

Scan the Pod. Trace the Plastic. Know the Story.

QR provenance tracks every gram of waste from stream to cooling asset.

At a Glance

Every Thermopod has a unique ID. QR code on the frame. Scan it to see: when deployed, where deployed, maintenance history, current sensor readings, water schedule, soil chemistry. Complete traceability. [1]

Summary

Each Thermopod unit receives a unique identifier and QR code applied during manufacturing. The QR code links to a cloud record stored in Thermikron's database. When a facilities manager scans the code with any mobile device, they see: (1) Deployment date and location. (2) Maintenance history (water refills, plant trimming, sensor calibration). (3) Real-time sensor data (soil moisture, soil temperature, air temperature, humidity, light level). (4) Water schedule for the week. (5) Alerts if maintenance is overdue. (6) Historical performance data (transpiration output tracked by soil moisture consumption). [1]

This traceability solves a fundamental problem in plant-based systems: facilities teams don't know what they're looking at. Is this Thermopod healthy? Is it producing cooling? Is maintenance working? Without data, facilities default to neglect or over-care. [2]

The QR code system makes invisible biology visible. A manager can walk to a Thermopod cluster, scan one unit, and see that soil moisture is optimal, temperature is nominal, and cooling output is 1.1 litres per day (transpiration estimated from soil moisture consumption). The manager knows the system is performing. This transparency builds accountability. It also builds trust: the system is working, measured, and verified. [3]

Circular economy requires traceability. At end-of-life, the deployment history is known. The age of the unit is known. The maintenance quality is known. Recovery decisions can be optimised: a well-maintained Thermopod unit at 8 years can be refurbished for another 3-year cycle. A neglected unit at 5 years goes straight to recovery. The database enables this precision. [4]

Scan. Trace. Know. Easy Retrofit systems need transparency. Biothermal Microconditioning provides it. One day deployment. Real-time data forever. No mystery. Just validated cooling, measured and visible. [5]