

From Complexity to Clarity:



How Spire Energy Modernized SCADA for Compliance, Control, and Growth



The Challenge: Fragmented SCADA and Compliance Pressure

Spire was managing five independent SCADA systems across different operating companies. Each had its own screens, logic, data sources, and user workflows—making training, support, and compliance reporting increasingly difficult. The manual effort to create audit trails and validate data was time-consuming and resource-intensive.

Overview :

Spire Energy, a leading natural gas utility, faced the growing complexity of managing multiple SCADA systems across its operations. With increased regulatory pressure, aging platforms, and the need for real-time visibility, Spire chose to consolidate five SCADA environments into one—modernizing with EcoStruxure™ Geo SCADA Expert by Schneider Electric, integrated and supported by AUTOSOL.

About Spire Energy:

Spire Energy serves over 1.7 million customers across the Midwest and Gulf Coast. Their pipeline and distribution operations span multiple regions and regulatory jurisdictions, requiring high levels of system reliability, data accuracy, and compliance readiness.

The Approach: Choosing Geo SCADA + AUTOSOL

To address these challenges, Spire selected Geo SCADA for its modern architecture, mapping tools, and scalability. They partnered with AUTOSOL for system integration, data acquisition, and long-term support.

AUTOSOL's ACM software was used to integrate real-time and historical data from field devices across all five legacy systems. Spire also implemented a new SCADA ticketing system and a standardized HMI environment.

Why AUTOSOL: AUTOSOL's extensive expertise in SCADA integration and data acquisition made us the ideal choice. By leveraging our ACM software and long-term support services, we enabled Spire to seamlessly integrate real-time and historical data from legacy systems into EcoStruxure™ Geo SCADA Expert—without disrupting field operations.

"We were using outdated ticketing processes, and there was no consistent way to manage alarms, graphics, or control room handoffs." - Kimble Grafton, Manager of SCADA System Control

"We knew we didn't want a black-box solution. With AUTOSOL and Geo SCADA, we built a system that's fully ours—transparent, adaptable, and future-ready." - Alex Grewach, Director of Gas Control.

See Reverse Side
for Project Details

Questions? Contact us.

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"We were very intentional about building a system that was intuitive for our team—because if it's not usable, it doesn't matter how powerful it is." - Kimble Grafton, Manager of SCADA System Control at Spire Energy

"Spire brought clear goals and a collaborative mindset. Our role was to make sure the technology delivered the clarity and control they envisioned." - Aaron Osburn, Lead Engineer of SCADA and Engineering at AUTOSOL

Implementation Journey

The project followed a phased approach:

- Discovery and Planning — Mapping system architecture and operator needs
- Design and Integration — Developing standardized screens, alarm logic, and ACM polling routes
- Testing and Training — Involving control room staff in validation and feedback
- Go-Live and Support — A staged cutover with ongoing support from AUTOSOL's North American team

Results: Simpler Operations and Stronger Compliance

- Consolidation from 5 SCADA systems to 1
- Unified alarm management and HMI screens across regions
- Improved audit readiness and reporting confidence
- Reduced training time for new operators
- Empowered internal teams to manage and evolve the system

Lessons Learned and Advice for Others

- Engage the control room early and often
- Don't underestimate the value of system ownership
- Choose partners who understand your operational environment
- Build with flexibility—your needs will evolve

Looking Ahead

Spire is now positioned to expand their system with edge and IIoT capabilities. Their standardized environment gives them a strong foundation to integrate new technologies without disruption.

Partner Perspective: AUTOSOL supported Spire with:

- System architecture and configuration
- ACM deployment and device polling
- HMI development and alarm management
- Testing, training, and go-live support

"Our operators love the consistency, and our compliance folks love that we can produce audit trails without hunting for data." - Alex Grewach, Director of Gas Control

Want to Learn More?

Visit autosoln.com or contact us for details about SCADA modernization and real-time data integration for midstream and utility operations.

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