SPARTAN CONTROLS

Experience Industrial Innovation



Secure & Stable Operations

Reduce Risk. Improve Reliability. Operate with Confidence.

Helping industrial operators reduce downtime, cyber risk, and operational uncertainty.

spartancontrols.com

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SPARTAN CONTROLS

Industrial facilities depend on secure, stable operations to run safely, efficiently, and predictably. Spartan Controls helps plants strengthen security, improve visibility, and enhance performance through modernization, cybersecurity, data infrastructure, and advanced process control solutions.

Trusted by operators across oil & gas, mining, power, utilities and process industries to improve reliability, cybersecurity and operational performance.

TODAY'S OPERATIONAL CHALLENGES

Industrial organizations face increasing pressure to:

- **Reduce** unplanned downtime
- **Protect** critical OT systems from cyber threats
- **Operate** aging infrastructure reliably
- **Improve** visibility and access to trusted operational data
- **Enhance** operator effectiveness and decision-making
- **Maintain** production while modernizing systems

Without a strategic approach, these challenges can increase risk, reduce productivity, and impact profitability.

What Secure & Stable Operations Deliver

Fewer unplanned shutdowns

Reduce control-system failures and production interruptions.

Reduced OT cyber exposure

Strengthen security without disrupting production.

Predictable performance

Improve safety, control, and asset management consistency.

Confidence in aging infrastructure

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Without a strategic approach, operational challenges can increase risk, disrupt production, and impact profitability.

Six Core Areas of Secure & Stable Operations

Industrial facilities face increasing pressure to improve reliability, strengthen cybersecurity, extend asset life, and maintain performance with fewer resources. Spartan Controls delivers practical solutions across six critical operational disciplines to help reduce risk, improve visibility, and support long-term operational excellence.

1. CONTROL SYSTEM MODERNIZATION



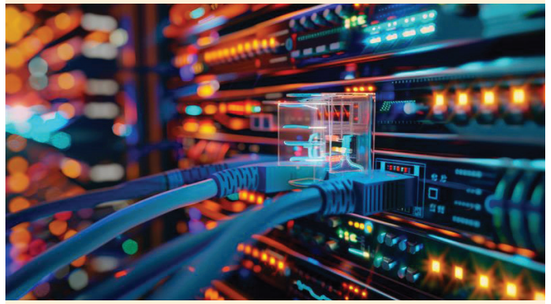
Challenge
Aging control systems increase downtime risk, limit visibility, and become more difficult to support, creating operational and lifecycle challenges.

Solution
Spartan develops phased modernization roadmaps and executes migrations that minimize disruption while upgrading DCS, PLC, and SCADA systems.

Value

- ✓ Reduce downtime and improve system availability
- ✓ Strengthen cyber resilience
- ✓ Easier maintenance and support
- ✓ A future-ready automation platform

2. OT CYBERSECURITY



Challenge
Increased connectivity, remote access requirements, and evolving cyber threats create new vulnerabilities across industrial environments.

Solution
Spartan helps assess, secure, monitor, and govern OT infrastructure through cybersecurity assessments, architecture reviews, remote access solutions, and security programs.

Value

- ✓ Reduced cyber risk exposure
- ✓ Improved network visibility
- ✓ Greater confidence in compliance efforts
- ✓ More secure access to critical systems

Secure & Stable Operations

SPARTAN CONTROLS

A structured approach to improving reliability, reducing risk, and optimizing performance across people, processes, and technology.

3. ADVANCED PROCESS CONTROL



Challenge

Process variability, changing operating conditions, and manual intervention can limit production performance and efficiency.

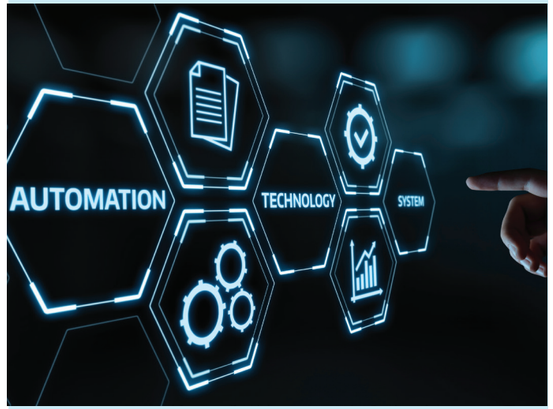
Solution.

Advanced Process Control technologies continuously optimize operating conditions to maintain stable and efficient performance.

Value

- ✓ Increased throughput
- ✓ Reduced variability
- ✓ Improved energy efficiency
- ✓ More consistent product quality

4. OPERATOR PERFORMANCE



Challenge

Operators face increasing volumes of information, alarms, and operational complexity, making it difficult to respond effectively during critical situations.

