WILLOWGLEN SYSTEMS

Total SCADA Solutions
for the Oil & Gas Industry

*Innovative Solutions for the World's
Most Difficult Automation Challenges*

SCADACOM Pipeline

SCADACOM® is a preferred enterprise solution for mission critical applications. Over our 40 years of operation, we have captured industry best practices and developed a true operator centric approach to our SCADA solution. Our powerful real-time monitoring control solution is accompanied by unparalleled technical support and delivered in a cost-effective pricing model.

Putting Operators First

SCADACOM use a Human Factors-based approach to create an operator experience that reduces fatigue, burnout, and errors. All subsystems are inter-aware to enable a unified approach to control and automation. State-of-the-art alarm management is embedded into systems including schematic displays for rapid recognition and response of abnormal events.

Control your Complex Environment

Operators manage all aspects of the system from a single integrated graphical interface. Areas of responsibility are defined to route information and events to the relevant operator console. Role-based authority ensures approvals appropriate for specific levels of control.

SCADACOM's Shift Handover module ensures inter-shift continuity of operational issues by capturing critical information throughout a shift and reviewing it at handover. A fully integrated electronic logbook captures this shift information for future reference. Operation teams maintain full situational awareness resulting in a reduction of incidents, improved safety records, and operational efficiency. In addition, SCADACOM's Training and Operations Emulator uses production screens to train operators, ensuring operator competency.

SCADACOM's Management of Change (MoC) environment provides a safe and consequence-free way to test changes to your system before they are applied to the production environment. Changes are first applied in the MoC to identify and resolve any potential issues. Using the MoC prevents unexpected problems on the primary production network and subsequently reduces your risk of downtime.

Simplicity, Power & Flexibility

SCADACOM is designed to allow your users to deploy systems quickly. A wide range of communication protocols are provided to support third-party devices and software. The system is extremely customizable allowing non-standard screens, dynamic objects for tailored support, and even the ability to write C++ code for specialized functionality, ensuring that SCADACOM can adapt to diverse customer requirements.

Built-In Analyst Support

SCADACOM's Automated Review Module aids post-event investigation with full graphical operator visualization. A built-in alarm management suite provides a visual analysis of historical alarms by severity, frequency, and other ISA 18.2 aligned metrics to quickly identify where key improvements can be made to the alarm system. Additionally, SCADACOM provides customizable reporting tools, data trending, full search, data export to Excel, and other analytical features.

Management Assurance

System administration and management staff can access the live system in a safe read-only mode from anywhere in the world with zero impact on the production environment. Robust reporting, customizable event screens, and data interrogation ensures real-time knowledge at the appropriate granularity. Seamless interfaces allow real-time data import/ export to third-party systems.

Scales With You

SCADACOM has innate architectural flexibility. This level of flexibility ensures there are no "glass ceilings" impeding your future expansion. Out-of-the-box, the system supports over 1,000,000 data points. The solution's powerful n-way architecture allows the easy addition of extra network equipment on a live network without requiring downtime, providing complete operational redundancy, and supporting business growth. SCADACOM has incremental data backup and archival guaranteeing your data is preserved for decades to come.

A World of Pipeline Experience

Founded in 1971 and headquartered in Canada, Willowglen's mission is to provide innovative industrial automation solutions to a global marketplace. Willowglen's technologies are currently in operation on diverse projects throughout North America, Middle East, and Asia.

SCADACOM offers best-in-industry advantages, including:

- Field-proven reliability and n-way fault tolerance
- Customizable, modular architecture for maximum flexibility
- User-friendly operations and process workflow
- Seamless interface to leak detection, historians, and other systems

- Comprehensive communication protocol framework
- Intuitive Human Factors design
- Superior situational awareness
- Electrical flow path visualization
- Defense-in-depth cyber-security
- Feature-rich suite of analytical tools

- Enhanced field worker safety
- Integrated high-performance database designed for SCADA
- Native operator training support, electronic log books, and shift change management
- Industrial Internet of Things (IIoT) ready

If you'd like a SCADACOM demonstration
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