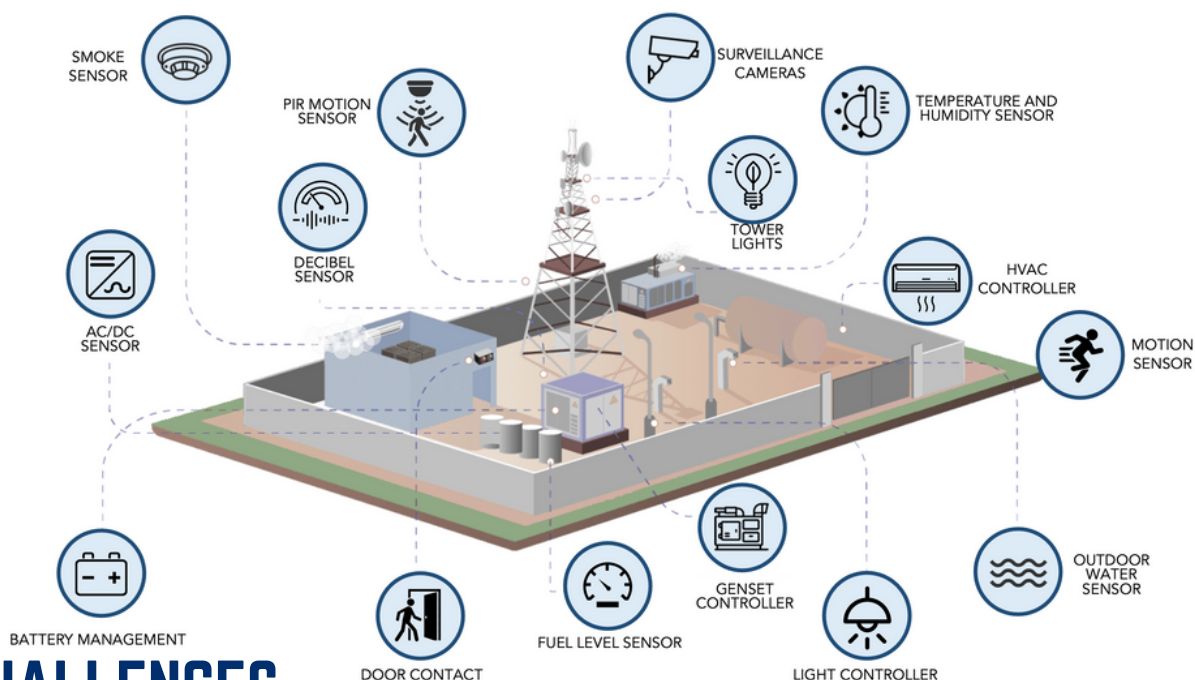Mesh enables network operators to monitor cell sites from a centralized location. It allows operations managers, infrastructure managers, and network engineers to monitor, analyze and control scenarios with intelligence.
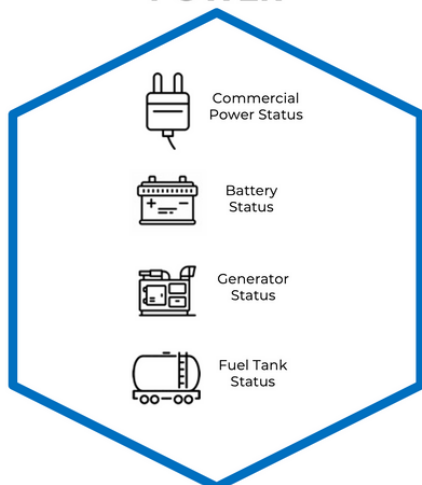

KEY CHALLENGES

With the advent of highly sensitive devices integrated to a computer logic programmed to send specific data, it is now possible for operators to monitor, analyze, notify and control of an impending outage in a certain area. This paves the way for preventive maintenance and ensuring continuous operation of the sites.

Escalating Energy Bills | Unsecured Remote Sites | Fuel Pilferage | Asset Maintenance | Tight SLAs | Site Downtime
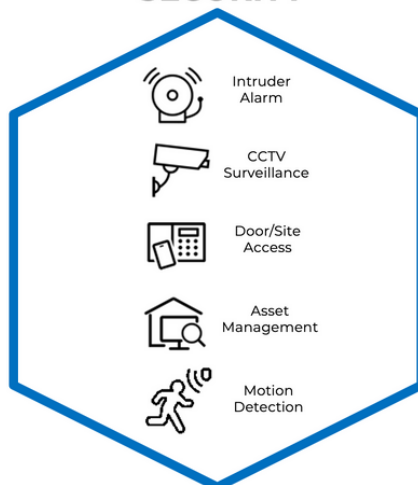
THE MESH NETWORK

