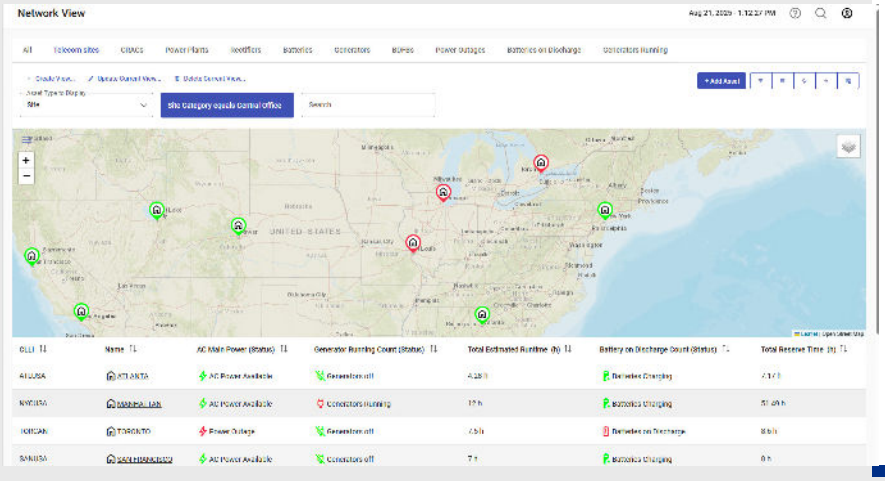
Multitel

Atlas

FROM MONITORING INFRASTRUCTURE TO MANAGING ITS LIFECYCLE

Atlas is a network management system that combines infrastructure monitoring, maintenance management, inspections, and operational analytics in a single environment. Atlas provides complete visibility into critical power and cooling assets while enabling teams to plan, assign, document, approve, and track maintenance activities throughout the infrastructure lifecycle.



With Atlas, resilience becomes built-in—not bolted on.

In today's connected world, downtime isn't just inconvenient—it's expensive. To ensure continuity and resilience, operators need more than visibility; they need intelligence. That's where Multitel's Atlas platform comes in.

Atlas Activities allows organizations to schedule inspections, assign maintenance tasks, capture field documentation, manage approvals, and maintain a complete asset history directly within Atlas. By linking maintenance activities to monitored infrastructure assets, organizations gain a unified operational view and improve compliance, accountability, and efficiency.

- REAL-TIME MONITORING
- DATA ANALYTICS
- MAINTENANCE ACTIVITIES
- API INTEGRATION
- ASSET LIFECICLE MANAGEMENT

BENEFITS

MAXIMIZE NETWORK UPTIME

With Atlas, clients gain real-time visibility into critical infrastructure—DC power systems, batteries, HVACs, and more. The platform continuously monitors for performance issues, anomalies, or failures. When problems arise, Atlas enables fast, informed decision-making to minimize downtime and maintain uninterrupted service, even in remote or unmanned sites.

PROACTIVE MAINTENANCE, NOT REACTIVE REPAIRS

Atlas transforms field data into predictive intelligence. It analyzes trends and usage patterns to identify components at risk of failure—such as degrading batteries or overworked cooling systems. This allows clients to transition from costly reactive responses to targeted, condition-based maintenance, reducing both emergency incidents and avoidable on-site interventions.

CENTRALIZE ASSET KNOWLEDGE

Atlas preserves operational knowledge by linking alarms, inspections, maintenance activities, and documentation to individual assets, helping teams improve decision-making and reduce dependency on disconnected spreadsheets and emails.

STRENGTHEN NETWORK RESILIENCE

At its core, Atlas is built to enhance the resilience of mission-critical infrastructure. By continuously monitoring power and cooling systems, it ensures networks are better prepared to withstand outages, equipment failures, or environmental threats. The result: more reliable services, better compliance, and greater peace of mind for both clients and end users.