Solution

Spartan improves alarm management, situational awareness, operator interfaces, and decision support systems to enhance operator effectiveness.

Value

- ✓ Reduced alarm fatigue
- ✓ Faster response to abnormal situations
- ✓ Improved operational consistency
- ✓ Safer plant operations

5. SECURE DATA INTEGRATION



Challenge

Operational data is often trapped in disconnected systems, spreadsheets, and isolated applications, limiting visibility and decision-making.

Solution

Spartan integrates operational and business data to create a secure, trusted foundation for visibility, decision-making, and operational performance.

Value

- ✓ Trusted operational insights
- ✓ Reduced manual reporting
- ✓ Better business decisions
- ✓ Foundation for AI and analytics initiatives

6. CONTROL FOUNDATIONS



Challenge

Poorly maintained control systems, inconsistent standards, and outdated configurations can introduce operational risk and reduce performance.

Solution

Spartan evaluates and improves core control system health, standards, alarm strategies, documentation, configuration management, and governance.

Value

- ✓ Increased system stability
- ✓ Improved maintainability
- ✓ Reduced operational risk
- ✓ Stronger long-term performance

Solution Spotlight: Inmation™

Turn Industrial Data into Operational Intelligence

Reliable operations depend on reliable information.

Many industrial organizations struggle with disconnected control systems, multiple historians, spreadsheets, and siloed applications that make it difficult to access trusted operational data. As a result, teams spend valuable time gathering information instead of acting on it.

Spartan Controls helps organizations establish a secure, scalable data foundation using inmation™, an industrial data infrastructure platform that connects operational and business systems while providing contextualized, trusted information across the enterprise.

By breaking down data silos and making information accessible in real time, inmation empowers operations, maintenance, engineering, reliability, and leadership teams to make faster, more informed decisions.

What Inmation Delivers

- Unified access to operational data across the enterprise
- Trusted, contextualized information for better decision-making
- Reduced manual reporting & spreadsheet-based workflows
- Improved visibility across operations, maintenance, and reliability teams
- Secure integration between OT and IT systems
- A scalable foundation for AI, analytics, and digital transformation

Benefits of Inmation™

inmation
integration unlimited

Connect

Integrate data from historians, SCADA systems, DCS platforms, PLCs, ERP systems, CMMS applications, and other business systems.

Contextualize

Transform raw operational data into meaningful information that can be used across the organization.

Standardize

Create a common data framework that improves consistency, governance, and accessibility.

Visualize

Deliver trusted information to the right people through dashboards, analytics tools, and applications.

Scale

Support enterprise-wide digital initiatives without requiring replacement of existing systems.

Enable AI

Provide the clean, governed operational data foundation needed for advanced analytics, machine learning, and AI applications.

Secure operations require trusted data

Inmation helps industrial organizations transform fragmented operational information into a secure, scalable foundation for reliability improvement, performance optimization, digital transformation, and future AI initiatives.



WHEN TO ENGAGE SPARTAN

- Operational data resides across multiple disconnected systems.
- Teams spend excessive time gathering, validating, and reconciling data.
- Business and operational systems are not integrated.
- Executives lack visibility into operational performance.
- Reliability and maintenance teams require better access to trusted data.
- AI, advanced analytics, or digital transformation initiatives are being considered.
- Existing historians and data infrastructure have become difficult to scale.

Real Results. Measurable Impact.

SPARTAN CONTROLS

$30M Annual Value Unlocked Through Advanced Process Control

A gold mining operation deployed advanced process control to stabilize a grinding circuit and reduce the impact of ore variability.



Learn More

▶ Result:

- Increased throughput by **8%**, generating **~$30M in annual value**
- Reduced mill overload events and trips by **more than 95%**
- Lowered mill load variability by **75%**, improving process stability

$900,000 Annual Savings Through Alarm Management

By prioritizing and optimizing alarms, operators were able to respond more effectively to process disturbances.



Learn More

▶ Result:

- Enabled operators to focus on the alarms that matter most
- Reduced alarm-related interruptions and process inefficiencies
- Generated **$900,000 in annual savings**

50% Reduction in Nuisance Alarms

A structured alarm rationalization initiative eliminated unnecessary alarms and improved focus on critical events.



Learn More

▶ Result:

- Improved focus on high-priority process events
- Accelerated operator response during process upsets
- Minimized downtime and operational distractions

Modernized a Legacy DCS Without Interrupting Operations

A facility successfully upgraded its control system while continuing normal plant operations.



Learn More

▶ Result:

- Avoided costly production interruptions during migration
- Extended the lifecycle of critical control infrastructure
- Reduced long-term support and cybersecurity risk

Take the next step to secure your operations, strengthen reliability, & reduce risk.

Scan the QR code to Talk to a Spartan Specialist

Book a Call

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