

Technology Overview

Hardware, PulseOS, and Pulse AI

GridPulse Hub

A modular industrial platform combining battery dispensing, dual digital displays, contactless payment, and sensor instrumentation in a serviceable enclosure.

PulseOS

The operating layer for the fleet: provisioning, configuration, content scheduling, payments, telemetry, and staged over-the-air release management.

Pulse AI

Demand forecasting, inventory placement, anomaly detection, predictive maintenance, and guest concierge interactions.

Network

Each deployment contributes anonymized operational signal that improves forecasting and placement across the entire installed base.

Security

Encrypted transport and storage, least-privilege access, signed firmware, audited administrative actions, and role-based enterprise controls.