DENEXUS

DERISK PLATFORM · CYBER RISK QUANTIFICATION COMMERCIAL

DeRISK™ CRQ

Turn OT Cyber Risk into Business Metrics.

WHAT IT DOES

Financial precision for OT cyber risk.

DeRISK™ CRQ translates OT cyber exposures into financial impact — then runs mitigation simulations to prioritize security investments, giving executives and risk managers reliable, comparable metrics to govern risk at facility and portfolio level.

KEY CAPABILITIES

Dynamic Risk Aggregation
Real-time financial risk assessment across sites and portfolios — from a single facility to an enterprise-wide view.

Attack-Path Mapping Patent Pending
CVEs automatically mapped to MITRE ATT&CK for Enterprise and ICS. Actionable attack graphs identify the most likely paths to loss.

Financial Risk Quantification
Expected loss and VaR in dollars — covering downtime, extortion, equipment damage, regulatory penalties, and reputational harm.

Risk Mitigation Simulation
What-if scenarios quantify risk reduction per project — allocate budget to controls that move the number most per maintenance window.

Industry Peer Benchmarking
Compare posture against sector peers using anonymized, aggregated data from 300+ real industrial deployments.

Audit & Compliance
Control mapping to NIST CSF (108 controls), ISO 27001, DNX CSF, and NERC CIP. SEC cybersecurity disclosure report on demand.

HOW IT WORKS

1. **Blend Data**
Inside-out OT telemetry blended with 50+ external sources — threat intel, firmographics, and ICS-CERT/CISA advisories.

2. **Map Attack Paths**
CVEs auto-mapped to MITRE ATT&CK for Enterprise and ICS. Most likely attack paths identified across sites and portfolios.

3. **Quantify Financial Impact**
Annual Expected Loss and Value at Risk surfaced in dollar terms — at facility level, aggregated to the portfolio.

4. **Prioritize & Allocate**
Simulate mitigations, rank by risk-per-dollar. Allocate budget to the controls that move the number most per maintenance window.

KEY OUTPUTS

- Annual Expected Loss
- Value at Risk (VaR)
- Loss Exceedance Curves
- Attack-Path Maps
- Mitigation Reports
- SEC Disclosure Report

FOR WHOM

CEO & Board
Governance artifact · cyber risk as a board KPI

CFO
Balance-sheet line · ROI per security investment

CISO
Risk-ranked remediation · budget defense

COO
Continuity scenarios · constraint-aware action

Chief Risk Officer
Evidence bundle for insurance transfer · bridge persona

TECHNICAL SPECIFICATIONS

ENGINE
URMS · Proprietary · 300+ deployments · 20+ countries

KEY OUTPUTS
AEL · VaR · Loss Exceedance Curves · Attack-Path Maps · Mitigation Reports · SEC Cybersecurity Disclosure

METHODOLOGY
Bottom up OT risk modeling from facility to portfolio · 50+ external sources combined with OT telemetry

REFERENCE

INTEGRATIONS
Nozomi Networks · Claroty · Tenable · Dragos · Forescout · Palo Alto Networks · Fortinet

VERTICALS
Power Generation · Electrical T&D · Manufacturing · Hyperscale / Data Centers

FRAMEWORKS
NIST CSF (108 controls) · ISO 27001 · DNX CSF · NERC CIP · MITRE ATT&CK for ICS & Enterprise

SOC 2 Type II · Certified
Independent attestation of security & controls

Data Encrypted
Anonymized at rest and in transit

Responsible AI
Explainable · audit trail · human in the loop

Ready to quantify your OT cyber risk?

www.denexus.io/contact · info@denexus.io

Book a Demo →