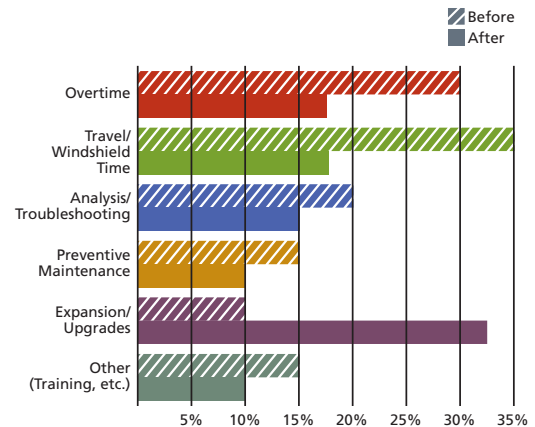


Optima® Site Solutions

The Kentrox product line features Optima Site Solutions – the most comprehensive site management offering on the market today. With network complexity growing and existing models for network site management creating increased operating costs, customers are looking for solutions to help take control of their site management process. Optima Site Solutions is designed to help automate site management while dramatically reducing operating expenses and improving network quality, ultimately resulting in higher customer satisfaction.

Complete site management

With Optima Site Solutions, network operators can proactively monitor and manage all critical site elements remotely, including security and power systems, environmental equipment and conditions, local loop equipment, radios, antennas, and backhaul circuits, regardless of technology or manufacturer.



Before and after Optima: network operator savings



Optima Site Solution regional map

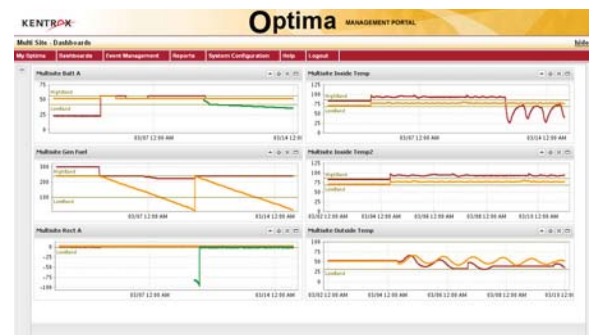
Optima Site Solutions provides a 360° view of all remote sites in your network, placing powerful tools in the hands of key operations personnel: field technicians, network operations center (NOC) staff, and senior level management. Optima provides customizable, web-based dashboards and GIS maps that allow operators to collect, store, present, and manage a combination of real-time and historical fault, performance, and configuration data without having to physically visit the remote site.

Proactive performance management

By proactively monitoring and managing the performance of network elements with Optima Site Solutions, operators can improve the efficiency and operation of network equipment, reducing site problems and network outages. Preventive maintenance can be automated, and required onsite maintenance can be scheduled and combined with other local site visits rather than dispatched on an emergency basis.

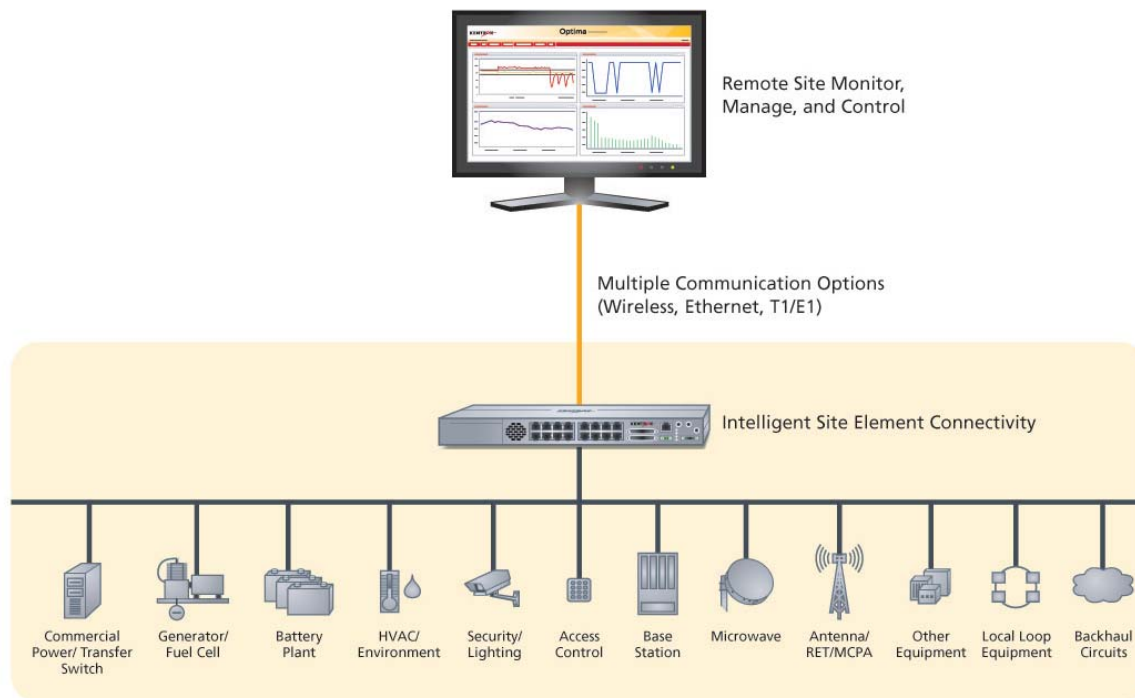
Optima Site Solutions deliver the most comprehensive site management on the market today. The solutions enable network operators to:

