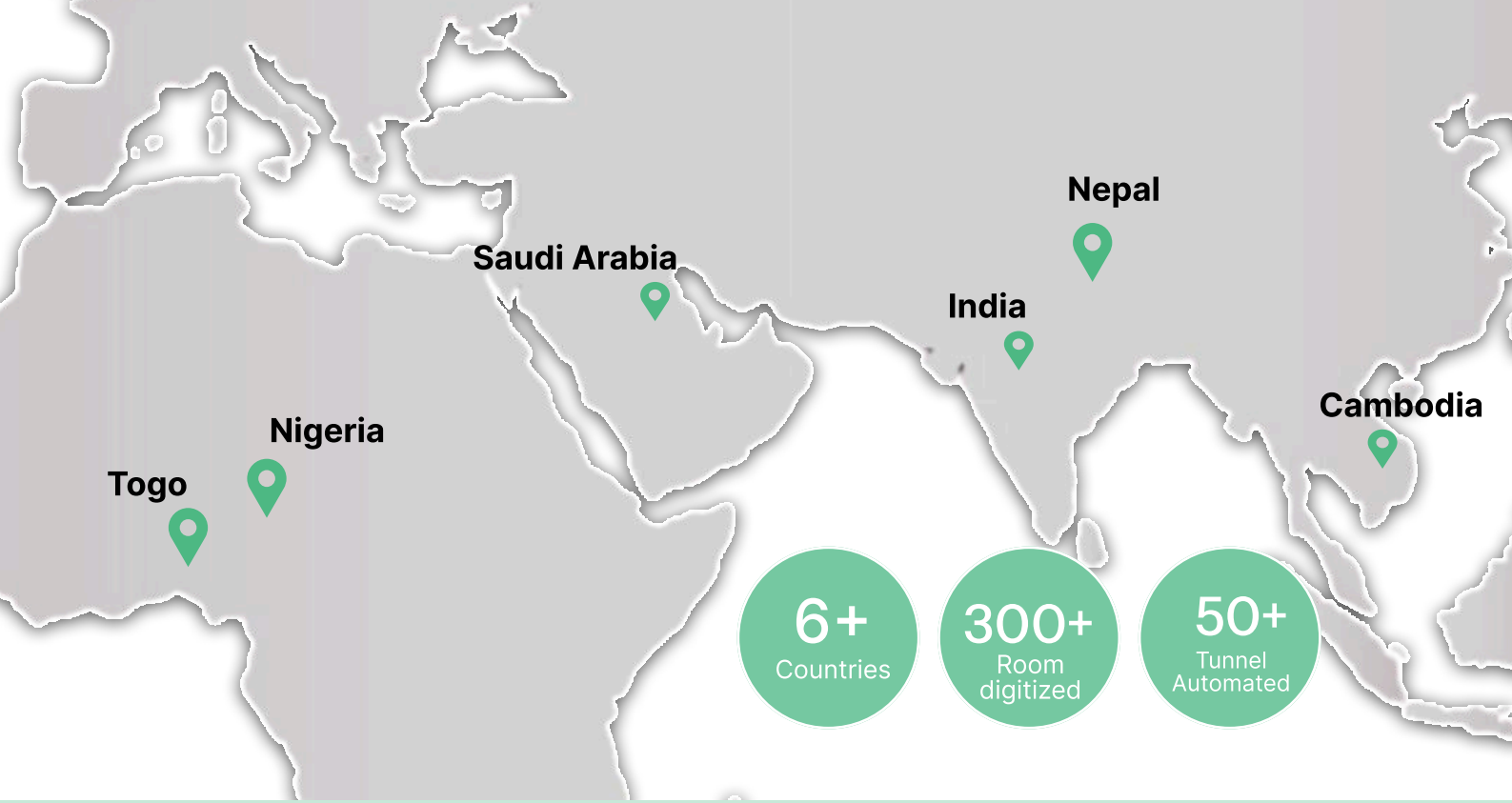
Dampers Actuators



Valves
(Cooling, Heating, Steam, etc)



VFD



We value meaningful connections. Whether you have a question, an idea to discuss, or a project in mind, we're here and ready to listen.

Reach out to us today, we can't wait to hear from you!

Get in Touch



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