

# Centralized Remote Update of Distributed EXOR Devices

## Seamless firmware and BSP management across gateways and machine-level devices

A global OEM operating in the packaging industry has deployed hundreds of machines across multiple customer sites worldwide. Each machine includes a **Microedge** acting as an OT/IT gateway, several HMI's, and a **Microedge with XPLC** controlling the automation logic. To ensure **cybersecurity**, **performance**, and **compatibility**, all devices must be continuously updated to the latest firmware and BSP versions—without interrupting production or requiring on-site interventions.

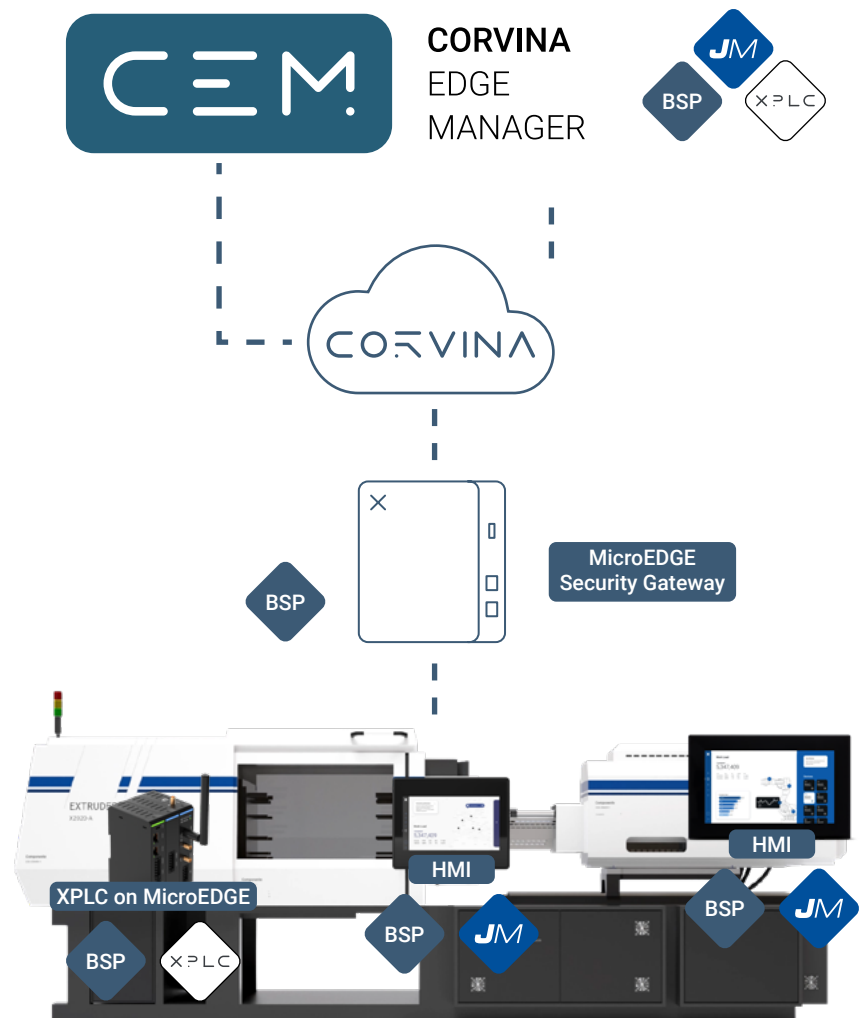
## Technical Solution

Using CEM - Corvina Edge Manager, the OEM can remotely orchestrate firmware and BSP updates for the entire machine architecture from a centralized platform. The Microedge gateway is updated first to guarantee alignment with the latest cybersecurity standards and maintain a secure bridge between OT and IT networks.

Once the gateway is updated, CEM enables the distribution of updates to all downstream EXOR devices connected within the machine network. This includes HMI's and Microedge devices running XPLC.

Updates are deployed in a structured and controlled sequence, ensuring compatibility between components and avoiding system inconsistencies.

The platform allows scheduling updates during planned downtime, monitoring update status in real time, and verifying successful completion. In case of anomalies, rollback mechanisms or targeted interventions can be executed remotely, minimizing operational risks.



## Benefits

- **End-to-end device alignment:** Ensures all EXOR components within the machine run on consistent and up-to-date software versions.
- **Enhanced cybersecurity:** Keeps the gateway and all connected devices protected with the latest BSP releases.
- **Zero on-site intervention:** Eliminates the need for field technicians to perform manual updates.
- **Reduced downtime:** Enables scheduled updates during non-production hours.
- **Operational scalability:** Allows simultaneous update management across hundreds of machines globally.
- **Improved reliability:** Prevents compatibility issues between gateway and downstream devices, ensuring stable machine performance.

# X Platform

## The All-in-One Industrial Automation Platform

In the dynamic world of industrial automation, the X Platform exists to bridge the gap between the aspirations of machine builders and the real-world needs of factory owners. The platform serves as a comprehensive toolbox, helping you address current challenges while preparing for future ones.

The X Platform is more than just technology; it's a partnership. It empowers you to tailor solutions to your unique challenges, ensuring that you remain at the forefront of industrial innovation. The goal is to give machine builders the freedom to focus on what they do best: creating outstanding machines that meet the needs of factory owners like you.



### What is a Today's Need...

1. Edge Security - Protecting your data and your business.
2. Remote Access & VPN- Simplifying system integration, providing you with the ability to monitor and adjust processes anywhere.
3. Edge Management - Making updates remotely: time and resource saving.

### ... a Tomorrow's Want ...

1. Remote & Condition Monitoring - Giving you the tools for proactive diagnostics.
2. OEE & Energy Efficiency - Monitoring and managing resources for sustainable growth.
3. Performance Consultancy - Offering insights into optimizing your machinery's potential.

### ... and a Future Vision?

1. Marketplace Integration - Creating potential channels for resource and information exchange.
2. Virtual Logic Control - Preparing for the possibilities of AI-driven process enhancements.

Your Challenge,  
Your Solution,  
Our Technology

Keep in Touch!

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