

Cybersecurity Capability Overview

A specialty cybersecurity practice for utilities, oil & gas, and heavy-asset enterprises



Merlin Solutions delivers senior-led cybersecurity consulting for organizations operating across IT and OT environments. Twenty years of identity, access, and operational security work for utilities and oil & gas through the field's evolution from "security" to identity-centric and zero-trust models. Vendor neutral. Senior US-based practitioners on every engagement.

20 years at the IT/OT intersection

Securing corporate and operational technology for heavy-asset enterprises.

Identity before identity was the perimeter

SSO, IDM, and access governance work going back two decades.

Vendor neutral, Senior and US-based

Senior practitioners on every engagement. We don't resell tools.

IT / OT CYBERSECURITY

- **IT/OT Network Segmentation** - Architecture and zoning between corporate IT and OT environments - substations, refineries, pipelines, and control systems.
- **Secure Remote Access for OT** - Secure remote access for field operations, vendors, and contractors without compromising operational availability.
- **OT Risk Assessment** - Targeted risk assessments for industrial control systems, SCADA, and OT-adjacent corporate systems.
- **OT Asset Visibility & Inventory** - Discovery and continuous inventory of OT assets are foundational to any meaningful OT security program.
- **NERC CIP Advisory** - Compliance readiness, audit preparation, and ongoing advisory for utilities subject to NERC CIP.
- **IT/OT Convergence Architecture** - Strategy and design for consolidating IT and OT operations, governance, tooling, and operating model.

IDENTITY & ACCESS MANAGEMENT

- **Identity Management (IDM)** - Two decades of IDM design and delivery lifecycle, provisioning, and identity data architecture.
- **Privileged Access Management (PAM)** - Strategy, vault implementation, session management, and secrets governance across IT and OT.
- **Multi-Factor Authentication (MFA)** - Workforce, customer, and contractor MFA including risk-based and adaptive approaches.

- **Single Sign-On (SSO)** – Architecture, protocol selection (SAML, OIDC), federation, and unified authentication for complex portfolios.
- **Identity Governance & Administration** – Access certification, role engineering, SoD controls, and audit-ready identity governance.
- **Contractor & Third-Party Identity** – Identity and access for complex contractor populations, central to utilities, oil & gas and large enterprises.

MANAGED CYBERSECURITY OPERATIONS

- **Vulnerability Management** – Scanning oversight, prioritization, remediation tracking, and program governance across enterprise IT and selected OT.
- **Identity Hygiene Operations** – Orphaned accounts, stale entitlements, access drift, and continuous certification cadence.
- **Security Posture Management** – Continuous posture assessment, configuration drift detection, and remediation across cloud and on-prem.
- **Incident Triage Support** – Senior practitioner support during active response, advisory bench strength for client teams, not an MSSP.

SENIOR CYBERSECURITY STAFFING & ADVISORY

- **Senior Cybersecurity Practitioners** – Vetted IDM architects, OT security specialists, identity governance leads, and senior engineers, onshore, offshore or blended talent.
- **Specialist Augmentation** – Targeted depth OT specialists, identity architects, NERC CIP leads for in-flight programs needing senior expertise.
- **CISO Advisory** – Fractional and project-based advisory, program assessment, roadmap, and board-readiness support.
- **Security Program Assessment** – Independent, vendor-neutral assessment of programs, tooling, and operating models with honest recommendations.

Ready To Talk?

Scoping an IT/OT initiative, modernizing identity, or need senior practitioners on an in-flight engagement? Let's talk.

FRAMEWORKS & STANDARDS

NIST CSF · NIST 800-53 · NIST 800-82 (ICS) · ISO 27001 · NERC CIP · IEC 62443 · CIS Controls

Merlin is a Certified Minority and
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Let's Connect

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