Operational Technology Cybersecurity Services

Safeguarding availability and continuity across industrial & energy systems

A comprehensive, customizable, and holistic portfolio of OT cybersecurity services designed to safeguard industrial assets, ensure operational continuity, and support regulatory compliance across energy and industrial environments

PROTASIS
engineering & consulting
with power, we perform

PROTASIS

CHALLENGES & MARKET NEEDS

As industrial operations connect, cybersecurity becomes critical

Digital transformation in industrial and energy systems drives efficiency, automation, and innovation. At the same time, it introduces new cybersecurity challenges that directly impact operational continuity, safety, and reliability.

A single cyber incident can halt production, disable protection systems, or disrupt energy supply, resulting in operational downtime, financial losses, reputational damage, and broader societal impact. As industrial assets become smarter and more connected, they also become more exposed.

Key challenges:

- Convergence of IT and OT networks with different risk profiles
- Legacy control systems not designed with cybersecurity in mind
- Increasing ransomware, supply-chain, and targeted attacks on critical infrastructure
- Growing regulatory pressure (NIS2, NCCS, CRA)
- Expanding attack surface due to remote access, APIs, cloud, and third-party connectivity

THE SOLUTION

PROTASIS® OT CYBERSECURITY SERVICES
Security designed for industrial reality

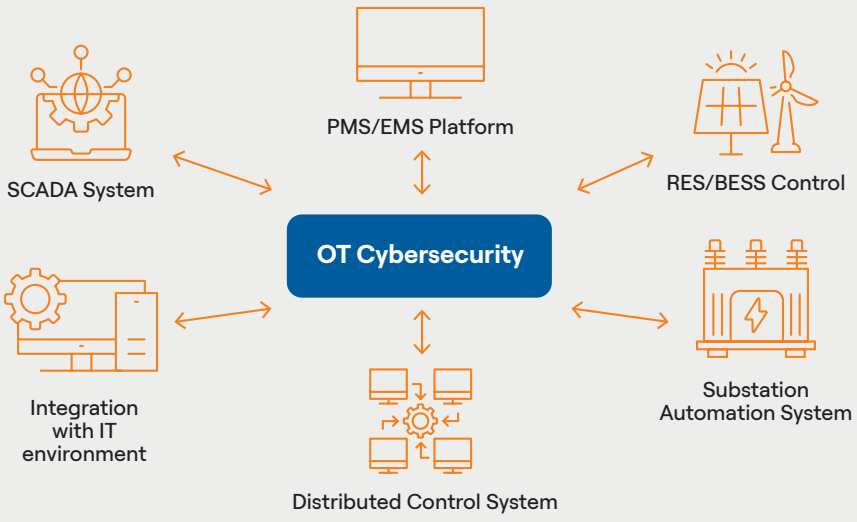
Your trusted advisor for OT cybersecurity maturity, guiding your industrial operations from visibility and risk assessment to resilience and compliance

PROTASIS delivers end-to-end OT cybersecurity services that safeguard industrial operations, from traditional process control networks to modern hybrid and renewable energy systems.

By combining deep expertise in industrial automation with proven cybersecurity methodologies, PROTASIS supports organizations throughout their cybersecurity journey: from visibility and risk assessment to implementation, monitoring, and resilience.

Core services:

- OT asset identification and vulnerability assessment
- OT risk assessment (IEC 62443 aligned)
- Cybersecurity maturity and compliance readiness (NIS2, IEC 62443, ISO 27001)
- Secure network architecture and segmentation design
- OT IDS/IPS deployment and integration
- Incident response and recovery planning



TECHNICAL APPROACH

A structured, non-intrusive, risk-based methodology

01 | OT Vulnerability assessment

PROTASIS experts analyze the OT architecture, system documentation, and communication flows using passive, non-intrusive techniques:

- Full asset inventory and communication mapping
- Identification of vulnerabilities (CVEs, CWEs, and MITRE ATT&CK for Industrial Control Systems) to bridge vulnerability management with threat intelligence, enabling a more robust defense strategy for critical industrial systems
- Effort estimation and mitigation guidance

02 | OT Risk assessment (IEC 62443)

