Cyolo

Cyolo PRO:
The Secure Remote Privileged Access Solution for OT/ICS/CPS

To defend against escalating cyberthreats, prevent costly disruptions, and meet compliance mandates, industrial organizations must modernize their cybersecurity protocols and practices. At the same time, these organizations are increasingly required to enable remote access to previously isolated operational technology (OT) environments. The benefits of remote connectivity are substantial, but widening exposure leaves industrial control systems (ICS), cyber-physical systems (CPS), and OT assets vulnerable just as attacks are rising.

The Cyolo PRO (Privileged Remote Operations) advanced Secure Remote Access (SRA) solution is purpose-built to meet OT/ICS/CPS needs. Cyolo PRO enables organizations in critical industries, including manufacturing, energy, oil & gas, and more, to safely connect remote workers, third-party vendors, and privileged employees to even the most sensitive assets and environments.

Key Remote Privileged Access Use Cases

Facilitate Third-Party Remote Access

Safely connect third-party vendors to OT environments for enhanced productivity without VPNs or jump boxes.

Provide OEM Access for Fast, Secure Support

Ensure rapid, secure, and safe support and maintenance of diagnostics for OT systems.
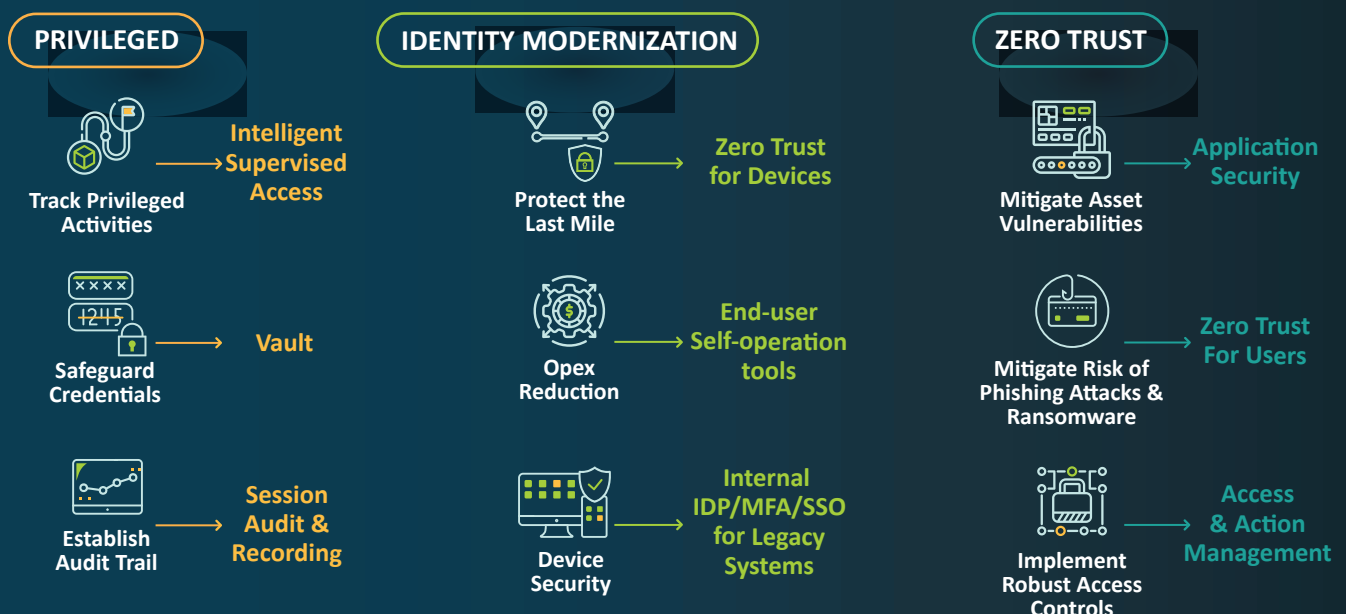
Manage Critical and Risky Access

Secure, monitor, and control all connections to mission-critical assets, whether on-prem or remote.

Achieve Regulatory Compliance

Implement segmentation, supervision and other requirements of industry and regional compliance mandates.

