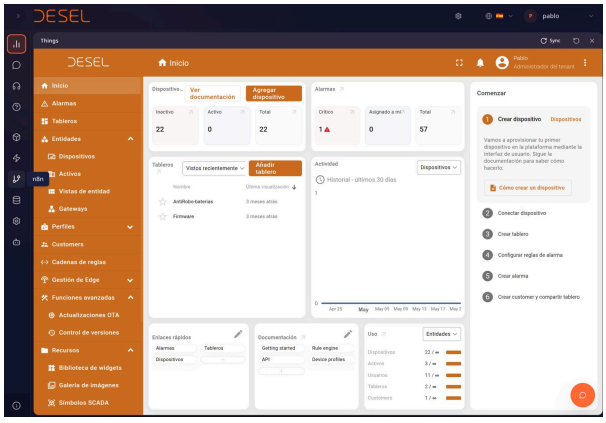
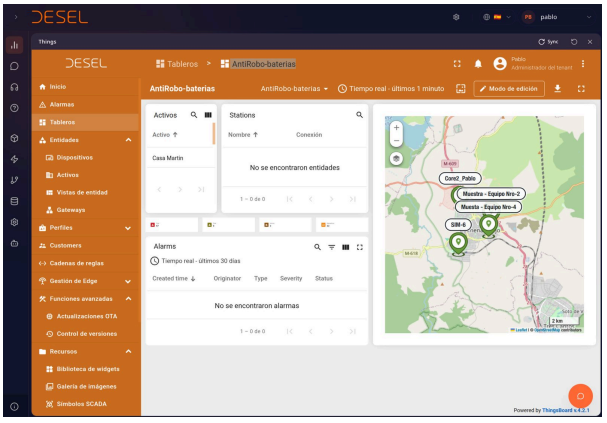
PRODUCT SHEET

AITHANEX Things

Operational IoT platform to monitor, control and manage connected devices





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Product:
AITHANEX Things

System:
AITHANEX (management, data and operations platform)

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Customer, pre-sales, management and operations

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Description

Operational IoT platform to monitor, control and manage connected devices.

Purpose

AITHANEX Things centralizes the monitoring, control and operation of connected assets, where an asset means any element, device, control point or infrastructure operated and monitored by the system.

It displays the real-time operational status, runs remote actions and audits activity.

It offers interactive maps, customizable dashboards, a mobile app and configurable alerts.

It monitors lighting, infrastructure, security and EV charging products:

- Lux AITHA LoRa (LoRa node for lighting).
- Lux AITHA NB-IoT (NB-IoT controller for lighting).
- AURA X36 (gateway for distributed signals and sensors).
- AITHA Protection (asset monitoring).
- OSHTIA EV Charger (connected EV charger).

The mobile app lets you check notices and review operational information on site. It facilitates on-site maintenance tasks and makes it possible to operate without always depending on the control station.

What it solves

Without central coordination between teams, alarms and data from multiple products, operations are not efficient. The result is disparate dashboards, inconsistent information, limited traceability and slow response to incidents.

The platform solves this by acting as a unified operations center: devices in one place, integrated permissions, configurable rules and auditable history.

What it allows you to do

- Visualization through web control dashboards for monitoring, customizable and with interactive maps.
- Remote equipment management and centralized control through commands.
- Automation with configurable rules, logic flows and priority-based alerts.
- User management with differentiated roles, customized views and per-customer permissions.
- Full audit: data history, event and action traceability, configurable reports.
- Integration with protocols, external systems and AITHANEX AI (AI agent platform) for operational data analysis and process automation.
- **Operational mobile app**. Manage devices and receive alerts in the app.

Typical applications

Smart lighting

Luminaire control, on/off schedules, intensity dimming and automatic fault detection. Consumption history per light point.

Electric vehicle chargers

Real-time charger status, active sessions, user identification, power consumption and remote maintenance.

Distributed infrastructure

Monitoring of telecom huts and cabinets, gateways, environmental sensors and critical systems. Automatic alerts on state changes or anomalies.

Smart cities

Monitoring of urban services such as lighting, EV charging, irrigation or waste from a web dashboard, mobile app or tablet depending on the deployment.

Industrial telemetry

Data collection from machines, production lines and remote equipment with real-time visualization and trend analysis.

Main advantages

- **Unified platform.** All devices and data in one place, with no scattered tools.
- **Scalable architecture.** Sized according to the deployment to operate from small installations to networks of distributed devices.
- **Configurable dashboards.** Adaptable to different customers, operations and user roles.
- **Integrated automation.** Reduces manual tasks and response times to incidents.
- **Broad compatibility.** Integrates protocols, brands and field technologies through connectors, APIs or project-specific development.
- **Multi-user and multi-customer.** Suitable for centralized operation, managed SaaS (software operated as a service from remote infrastructure) or business groups.
- **Security.** Applies encryption, authentication, auditing and traceability of events and actions according to the deployment configuration.

References

- Lux AITHA LoRa: https://aitha.es/en/products/lux-aitha/
- Lux AITHA NB-IoT: https://aitha.es/en/products/lux-aitha/
- AURA X36: https://aitha.es/en/products/aura-x36/
- AITHA Protection: https://aitha.es/en/products/aitha/
- OSHTIA EV Charger: https://oshtia.com/en/models/ev-charger/
- AITHANEX AI: https://aitha.es/en/platform/aitha-ai/