



Securing Actionable Insights from The Edge

Zero Trust IT/OT AI Operational Intelligence





Trusted OT Data Everywhere. Secure AI.
Smarter Operations.



Innovative Solutions & Outcomes



Persistent Protection

End-to-end encryption for data in transit and at rest. Total protection across edge, databases, and data lakes. Zero Trust policy enforced at the data level.



AI Data Loss Prevention

Empower safe AI for real-time decision making. The system actively scans prompts, queries, and AI-generated outputs to prevent data leakage.



Plug & Play Compliance

Achieve immediate cyber compliance for major frameworks including CRA, NIST 800-82, Zero Trust, IEC 62443, and CIS 2 using the PLCnext gateway.



The Industrial Transformation Challenge

The Industrial Transformation Challenge

Optimize operations without compromising security.

The challenge is no longer simply securing the OT network.

It is securing the data generated by every machine, PLC, sensor, application, database, data lake, and AI interaction.

Mission Challenges

Vulnerable Perimeters

Secure OT and IoT data across increasingly distributed assets.

Operational Waste

Reduce costly site visits, contractor dispatches, and manual diagnostics.

AI Risk

Harness AI without exposing proprietary operational data.

Regulatory Friction

Modernize infrastructure while satisfying cybersecurity and compliance mandates.

IT/OT AI Operational Intelligence

Open Industrial Automation. Trusted Data Everywhere.

PLCnext delivers the open industrial automation platform.

XQ secures every piece of operational data with Zero Trust-compliant protection from the PLC to the cloud—delivering trusted operational intelligence.

Together, they create a secure foundation for:

Industry 4.0 + Industrial IoT + AI

without compromising control of operational data.

Persistent Protection

XQ provides persistent protection across the data lifecycle:

- End-to-end encryption
- Protection in transit
- Protection at rest
- Data-level controls
- Policy enforcement throughout the data lifecycle
- Cryptographic protection independent of network location

Result

Operational data remains protected wherever it travels.

The Better-Together Architecture

Phoenix Contact PLCnext

Connect. Compute. Control.

- Open industrial automation platform
- PLC and edge computing
- Industrial IoT connectivity
- Real-time operational data
- Open APIs and applications
- Cloud and enterprise integration

XQ

Protect. Govern. Trust.

- Zero Trust data protection
- End-to-end encryption
- Data classification
- Granular access control
- Policy enforcement
- Data sovereignty
- AI DLP
- Auditability

Together

PLCnext controls the operation.

XQ controls the trustworthiness of the data.



Enterprise
Data
Governance



Data Catalog
Risk
Alignment



Data Labeling
and Tagging



Data Access
Control



Data
Monitoring
and Sensing



Data Loss
Prevention



Data Encryption and
Rights Management

XQ Capabilities

Zero

Trust Data

Pillars

Data Provenance for Every Data Object



XQ is data-centric and cost effective replacement for traditional DLP

Object-Level Precision Defense

1. Labels & Categorization
2. Individual Encryption Key
3. Data ABAC
4. IDP ABAC
5. Role-Based Access
6. Geography-Based Access
7. Chain of Custody
8. Remote Data Control

Data is not a byproduct of zero trust—
it is a primary control surface.

OT Zero Trust Data Security and Governance

1. PLCnext with Integrated XQ Secure Stack:
Out-of-the-Box NIST 800-82 & ZT Compliance

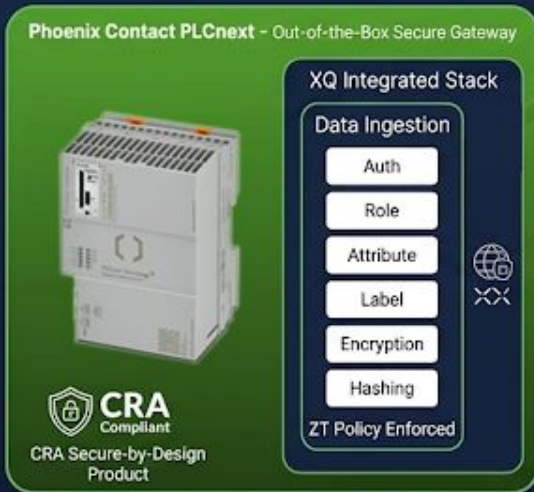
2. Secure Data Leash across Unprotected Networks
CRA End-to-End Encryption, NIST Key Controls

