



CASE STUDY

Securing Multi-Supplier OT Access While Enabling Real-Time Operational Visibility

OVERVIEW

A major automotive manufacturing facility needed a secure way to manage multiple third-party supplier networks operating within a shared production environment. With eight independent suppliers supporting the process, the customer required strict network isolation, secure access control, centralized data collection, and real-time operational visibility.

To solve these challenges, DYNICS deployed ICS360.Defender and ICS360.Fusion to secure supplier access, segment OT networks, and deliver centralized visualization across the production environment.

THE CHALLENGE

The facility needed to:

- Prevent suppliers from accessing other supplier networks or equipment
- Isolate eight independent supplier networks within the same environment
- Require authenticated supplier access before allowing connectivity to any systems
- Collect operational data from multiple supplier machines and systems
- Pass OT data securely to the enterprise network
- Visualize machine states and overall process status in real time

The customer required a solution that maintained strict OT cybersecurity controls without impacting operational visibility or production workflows.

THE SOLUTION

Secure Supplier Segmentation & Access Control

DYNICS implemented the ICS360.Defender alongside industrial switching infrastructure to isolate each supplier network and control user access.

Using ICS360.Defender's dynamic rules functionality, access permissions automatically changed based on the authenticated supplier. Once logged into DYNICS' EW, suppliers could only access their assigned systems and devices.

This approach provided:

- Secure segmentation between supplier networks
- Prevention of unauthorized lateral movement
- Role-based access to approved systems only
- Centralized authentication before network access

At the same time, ICS360.Fusion maintained secure communication with supplier systems for centralized data collection while remaining isolated from supplier-level user access.

Real-Time Operational Visualization

ICS360.Fusion powered live dashboards displayed on a 55" overhead monitor within the production area.

During active production, ICS360.Fusion displayed:

- Machine states
- Equipment activity
- Supplier system status
- Overall process conditions

When the line became idle, ICS360.Fusion automatically launched a web-browser and played a video of the process on the overhead 55". Once production resumed, the system seamlessly returned to live operational dashboards.

THE RESULTS

The solution delivered a secure, centralized OT environment that supported multiple independent suppliers while maintaining visibility and operational efficiency.

Key Outcomes

- Secure isolation of eight independent supplier networks
- Dynamic, role-based supplier access control
- Prevention of unauthorized cross-network visibility
- Centralized OT data collection and enterprise integration
- Real-time operational dashboards and visualization
- Improved production awareness for plant personnel
- Enhanced cybersecurity posture across the manufacturing environment

About DYNICS

DYNICS delivers innovative solutions for industrial cybersecurity, data movement, and visualization. With decades of OT experience and a deep understanding of IT integration, DYNICS' ICS360 platform enables safe, efficient, and intelligent operations across industrial environments.