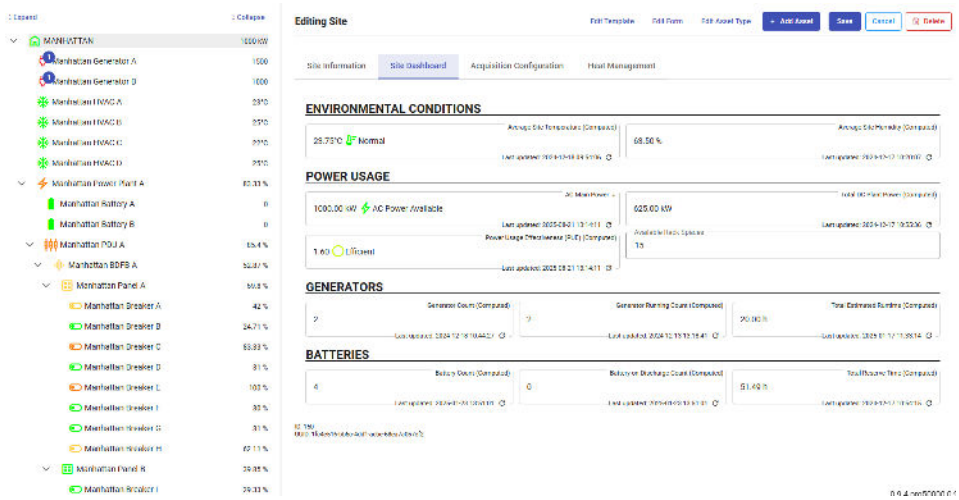
CONNECT MONITORING WITH ACTION

Atlas does more than identify issues. With **Atlas Activities**, operators can create maintenance activities, assign resources, track completion, and document corrective actions directly within the platform.

SIMPLIFY INSPECTIONS AND AUDITS

Maintain complete inspection records, supporting documents, site photos, approvals, and maintenance history in a centralized repository. Prepare for audits quickly with full traceability across assets and activities.

ATLAS helps build networks that adapt, **recover faster and deliver consistently.**



APPLICATIONS

BACKUP POWER & BATTERY MANAGEMENT APPLICATION

Power outages pose critical risks for telecommunications providers, utilities, and other critical infrastructure operators, making visibility into backup power systems essential to maintaining continuous operations. Atlas provides real-time insight into generators, battery systems, DC plants, and UPS assets, ensuring backup power is available when needed most.

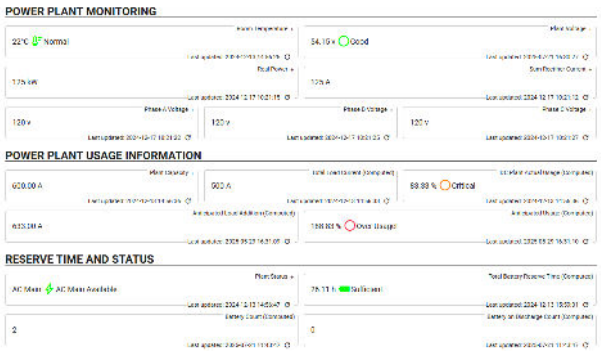
Through integration with Battery Management Systems (BMS), Atlas delivers key battery health indicators, including State of Health (SoH), capacity, and reserve time. Operators can instantly view generator runtime, battery autonomy, and overall system readiness across their network, helping optimize performance, extend asset life, and reduce the risk of unexpected failures.

Name	AC Main Power (Status)	Generator Running Count (Status)	Total Estimated Runtime (h)	Battery on Discharge Count (Status)	Total Reserve Time (h)	Float Voltage (V)	Float Voltage (Status)
TORONTO	Power Outage	Generators off	7.5 h	Batteries on Discharge	8.6 h	55 v	OK
MIAMI	Power Outage	Generators Running	20 h	Batteries on Discharge	6.37 h	47.56 v	Low Voltage
CHICAGO	Power Outage	Generators off	0	Batteries on Discharge	4.3 h	54.23 v	OK
ST-LOUIS	Power Outage	Generators Running	16 h	Batteries Charging	4.3 h	47.5 v	Low Voltage

