



eXPert SCADA

Total Control. Ultimate Flexibility. Powered by SDI.

Unlock the Power of Industrial Supervision and Control

eXPert SCADA delivers secure, real-time supervision and control with powerful modularity and full protocol interoperability. Its scalable architecture adapts seamlessly from small installations to large, distributed infrastructures, ensuring system growth without expensive replacements.

Its award-winning HMI oE interface offers an intuitive user experience across desktop, web, and mobile platforms, while the integrated Engineering Station empowers rapid and centralized configuration.

Developed in alignment with CyberSecurity-Ready Architectures and the Purdue Model, eXPert SCADA ensures robust protection and operational resilience across all system levels.

Virtualization-ready and disaster-resilient by design, eXPert SCADA keeps your operations running smoothly under any condition. With high availability, real-time intelligence, and future-ready scalability, it's your ultimate partner for secure and efficient digital supervision.

eXPert Ecosystem

eXPert is SDI's powerful and modular hardware and software Ecosystem, designed to supervise, control, and remotely manage critical processes and infrastructures across oil & gas, renewables, power generation and distribution, public utilities, water, and transport sectors.

The core of your automation: real-time database, alarms, logs, and orchestration — seamlessly synchronized.

Stay seamlessly connected. Our native modules support all major industrial protocols — from Modbus to OPC UA — continuously enhanced through SDI's in-house innovation

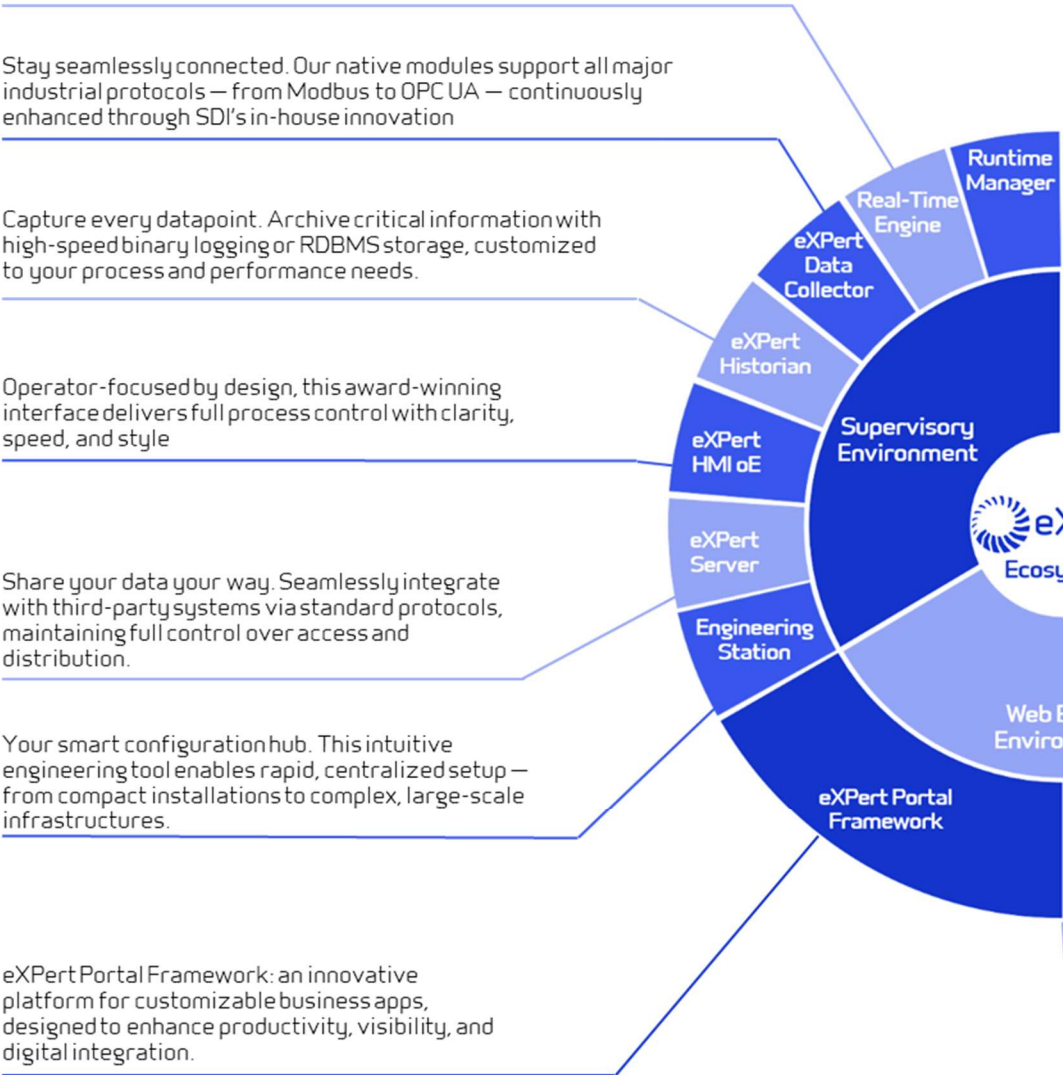
Capture every datapoint. Archive critical information with high-speed binary logging or RDBMS storage, customized to your process and performance needs.

