



CASE STUDY

SECURE ACCESS TO OVER 150 SYSTEMS,
FOR OVER 2000 DIVERSE USERS

SECURE REMOTE CONNECTIVITY TO LEVERAGE PRODUCTIVITY

A global leader in the field of smart energy was looking for a better secure remote access solution to provide access to a sensitive and internal application and to replace the existing virtual private network (VPN). It was crucial that the new solution would ensure access for employees as well as third-party vendors, all without exposing the network and its assets to increased risk.

To improve productivity and more effectively leverage their remote workforce, the company wanted to enable their customer service and sales teams to securely access internal applications from anywhere, using any device — including unmanaged devices.

The required secure access solution had to include encryption, to address privacy concerns, and to ensure easy implementation with minimal impact on users and business operations.

ENCRYPTED, SECURE, SEAMLESS ACCESS TO ALL — FROM ANY DEVICE

Cyolo was ultimately chosen to provide the company's mobile and remote workforce with safe and secure access to sensitive and internal applications, replacing its existing VPN. Following a 10 minute implementation and configuration process, the internal application system was published through the Cyolo broker, enabling access for all approved users without exposing the organizational network.

CHALLENGES

- Improve secure access for remote users
- No encryption available
- Internal access only

REQUIREMENTS

- A secure access solution
- On-site and remote users
- Managed and unmanaged devices
- Simple and risk-free implementation
- Enhanced security

SOLUTION

- Secure access for remote employees, partners and suppliers
- Secure access from any device
- End-to-end encryption
- MFA and SSO
- Unique PAM rights
- Session recording and supervised access
- Full integration with active directory
- Contextual data to improve forensics and investigations
- 10 minute implementation and configuration process

OUTCOME

- Secure access to over 150 systems
- ~2000 diverse users
- Global implementation
- Complete visibility and control of access and usage
- Improved user experience

The Cyolo PRO (Privileged Remote Operations) access solution was designed to enhance not just security but also user experience, enabling smooth self-service user enrollment and user login. Cyolo PRO integrated fully and seamlessly with the company's active directory, which automatically set the access authorizations. In addition, Cyolo PRO enforces multi-factor authentication (MFA) and during onboarding, users are prompted with an MFA requirement. Following this verification, access is granted with a single sign-on (SSO) process.

To ensure secure external access, Cyolo PRO includes a protection layer that prevents malicious actors from exploiting any vulnerabilities to access data and reduces the risk of cyber-attacks. Zero-trust access based on user and device identity also evaluates other factors that provide context to ensure dynamic, risk-based, accurate access. Cyolo PRO ensures security, agility and productivity, without compromising business needs and without inconveniencing or imposing on users. Cyolo PRO provides end-to-end encryption and at no stage is any data visible or stored on Cyolo's cloud broker. Instead, all sensitive data remains secure within the enterprise network. In addition, Cyolo PRO extended unique privileged access management (PAM) rights to the company's administrators, while ensuring that sensitive data and assets remain safe, even in the case of a compromised admin account. As remote work became the norm, the company expanded its use of Cyolo PRO to provide secure remote access for employees, partners and suppliers, including some using unmanaged devices.

“Cyolo helped us to quickly adapt to a new reality of a remote workforce, with a hassle-free, speedy global implementation. With diverse users, including third parties, we were able to ensure productivity and maintain business continuity, without compromising our security.”

- Company's CISO

GLOBAL IMPLEMENTATION, 2000 USERS, OVER 150 SYSTEMS

Cyolo PRO is currently deployed globally, providing ~2000 on-site and remote users, including partners and third parties, with fully encrypted secure access to over 150 applications and servers. Admins have complete visibility and control, which they did not previously have. They also have the ability to monitor every user and device that accesses their systems with real-time alerts. When an anomaly or threat is identified, the company has all the data and tools needed to conduct context-based forensics and a fast response. As a global leader in its industry, the company has quickly and securely adapted its business to the new remote work model, reducing the risk of cyber threats and maintaining business agility.

ABOUT CYOLO

Cyolo is a leading cybersecurity innovator dedicated to providing cutting-edge access solutions. With a focus on security, operational agility, and user experience, Cyolo is fostering a transition from merely enabling access to empowering operations, productivity, and compliance.

To learn more, visit <https://cyolo.io>.