3. Compliant AI Inference with Secured Data
CRA Data Provenance & ZT Access Control

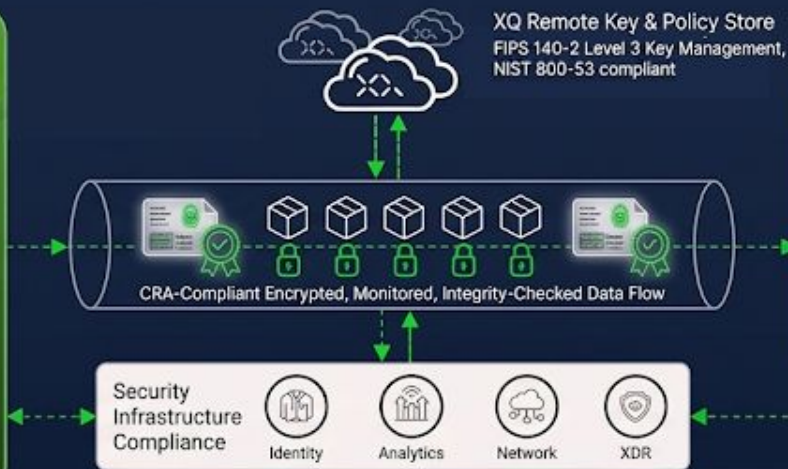
OT



Broadly
Agnostic
Data Sources



Secure Data Ingestion



Plug-and-Play Cyber Compliance

Compliance Built Into the Architecture

The combined solution provides a repeatable architecture designed to support cybersecurity and Zero Trust requirements.

Positioning

Plug in the architecture.
Apply policy.
Generate evidence.
Scale across sites.

Framework Alignment

Cyber Resilience Act (CRA)

Support secure-by-design approaches for connected industrial products and data.

IEC 62443

Complement industrial automation cybersecurity with data-level protection and governance.

NIST / Zero Trust

Apply least privilege, continuous verification, policy enforcement and data protection.

CIS Controls v8 / CIS Controls v8.1

Support foundational controls for asset, access, data and security management.

Zero Trust Data for Independent Sovereign Governance

Making Data Security Easier In Existing Infrastructure:

XQ's platform integrates with existing platform but gives you external access control.

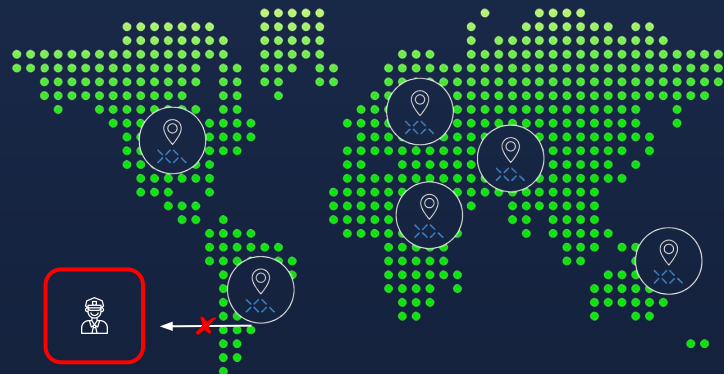
Automate Compliance:

XQ provides compliance with UAE and GDPR Legislation for Data Sovereignty, Privacy & Governance.

Automate Governance and Auditing:

XQ automates understanding what data and organization has and who can access it.

- ✓ Automated User Privacy Control
- ✓ Keep Data Access in Country
- ✓ Stop Unauthorized Exposure, Sharing & Data Theft
- ✓ Automated Secure Cloud



Governance That Travels With Your Data

- Continually classify, protect, and monitor data in any data store
- Gain full visibility of data access
- Stop lateral movement



Target Vertical Markets



Factory Automation

Securing control cabinets and automated lines with PLCnext for seamless IT/OT convergence.



Distributed Infrastructure

Protecting data across renewable energy, process industries, and traffic systems.



Regulated Environments

Meeting strict mandates (NIST, CRA) while enabling secure data ingestion to the cloud.

Ready to Secure Your IT/OT Data?



Get access to our robust and scalable zero trust data-layer solutions.

✉ sales@xqmsg.com

🌐 xqmsg.co

Powered by XQ & Phoenix Contact





XQ MESSAGE

Automated Data Loss Prevention &
Governance No Matter Where Data Lives