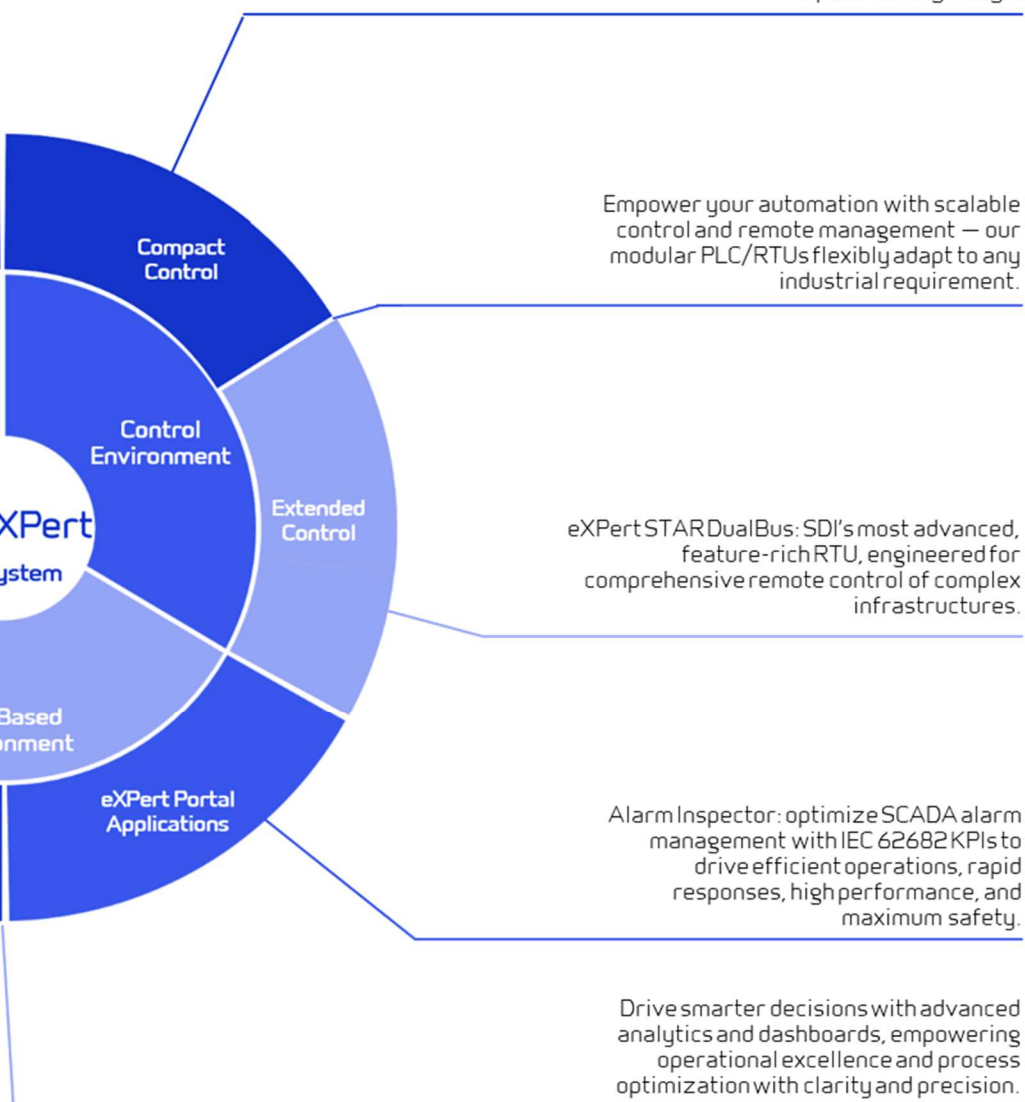
Operator-focused by design, this award-winning interface delivers full process control with clarity, speed, and style