Multiple Needs, 3 Security Layers , 1 Unified Solution

PRIVILEGED

Track Privileged Activities → Intelligent Supervised Access

Safeguard Credentials → Vault

Establish Audit Trail → Session Audit & Recording

IDENTITY MODERNIZATION

Protect the Last Mile → Zero Trust for Devices

Opex Reduction → End-user Self-operation tools

Device Security → Internal IDP/MFA/SSO for Legacy Systems

ZERO TRUST

Mitigate Asset Vulnerabilities → Application Security

Mitigate Risk of Phishing Attacks & Ransomware → Zero Trust For Users

Implement Robust Access Controls → Access & Action Management
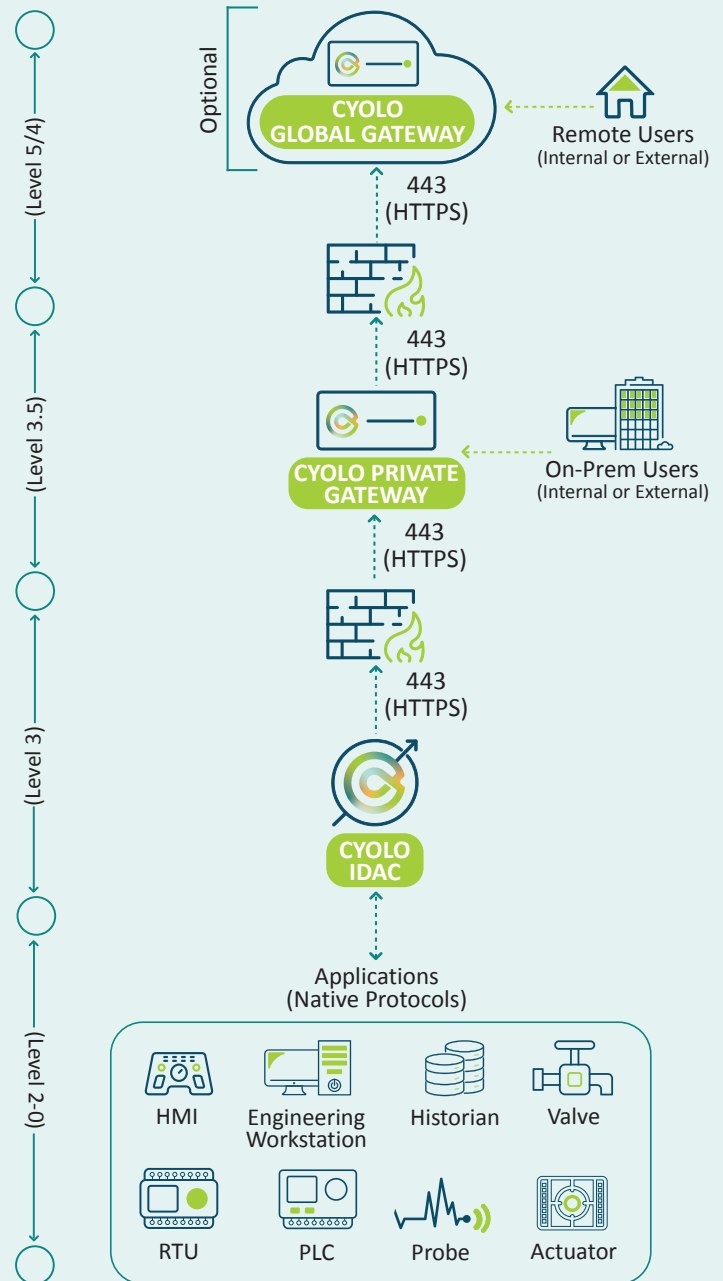
Cyolo PRO's Decentralized Architecture Enables Maximum Adaptability

Cyolo PRO is built on a decentralized architecture that allows for exceptional flexibility and seamlessly adapts to any environment – whether isolated, on-prem or cloud-connected. By keeping all data, secrets, and encryption keys inside the customer's trusted boundaries rather than hosting them in the cloud, Cyolo PRO provides true zero-trust security, while also maximizing operational uptime and reducing latency.

> *"We're able to provide seamless remote access to our systems to both internal users and external users. The management overhead of these remote access connections has been greatly reduced. **The ease of use of the remote access has been increased for third-party individuals and our internal employees.**"*

Gibson Mark, Senior Systems Administrator at **Tata Chemicals**

Optional

CYOLO GLOBAL GATEWAY ← Remote Users (Internal or External)

443 (HTTPS)

443 (HTTPS)

CYOLO PRIVATE GATEWAY ← On-Prem Users (Internal or External)

443 (HTTPS)

443 (HTTPS)

CYOLO IDAC

Applications (Native Protocols)

| HMI | Engineering Workstation | Historian | Valve |
| RTU | PLC | Probe | Actuator |

(Level 5/4)
(Level 3.5)
(Level 3)
(Level 2-0)

Cyolo PRO Benefits

Secure
- Keep your data inside your trust boundary
- Granular identity-based controls & supervision
- Full activity/audit trails

Flexible
- Deploy on-prem, cloud & hybrid—simultaneously
- Extend identity authentication and security to legacy applications
- Centralized governance & site-based administration

Fast and Easy
- Agentless deployment
- Consolidated access controls with modularity
- Low-latency/High-availability
- Intelligent supervision eases operational burden

Cyolo provides secure remote privileged access for cyber-physical systems (CPS), enabling industrial enterprises to simply connect employees and third-party vendors to critical assets. Cyolo offers stronger security and more control than traditional secure remote access and deploys in any environment without causing disruptions or requiring change management. Cyolo delivers improved security, productivity, and operational agility – without compromise.

Cyolo

www.cyolo.io