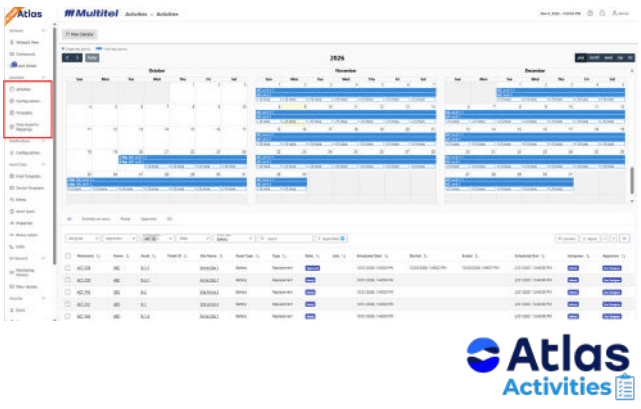
POWER DISTRIBUTION APPLICATION

Atlas integrates smart power distribution equipment to deliver real-time visibility into loads and usage across critical sites. By monitoring assets such as DC plants, PDUs, smart BDFBs, distribution panels, and breakers/fuses, Atlas enables telecom and utility companies to track load capacity at every stage of the distribution process.

This oversight allows operators to quickly detect abnormal conditions like overloads, ensure safer operations, and make smarter decisions for capacity planning and future expansion projects.



MAINTENANCE ACTIVITIES MANAGEMENT



Atlas Activities module extends the Atlas platform beyond monitoring by enabling organizations to **plan, assign, track, and document maintenance activities directly against critical infrastructure assets**. Whether managing DC power plants, PDUs, batteries, HVAC systems, generators, or distribution equipment, teams gain a centralized environment for coordinating inspections, preventive maintenance, corrective actions, and field interventions.

By linking maintenance workflows to real-time asset data, Atlas Activities provides complete visibility into asset history, work performed, approvals, supporting documentation, and compliance records. This integrated approach helps operators **improve maintenance efficiency, simplify audits, reduce administrative overhead, and ensure critical infrastructure remains reliable throughout its lifecycle.**

POWER USAGE OPTIMIZATION

Atlas supports companies in meeting their Power Usage Effectiveness (PUE) objectives by delivering clear insights into energy consumption and efficiency. By continuously monitoring power and cooling systems, Atlas helps identify energy losses, optimize resource usage, and cut unnecessary costs.



KEY MARKET SECTORS

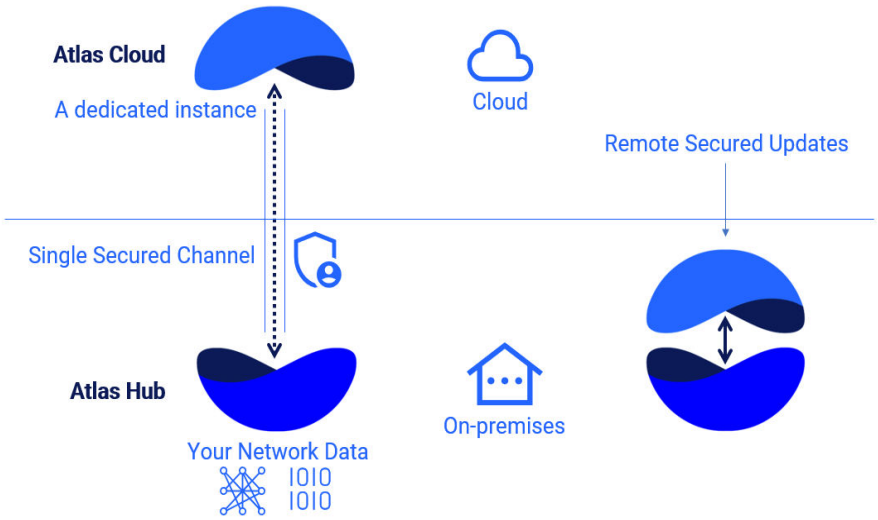
TELECOMMUNICATIONS

POWER UTILITIES

RAILWAYS

CATV/BROADBAND

ARCHITECTURE



TECHNICAL REQUIREMENTS

SOFTWARE REQUIREMENTS

OS	Linux (Ubuntu 24.04 or Debian 11 recommended)
Application	Docker 28 + with Compose Module

VM/SERVER REQUIREMENTS

This is a basic requirements baseline for deploying Atlas On-Premise. The exact requirements will vary based on the number of data points and the expected polling rate performance. We recommentd using a VM/server that can be upgraded later on.

CPU	16 cores
Memory (RAM)	32GB
Disk Space (SSD-NVME)	500GB

COMMUNICATION

Ports	80 (HTTP), 443 (HTTPS), 161 (SNMP), 502 (Modbus TCP/IP), 8883 (MQTT), 61 000 to 64 000 (Passthrough)

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