Share your data your way. Seamlessly integrate with third-party systems via standard protocols, maintaining full control over access and distribution.

Your smart configuration hub. This intuitive engineering tool enables rapid, centralized setup — from compact installations to complex, large-scale infrastructures.

eXPert Portal Framework: an innovative platform for customizable business apps, designed to enhance productivity, visibility, and digital integration.





Why Choose eXPert SCADA



Intuitive Interface
for fast and error-free operations



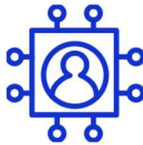
Advanced Cybersecurity
safeguarding your assets



Business Continuity
even under critical conditions



Lower Operating Costs
through efficient system management



Future-Proof Scalability
for evolving operational needs



Tailored System Customization
to meet your unique requirements

Key Benefits



High availability and security

Advanced redundancy management and cybersecurity features ensure continuous operation and data integrity.



Flexible scalability

Modular design supports up to 1.5 million tags with multi-level, geographically distributed configurations.



Virtualization Ready

Supports separate physical machines or virtualized environments, optimizing resource use and enabling efficient disaster recovery.



Full connectivity

Integrates telephone, LAN, WAN, wireless, and cloud networks for seamless communication.



Advanced interoperability

Interfaces with RTUs and third-party systems using standard protocols (IEC 870-5-101/104, IEC 61850, MODBUS, OPC UA, DNP3).



Award-Winning HMI oE

IF DESIGN AWARD 2021, offering flexible visualization on high-resolution video walls, desktop, web, and mobile devices.



