



How Cyolo Empowers Operations Through Secure Remote Access

Uptime is non-negotiable in today’s industrial environments. At Cyolo, we understand the pressure to keep operations running, maintain safety, and support the business – without compromise. Cyolo helps you stay ahead with fast, flexible remote access that’s built for operational continuity.

Keep Your Operations Running — Seamlessly, Securely, and Without Downtime

Downtime isn’t just financially costly. It also disrupts production, impacts delivery schedules, and puts pressure on workers across the organization. Cyolo helps operational teams and their partners work faster, safer, and smarter by providing easy, secure remote access built for the realities of industrial environments.



\$260,000/hour
Average cost of downtime in manufacturing (Pingdom)



\$125,000/hour
Average unplanned downtime cost in industrial environments (ABB Global Survey)



\$500,000/hour
Average cost of downtime in oil & gas operations (Evocon)



\$2.3 million/hour
Average downtime cost in automotive manufacturing (Siemens Industry Report)

Cyolo ensures uptime and operational agility by enabling rapid troubleshooting, vendor maintenance, and issue resolution – without ever compromising safety or control.

How Cyolo Solves Common Operational Challenges



1. Enables Vendor, Contractor, and Third-Party Access Without Surrendering Control
Onboard external experts and partners instantly to troubleshoot, maintain, or update critical systems. Control access precisely to the specific time window and asset required. Reduce MTTR while keeping systems protected and compliant.



2. Provides Oversight and Accountability in Real Time
Monitor live sessions, record activity for audits, and terminate access in realtime if needed. Every connection is visible and traceable.



3. Ensures Safe, Consistent Access Across Distributed Sites
Enable work across multiple locations, including remote or air-gapped sites. No network redesign, no agent installation, and no interruptions to production or existing workflows.



4. Meets Complex Compliance Demands with Ease
Built with Zero Trust principles and aligned with frameworks like NIS2, IEC 62443, ISO 27001, and NIST CSF. Ensure every session meets internal and external standards.

Why Cyolo?

The Cyolo access solution was built from the ground up for OT environments. Simple to deploy, manage and use – from installation to daily operations – it's easy to work with and made for teams that prioritize speed, uptime, and safety.



The first tool both OT and IT teams agreed on.

— CISO, Global Industrial Company



Key Capabilities

What Cyolo Enables	Why It Matters for Operations
No Network Changes	Deploy quickly without reconfiguring systems.
Agentless Application Access	Seamless vendor access - Connect to a PLC without installing an agent. Rapid onboarding without agent hassle.
Identity Federation (LDAP, AD, AzureAD, Okta, Duo, and local IDPs)	Centralized control across all IDP providers. Local IdP to easily list new users.
Multi-Factor Authentication (MFA)	Adds strong authentication to modernize and bring identity based access even to legacy apps.
Credential Vaulting	- Secures generic accounts. Users are not exposed to the credentials, lowering the need for rotations. - Allows visibility into the identity behind every shared account access.
File Scanning & Secure Transfer	Ensures safe file movement.
Granular Access & Action Policies	Grants a user or group access policy per app or group of apps, minimizing risk of missteps and enabling precise control.
Session Monitoring & Supervision	Operational monitoring & visibility for audits, forensic investigations and oversight over high-risk operations.
Zero Trust Architecture with Least Privilege Access	Minimizes lateral movement and supports compliance.
Flexible Deployments	Deploy across multiple environments — from air-gapped to cloud-connected.
Supports various OT protocols (RDP, VNC, SSH, HTTP/S, SMB, Native, TIA Portal, FactoryTalk)	- Secure access to critical tools and systems. - End-to-end encryption ensures data integrity and confidentiality at every step.
Low Latency	Enables real-time responsiveness. A global network of POPs ensures stable, low-latency access — even for remote sites.
Unique Decentralized Architecture	Cyolo keeps all data, credentials, and access logic within your environment — nothing is processed in the cloud. Even if the internet goes down, local operations continue uninterrupted.
Ease of Use	Simple, intuitive access allows contractors to connect quickly and perform updates or preventive maintenance faster.

See It in Action

Discover how Cyolo enables your teams and vendors to resolve issues faster, stay compliant, and maintain uptime across every site.

Book a Walkthrough



Cyolo PRO helped us roll out secure remote access across 100 plants in just 65 days - with zero disruption to production.



— Global Snack Manufacturer