Following IEC 62443 methodology:

- Structured questionnaires and collaborative workshops
- Risk classification and impact analysis
- Development of a tailored risk matrix
- Prioritized mitigation roadmap aligned with operational constraint

03 | Cybersecurity maturity & Compliance readiness

- Maturity assessments using recognized frameworks
- NIS2 gap analysis using National Cybersecurity Authority (NCSA) tools
- Alignment with IEC 62443 and ISO 27001 requirements
- Clear improvement plans with measurable milestones

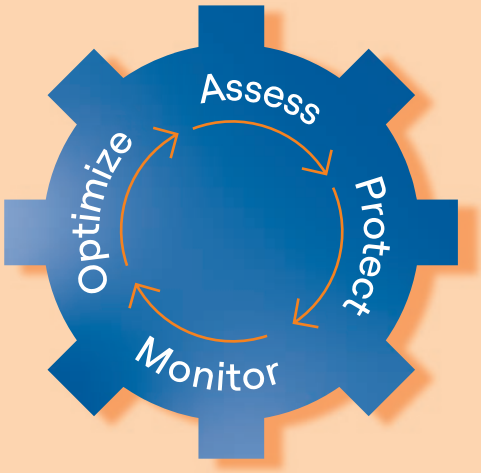
04 | Mitigation & implementation

- Governance, Risk & Compliance (GRC) controls
- Technical security controls for OT environments
- Custom-designed solutions or deployment of proven partner technologies

PROTASIS

SERVICE CAPABILITIES

Cybersecurity for every OT environment



Key Capabilities:

- **Asset discovery & Network mapping**
  Full visibility of all OT components, protocols, and data flows.
- **Vulnerability assessment & Risk analysis**
  Identification of weaknesses using IEC 62443 methodologies with zero operational impact.
- **Secure architecture & Segmentation**
  Design of zones, conduits, and secure remote access.
- **Integrated monitoring & Anomaly detection**
  Early detection of unauthorized access, abnormal behavior, and threats.
- **Incident response & Recovery support**
  Structured containment and recovery to minimize downtime.
- **Lifecycle support**
  Continuous improvement as systems, threats, and regulations evolve.

Applications:

- Power generation (conventional, renewable, hybrid)
- Transmission & distribution infrastructures
- Industrial manufacturing and process plants
- Oil & gas, water, and critical utilities
- Multi-site and geographically distributed OT environments

ISA/IEC 62443
Cybersecurity Expert

CISSP
Certified Information Systems Security Professional

CISA
Certified Information Systems Auditor

BUSINESS & OPERATIONAL BENEFITS

Why choose PROTASIS® OT Cybersecurity services?

Operational continuity & Safety

- Reduced risk of unplanned outages and production stops
- Protection of safety-critical systems and processes
- Faster detection and response to cyber incidents

Risk reduction & Resilience

- Proactive identification and prioritization of cyber risks
- Defense-in-depth strategies tailored to OT constraints
- Improved resilience against ransomware and targeted attacks

Regulatory & Compliance confidence

- Structured readiness for NIS2, IEC 62443, ISO 27001
- Clear documentation and audit-ready processes
- Reduced compliance uncertainty and effort

Visibility & Control

- Centralized visibility across distributed industrial and energy sites
- Improved understanding of asset dependencies and risks
- Informed decision-making based on real operational data

Trusted expertise

- Multidisciplinary teams with OT, IT, and cybersecurity expertise
- Proven experience in energy and industrial environments
- Vendor-agnostic, client-centric approach

PROTASIS, and its operations, are certified according to the latest applicable international standards, regarding the respective Management Systems

ISO 9001 : 2015 ISO 14001 : 2015 ISO 37001 : 2017 ISO 45001 : 2018 ISO 27001 : 2022

Protect what drives your operations with PROTASIS® Cybersecurity Services, ensuring safe, resilient, and compliant industrial systems

PROTASIS
engineering & consulting
with power, we perform

PROTASIS SA
59B I. Apostolopoulou St.
152 31 Chalandri, Athens, Greece
T +30 210 956 1154
E sales@protasis.energy
www.protasis.energy

Scan me

Follow us