Site Intelligence For TowerCos

Unified Operational Intelligence for Distributed Infrastructure

The Challenge

TowerCos and Managed Infrastructure Providers operate geographically dispersed sites spanning multiple operational domains. These include power systems, backup energy infrastructure, environmental and thermal systems, security systems, and other site infrastructure.

Maintaining visibility across these domains often requires multiple monitoring tools, vendor-specific management systems, and disconnected workflows that increase complexity, delay problem resolution, and drive up operating costs.

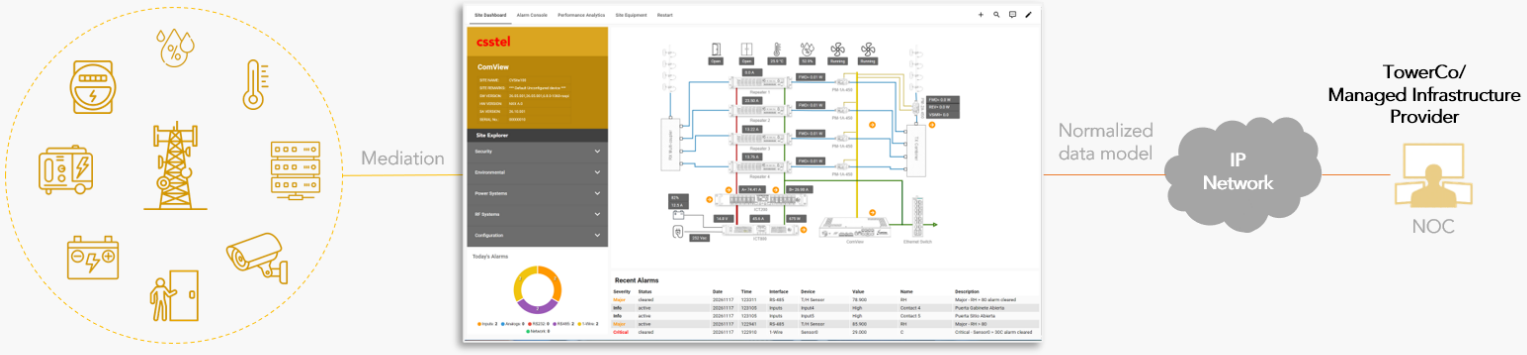
This creates significant challenges:

- **Fragmented Visibility** – Critical infrastructure domains operate in separate systems with limited operational correlation
- **Rising OPEX** – Multiple monitoring tools, truck rolls, fuel expenses, and maintenance activities increase operational overhead and reduce efficiency
- **Reactive Operations** – Limited visibility across infrastructure domains makes it difficult to identify developing issues before they become service-impacting events
- **Operational Complexity** – Managing diverse vendors, technologies, and site requirements complicates operations and slows problem resolution
- **SLA Pressure** – Tenant and customer expectations demand faster response times, improved reliability, and greater operational accountability

Operations teams need a platform that consolidates intelligence across every infrastructure domain, simplifies day-to-day operations, and improves visibility, efficiency, and service reliability.

The ComView Solution — One Platform For Every Critical Infrastructure Site

ComView provides a unified operational intelligence platform that delivers real-time visibility across every infrastructure domain. Interactive site dashboard, alarm console, equipment explorer, and performance analytics provide immediate situational awareness, helping operations teams identify issues faster, correlate events, visualize trends, and make more informed operational decisions.



Unified Infrastructure Visibility
Consolidate alarms, analytics, performance data, and operational status across multiple infrastructure domains into a single operational view

Real-Time Operational Intelligence
Interactive dashboard, alarm console, equipment explorer, and performance analytics provide immediate situational awareness across every site

Data Mediation & Normalization
Collect, mediate, and normalize data from diverse multi-vendor systems into a consistent operational model for analytics, reporting, integration, and workflow automation

NOC & OSS Integration
Easily integrate with existing NOCs, OSS platforms, enterprise systems, and cloud services using MQTT, REST/HTTP APIs, SNMP, and CSV-formatted data

Edge Computing
Perform onsite data processing, visualization, and alarm management through local dashboard, alarm console, and analytics to provide deeper site-level visibility and reduce dependency on centralized NOC platforms

Adaptive & Extensible Platform
Adapt to evolving site requirements through a modular architecture, flexible integration, and site-specific customization that scales as operational requirements evolve

The Results — Lower OPEX. Improved Reliability. Greater Operational Visibility.

By consolidating infrastructure operations into a single platform, TowerCos and Managed Infrastructure Providers gain:

- Reduced truck rolls through improved remote visibility, diagnostics, and site-level intelligence
- Simplified integration of multi-vendor infrastructure through data mediation and normalization
- Lower operating costs through monitoring consolidation, workflow simplification, and operational automation
- Greater operational awareness through unified dashboards, analytics, and infrastructure correlation
- Improved site availability through faster fault detection, response, and resolution
- Improved SLA performance through faster issue identification and more proactive operations
- A flexible operational foundation that adapts as infrastructure portfolios and business requirements evolve

ComView transforms distributed infrastructure into actionable operational intelligence, enabling TowerCos and Managed Infrastructure Providers to improve site availability, reduce OPEX, simplify operations, and strengthen operational visibility across distributed infrastructure portfolios.

Who It's For

This solution is designed for:

- TowerCos
- Managed Infrastructure Providers
- Telecom Infrastructure Operators
- Third-Party Site Management Organizations
- Operations Teams responsible for site availability and infrastructure performance