- Reduce operating expenses by minimizing truck rolls and improving technician diagnostic and repair efficiency
- Increase network availability by reducing repair time and proactively resolving potential outages
- Enhance the customer experience by improving network quality and availability



Optima Site Solution dashboard

Optima Site Solutions



Overview of the Optima solution for site management.

Reduce operating costs and improve availability

Optima Site Solutions provide technicians with the ability to monitor and control site problems remotely, without expensive truck rolls. Technicians are more efficient and productive in dealing with site issues, thereby significantly reducing repair time and maintenance-related operating expenses. Instant problem detection, diagnosis, and remote repair capability will lead to immediate correction of common site conditions. Degrading conditions can be detected and repaired before service is affected or an outage occurs, resulting in reduced repair time, improved network availability, and a superior customer experience.

Reduce energy usage and your carbon footprint

Today, most companies are looking for ways to reduce energy consumption - to save money and lower their carbon footprint. Using Optima Site Solutions to monitor remote network locations can help reduce energy usage by cutting technician travel time and improving equipment efficiency. Optima's remote monitoring and troubleshooting capabilities reduce or eliminate diagnostic site visits. Maintenance and repairs can often be done remotely, without an expensive truck roll. Proactive performance management helps operators ensure that energy-consuming equipment, such as air conditioning and generators, run more efficiently.

Manage hybrid power effectively

Managing power effectively, whether from commercial service or hybrid alternatives, ensures network availability that today's customers demand. Optima Site Solutions provides a comprehensive power management solution that reduces the need for physical site visits and enables structured and routine preven-

tative maintenance – managed remotely. Remote monitoring and management of power and energy can reduce a company's carbon footprint, manage hybrid power sources, and increase energy efficiency with the ultimate goal of reducing operational costs and environmental impact.

Improve site security

Site security has gained importance for remote sites due to theft of items such as copper, aluminum, pipes, and now fuel. Safety concerns are also increasing because of weather and technician visits to unfriendly areas. Optima Site Solutions monitor activity, notify personnel, and enable remote diagnostics when problems occur at a site. Kentrox also manages third party security issues such as fuel delivery and ensures suppliers deliver what is expected.

Optima Site Solution products

Optima

Optima gives network operators a comprehensive view and control of network infrastructure sites. The management system provides preventative maintenance tools to help identify issues before they occur. It also provides performance reporting to enable operators to view trending and availability of their networks. Truck rolls can be eliminated because of the remote access, diagnostics, and control capabilities.

Remote

The Remote family of products provide monitoring and control for IP management to sites and equipment. Remote provides site alarm monitoring, protocol conversion, and equipment connectivity and acts as an intelligent extension of your Operations Support Systems (OSS).

For more information, visit www.kentrox.com, email info@kentrox.com, or call 800-733-5511 (US), +1 614-798-2000 (outside US).