



Wayside Health



Effectively managing disparate wayside systems is essential for the efficient operation of a rail network. Willowglen System's Wayside Health Monitoring System (WHMS) is a robust, feature-rich hardware and software platform that seamlessly integrates wayside systems and enables the remote collection of operational data, ultimately improving operations and enhancing safety. Tasks that periodically required on-site data collection are now accomplished in real-time using the WHMS solution.

Reduced Wayside Maintenance

Wayside data that until now was only available by visiting each bungalow site and directly connecting to individual devices is now remotely viewable in real-time from anywhere on Earth. The WHMS solution includes a suite of alarm management and reporting tools to realize the full potential of a network's wayside systems and devices. Not only does this severely reduce truck roll, but enables maintenance prioritization, which in turn reduces emergency call outs and crew overtime.

Unified Integration Hub

Leveraging a 45-year history of industrial automation experience, Willowglen's WHMS pairs the reliability of our bungalow-ready Unisen Rail devices with the power of our SCADACOM back-office control system. Through a library of communication protocols and application interfaces, the WHMS seamlessly integrates independent wayside systems into a single monitoring, control, reporting, data archiving, and data analysis system. By unifying data management into a centralized hub, "islands of control" are eliminated and your organization achieves immediate access to critical, real-time data.

Ensured ROI

Through a digital, serial, or hard-wired connection, Unisen Rail can integrate with any legacy, current, or future wayside device. WHMS is compatible with technology from a wide variety of industry vendors, translating to significant cost savings by continuing to use existing field equipment, reducing upgrade pressure, and maximizing competitive procurement opportunities. Furthermore, as your network expands as new systems are added, operational changes are nominal, resulting in cost savings due to reduced ramp-up and training time.

Increased Safety

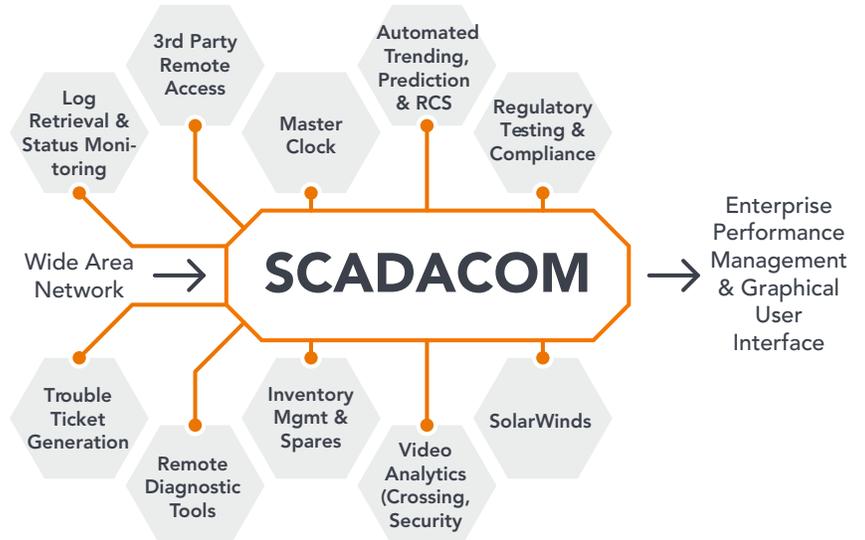
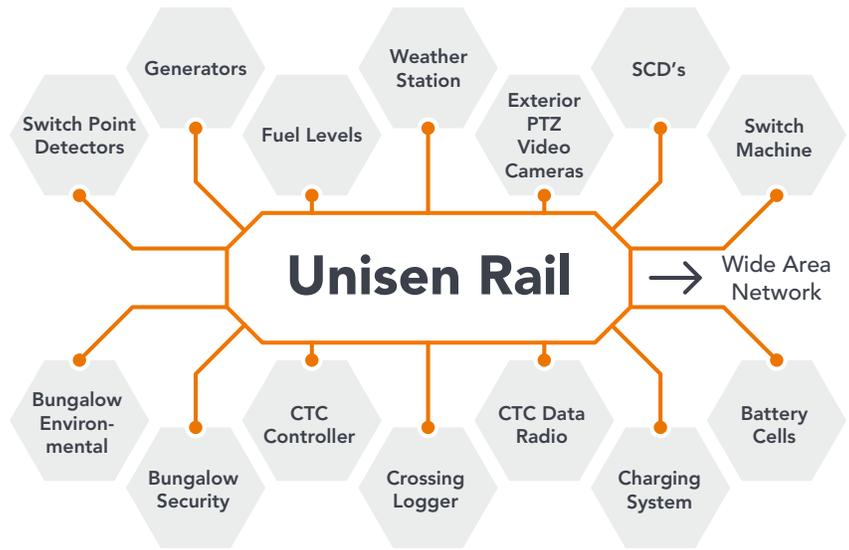
Field workers, managers, and safety auditors now have real-time visibility on your network's wayside system status via the SCADACOM back-office platform and email or SMS alarms. This comprehensive situational awareness enabled by advanced alarm management is your first line of defense in ensuring the health of wayside equipment, and your rail network. Utilizing robust reporting, your operational teams can filter and drill down into problem areas, accelerate resolution, reduce unsafe situations, and prevent costly solutions due to reactionary measures.

Wayside Health

Unified Integration Hub



Unisen Rail



Solution-Based Features

- Unparalleled platform adaptability
- Flexible and scalable architecture
- On-site Unisen Rail data aggregator supports +2,000 I/O pts
- Back-office SCADACOM system supports +1,000,000 data points
- SCADACOM aligns with ISO 27001 and IEC 62443 cyber-security standards and best practices
- Ease of deployment; extremely low unit maintenance
- Optional headless operations utilizing SMS and email alerts
- AREMA compliant
- Vendor agnostic, customizable integration of wayside monitoring devices

Please contact us at
sales@willowglensystems.com
 Phone: +1.780.465.1530