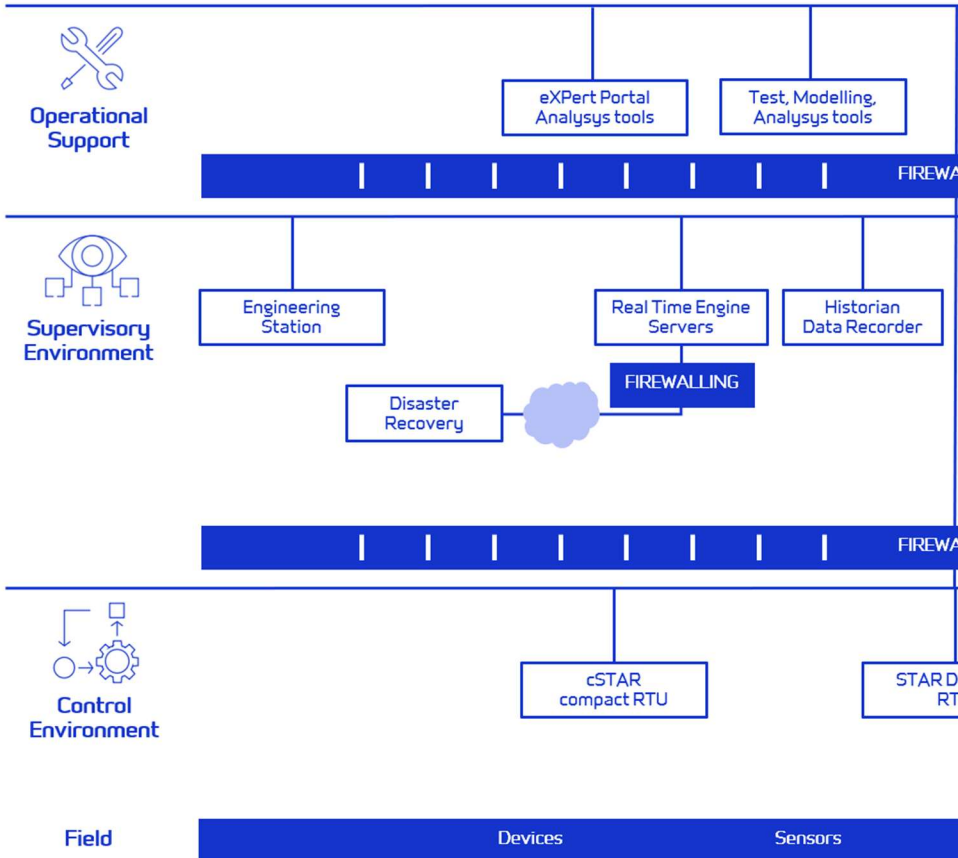
Smart Configuration Tools

eXPert Engineering Station for rapid, centralized customization, suitable for any scale.

Cybersecurity-Ready Architecture

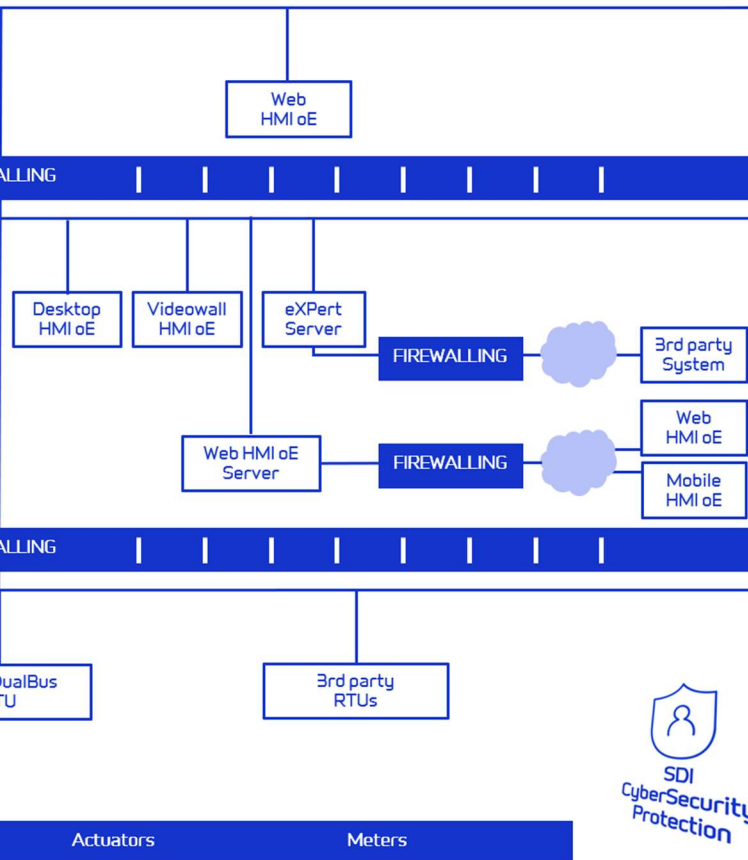


eXPert SCADA is built to comply with major international standards such as ISO 27001, the Cyber Resilience Act (Europe), and NIST (USA). Our cybersecurity policies cover both application and architectural levels, ensuring safe, segmented infrastructures and total compliance worldwide.





The SDI product supplies are developed in collaboration with customers, adopting CyberSecurity policies at the application and architectural levels that are based on risk assessment and take into account the Regulations and Directives in force in the country hosting the supervised and controlled system—such as ISO 27001 and the recently adopted Cyber Resilience Act in Europe, along with other international and local CyberSecurity Laws and National Plans.



Since 1973, SDI has been the Italian leading company in industrial automation, supervision, control, and remote management of critical infrastructure

We develop, build, and deliver complete DCS and SCADA systems, as well as specialized application equipment, serving leading players in the energy, utilities, water, and transport sectors. Our expertise extends across Europe and international markets, collaborating with major clients such as ENI, SNAM, and ENEL Green Power.

Flexibility & Integration: Custom solutions tailored to every operational need.

Proven Reliability: Hundreds of field applications across energy, utilities, and transport.

Continuous Innovation: Investing daily to improve and evolve our offerings.

Valuable Data Everywhere: Access critical insights on any device, anytime.



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