



**CASE
STUDY**

OT Cybersecurity Assessment for a leading BevCan Manufacturer

Executive Summary

With more than 100 years of legacy, the European division of this multinational metal beverage and food cans manufacturer have more than 18+ plants.

The client had challenges with lack of visibility and information on plant network and shop floor assets.



Business Challenge

- More than 200 OT assets on the shopfloor with communication network of more than 35 different-unsecured protocols
- Challenging to have end-to-end visibility and mapping of plant network
- Ineffective management of security updates and patches
- Many connected assets were declared end-of-life by respective OEMs, introducing serious security vulnerabilities



ITC Infotech Approach

- Structured approach included evaluation of different OT systems, devices and networks, along with compliance of specific standards and regulations
- The evaluation was done using Claroty platform to identify the OT assets and network components.
- Using the Claroty identified vulnerability and threats to OT network and assets
- Evaluated potential impact and prioritized the recommendation for quick and smooth upgradation of OT assets, network switches, PLC & HMI firmware and security patches



Recommendations

During the course of the assessment ITC Infotech team recommended following solutions,

- **Asset Hardening:** Addressing the issues of common vulnerability exploits and blocking of unwanted ports
- **Network Architecture:** Introduced Network Segmentation, Purdue Model, Deep Packet Inspection, Intrusion and Anomalies Detection
- **Threat Monitoring:** Configured Continuous Threat Monitoring, New Generation Firewall, OT Traffic Mirroring and Antivirus
- **Access Control:** Defined secured rules-based Access Control & Strategy, Remote User Session with Authentication
- **Secured Remote Access:** Prevent un-authorized access using VPN, multifactor authentication, and endpoint protection
- **Incident Response:** Help identify and mitigate incidents to minimize impact and maintain the availability & reliability of critical infrastructure
- **Disaster Recovery:** Focus to minimize downtime, data loss, and impact to physical assets to maintain the integrity and availability of OT operations in case of cyber disaster

About ITC Infotech

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