

Seamlessly combine advanced threat and vulnerability detection with Identity Based Access Control to bolster protection of OT networks and operations

Integrating Cyolo’s innovative Identity Based Access Control and Radiflow’s widely deployed iSID Threat Detection ensures that access to and secure operation of OT/ICS networks and assets is continuously monitored and controlled, reinforced by swift and effective response to threats.

COMPREHENSIVE OT SECURITY

The Radiflow and Cyolo integrated solution minimizes the attack surface while optimizing cybersecurity posture.

Cyolo Platform

The Cyolo platform provides user-to-application access and control with continuous authorization and end-to-end encryption for IT, OT, and IoT resources. Cyolo retrofits existing systems and legacy applications with modern authentication infrastructure and effectively connects and manages onsite and remote users. The Cyolo Edge component is a Server Name Indication (SNI) gateway that routes user requests to the Identity Access Controller (IDAC). Unlike other solutions, it does not need to decrypt encrypted traffic and holds no sensitive data.

Radiflow Threat Monitoring

Radiflow’s iSID Industrial Threat Detection and Analysis Platform provides proactive cybersecurity for critical infrastructure and industrial operations through non-intrusive monitoring of OT networks for changes in topology and behavior. iSID delivers capabilities pertaining to specific types of network activity: (1) modeling and visibility of devices, protocols, and sessions; (2) detection of threats, attacks, and unusual behavior; (3) policy monitoring and validation of operational parameters; (4) rules-based maintenance management; and (5) networked-device management.

HIGHLIGHTS

Secure Connections:

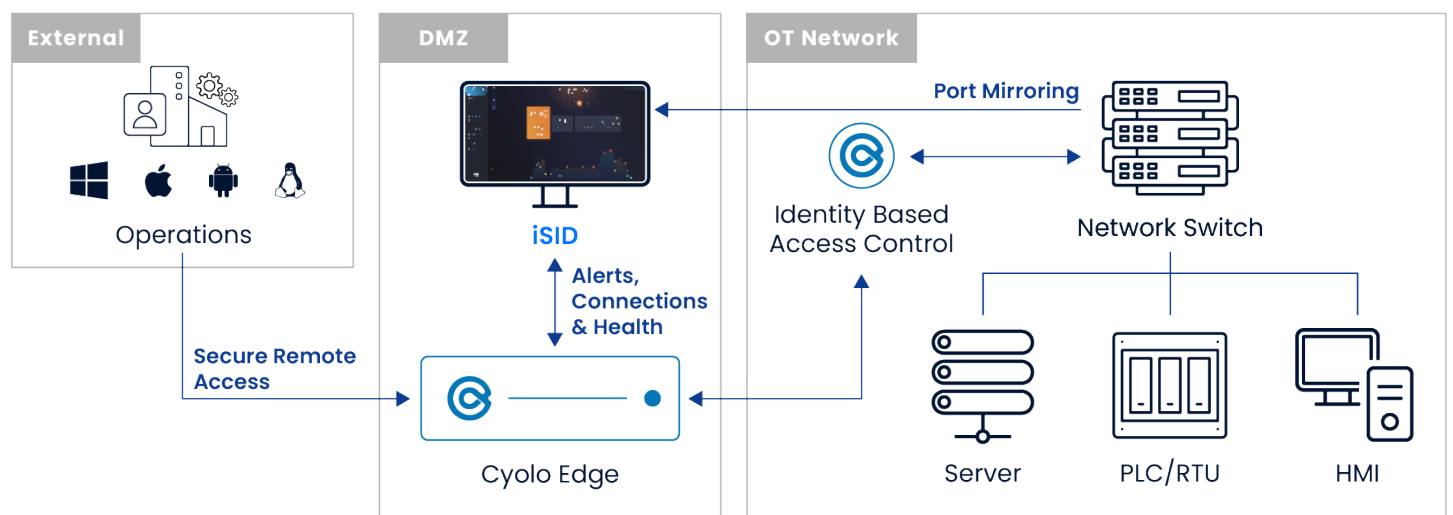
Cyolo’s advanced Identity Based Access Control (IBAC) secures all connections to Radiflow’s industrial cybersecurity solutions, ensuring that only authorized personnel may gain access to the security platforms.

Controlled and Monitored Access:

Cyolo automatically validates all user connections, limiting access to operational networks and systems to trusted entities such as authorized employees and third-party vendors. At the same time, Radiflow continuously monitors the network for unauthorized access, rogue behavior, and other cyberthreats, enabling immediate detection.

Rapid Response:

The integrated solution allows operators to rapidly block unauthorized/unrecognized sessions and sources of malicious traffic while swiftly containing malicious behavior and malware.



MARITIME OPERATOR SECURES FLEET WITH THE RADIFLOW-CYOLO INTEGRATED SOLUTION

Maritime operations are vital for global trade and transportation. Ensuring the security and integrity of maritime assets and data is crucial for safeguarding vessels, ports, and the supply chain.

CHALLENGES

An international shipping company operating a fleet of container vessels and cargo ships must:

- Secure onboard systems and communications
- Manage access to systems by crew and other onboard and remote personnel and systems
- Detect and respond to cyber threats in real time
- Ensure compliance with a growing body of maritime security regulations

SOLUTION

The integrated solution addresses all of the operator's challenges.

- Radiflow iSID was deployed to continuously monitor onboard network traffic and communication systems for anomalies and external threats
- Cyolo Identity Based Access Control was deployed to enforce secure connections to onboard Radiflow iSIDs
- Upon detecting suspicious activities, the iSID generated real-time alerts that allowed users to send immediate 'block' commands to Cyolo to contain rogue connections
- Unauthorized access attempts were promptly isolated, preventing further potential breaches
- Both Radiflow and Cyolo maintain detailed logs of all onboard activities and security events. The logs are used for incident response, post-incident analysis, and compliance reporting to meet maritime security regulations



SUMMARY

The Radiflow and Cyolo integrated solution has proven to be a highly effective strategy for safeguarding maritime operations. The client now operates the fleet with confidence, knowing that vessels, cargo, and operations are protected across the evolving maritime cybersecurity landscape.

Radiflow

Radiflow develops OT Security and Risk Management solutions that ensure operational resilience and optimize cybersecurity expenditure. Radiflow's solutions enable local or centralized deployment, and integrate with leading technology-partner platforms. Now part of the Sabanci Group, Radiflow protects over 8,000 sites worldwide.

Visit us at www.radiflow.com

Cyolo

Cyolo helps IT and ICS organizations stay secure and productive in an era of distributed workforces and unprecedented cyber threats. Cyolo's platform enables all users, including employees, third parties, and remote and on-site workers, to connect to their work environments seamlessly and securely via modern identity-based authentication. With one unified solution that integrates with your existing tech stack, Cyolo securely connects people to their work. To learn more, visit: www.cyolo.io