Cyolo

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 to provide better and secure remote access to a sensitive and internal application, and to replace their existing traditional VPN. It was important that the new solution will ensure external access without exposing the network and its assets to risk.

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

The required secure access solution had to include encryption and 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 initially 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 minutes implementation and configuration process, the internal application system was published through the Cyolo broker, enabling access to every approved user, without exposing the organizational network.

Balancing between security and user-experience is always a challenge and Cyolo was designed to ensure smooth self-service user enrollment and user login.

Cyolo's solution was fully integrated with the company's active directory, which automatically set the access authorizations.

In addition, Cyolo's multi factor authentication (MFA) was set, and during onboarding, users are prompted with an MFA requirement. Once done, access is granted with a smooth single-sign-on (SSO) process.

To ensure secure external access, Cyolo added a protection layer that prevents malicious actors from exploiting the system's vulnerabilities and accessing

data, and reduces the risk of cyber-attacks.

Challenges
- Improve secure access of remote users
- No encryption available
- Internal access only

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

Solution
- Secure access for employees WFH, 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 minutes 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

Cyolo's zero-trust secure access is based on the user ID and the device ID, and evaluates other factors that provide context to ensure dynamic, risk-based,

accurate access. Cyolo ensures security, agility and productivity, without compromising business needs and without imposing on the users.

Cyolo provides end-to-end encryption and at no stage is any data visible, or stored on Cyolo's cloud broker. All the sensitive data remains secure within the enterprise network.

In addition, Cyolo provided unique privileged access management (PAM) rights to the comapny's administrators, while ensuring the organization data and sensitive assets safe, even in a case of a compromised admin account.

Then came COVID-19

The successful implementation of Cyolo's secure access solution and the impact of COVID-19 on business operations, led to the expansion of Cyolo's solution in the organization.

As more and more employees, partners and suppliers were sent to work from home, the company decided to use Cyolo to ensure secure remote access, using unmanaged devices, without giving access to the network and risking sensitive assets.

Global implementation, 2000 users, over 150 systems

Cyolo is currently deployed globally, providing ~2000 onsite and remote users, including partners and third parties, fully encrypted secure access, to over 150 applications and servers.

Admins have complete visibility and control, which they did not previously have. They have the ability to monitor every user and any device that access their systems with real-time alerts. When an anomaly or risk are identified, they have all the data and tools needed for context-based forensics and fast response.

As a global leader in its industry, the company has quickly and securely adapted its business to the new reality of 2020, reducing the risk of cyber threats and maintaining business agility.

"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

About Cyolo

Cyolo was founded in 2019, by former commanders of the Israeli Navy Cyber Unit, to help organizations remain agile, resilient and productive, by securely connecting onsite and remote users, to the organization's applications, servers, desktops and files. For more information, please visit https://Cyolo.io