Mesh Site Analytics and Control is an end-to-end IoT platform that allows network owners to monitor and control the site power, security, environmental, and energy management. The platform aims to deliver all the tools needed by service providers.
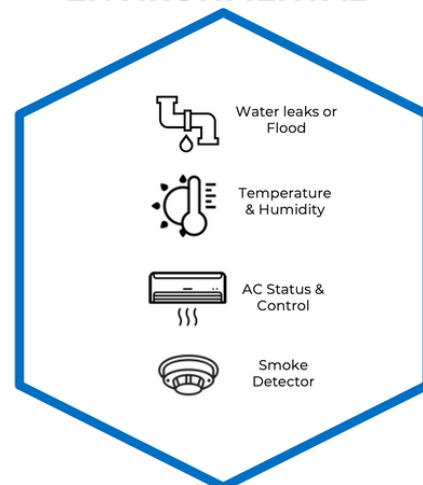
POWER

- Commercial Power Status
- Battery Status
- Generator Status
- Fuel Tank Status

Optimize site fuel level, battery levels and power consumption

SECURITY

- Intruder Alarm
- CCTV Surveillance
- Door/Site Access
- Asset Management
- Motion Detection

Effectively monitor site access and prevent site intrusion

ENVIRONMENTAL

- Water leaks or Flood
- Temperature & Humidity
- AC Status & Control
- Smoke Detector

Avoid site downtime and maximize resources with predictive analytics

MESH

THE MESH NETWORK

Endless Applications

Interoperability and Interconnectivity

Edge Intelligence

How does it improve Facilities Management?

Predictive Maintenance

No vendor lock in for Sensors

Data Analytics and Correlation

Machine Learning

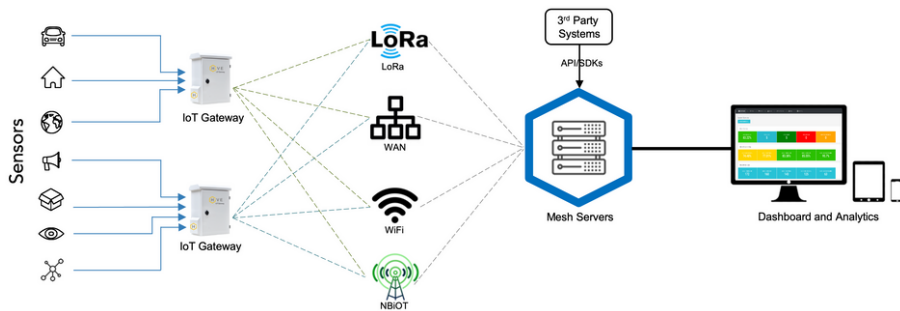There is a need for intelligent facilities management systems to address the following:

- Operational efficiency through data analytics
- Eliminate false alarms
- Fine-tune equipment operations
- Intelligent automation and control
- Improve cost efficiency of site operations
- Be proactive and not reactive

"The Mesh Site Analytics and Control is more than an NMS. It is the INTELLIGENT way of managing Sites and Facilities."
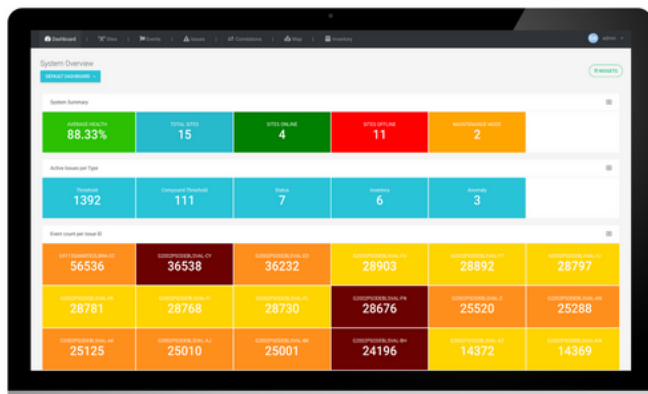
ARCHITECTURE

FEATURES

FEATURES	NMS	MESH
Alarms / Fault Management	✓	✓
Equipment Configuration	✓	✓
Data Graphs	✓	✓
Vendor Specific	✓	✗
Reports	✓	✓
Compound Thresholds — Intelligent Alarms	✗	✓
Edge Intelligence — Intelligent Control and Automation	✗	✓
Flexible and Device Agnostic	✗	✓
Prediction and Recommendation	✗	✓
Smart Notifications — SMS, Email and In-app Notification	✗	✓

SOFTWARE AND MOBILE APP

Data and reports available anytime, anywhere.