

SESSION NAME

PS13 CASE STUDY ON TRANSITIONING IQMS TO PLEX

CV28 FLEXING PLEX: FROM MES TO ERP - A JOURNEY OF ELASTICITY



ABSTRACT

In this session, attendees will learn how Koller Craft executed a seamless transition from IQMS to Plex, leveraging existing infrastructure and extending functionality far beyond their previous system. By reusing the existing wiring from the IQMS box, Koller Craft was able to quickly resume cycle counting from machines and recreate their familiar IQMS dashboard through the powerful extensibility of Plex Automation and Orchestration.

Not only did they replicate all the features offered by IQMS, but they also enhanced their operations with new capabilities—including automated production, machine state tracking, real-time label printing, and shift-level OEE (Overall Equipment Effectiveness) monitoring.

Attendees will acquire hands-on knowledge for reusing existing hardware to reduce transition costs and complexity, strategies for leveraging Plex's Automation and Orchestration tools to replicate and improve legacy dashboards, real-world examples of automating production workflows and machine state tracking, and techniques for enabling real-time label printing and shift-level OEE reporting

Speaker: John Hall, Damian Walker

Session Type: Partner Solutions

Join American Axle & Manufacturing (AAM) for an insightful session on the transformative journey of Plex elasticity. Discover how AAM successfully transitioned from MES to ERP, enhancing their operational capabilities and streamlining processes. This session will delve into the initial deployment of MES in winter 2024 at the Hausach, Germany location, the subsequent decision to leverage Plex for EDI transactions, and the strategic move to Plex ERP starting in early 2025. Learn about the challenges faced, the solutions implemented, and the dedicated team behind the "2nd deployment" that made it all possible.

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**CV28 FLEXING PLEX: FROM MES TO
ERP - A JOURNEY OF ELASTICITY**

**CV06 GREEN TECH REVOLUTION:
SUPERIOR TRIM'S JOURNEY TO
SUSTAINABLE AUTOMATION**



ABSTRACT

Benefits for Attendees:

In-depth Understanding: Gain insights into the practical application of Plex elasticity and how it can be leveraged to extend beyond its original capabilities.

Real-world Case Study: Learn from AAM's experience and understand the step-by-step process of transitioning from MES to ERP.

Expert Insights: Hear from the team that managed the deployment and stabilization, and get valuable tips on handling similar transitions in your organization.

Strategic Advantages: Discover the benefits of integrating Plex ERP for managing EDI and operational transactions and how it can enhance your enterprise efficiency.

Speaker: Tony Brown, Ben Bird

Session Type: Customer Voices

Join us for an exciting and insightful session where we delve into Superior Trim's groundbreaking sustainability initiatives. Discover how this forward-thinking company is strategically reducing its carbon footprint by monitoring and using energy efficiently, identifying waste improvements, and maximizing opportunities during peak consumption. The session will explore the innovative technology architecture that brings together disparate internal and external systems, leveraging the power of DataMosiak and Plex for advanced machine learning analytics and outputs.

What Attendees Will Get:

In-depth Understanding: Gain a comprehensive understanding of the strategic business drivers behind Superior Trim's sustainability initiatives, including the environmental and financial benefits.

SESSION NAME

CV06 GREEN TECH REVOLUTION:
SUPERIOR TRIM'S JOURNEY TO
SUSTAINABLE AUTOMATION

IE81 - INTEGRATING FACTORYTALK
ANALYTICS VISIONAI AND PLEX QMS
TO MANAGE VISUAL INSPECTION

IE83 - INTRODUCTION TO THE MES
RESILIENT EDGE



ABSTRACT

Benefits for Attendees:

Technological Insights: Learn about the challenges and solutions in integrating various systems to create a cohesive technology architecture. Discover how DataMosiAx is utilized for machine learning analytics to drive sustainable outcomes.

Speaker: Grace Miller, Tammy Cooper

Session Type: Customer Voices

New Product Introduction

Visual inspection is 87% effective and requires seven layers of inspection to achieve 100% inspection. To alleviate the inaccuracy and ineffectiveness of visual inspection Plex QMS and FactoryTalk® Analytics™ VisionAI™ can communicate product requirements and inspection results, storing the completed data in Plex QMS. This session reviews how the solutions work together to provide accurate, real-time inspection results and remove the inefficiencies that affect visual inspection.

Speaker: Brian Martensen, Carl Lewis

Session Type: Insights & Education

New Product Introduction

Learn now to realize the benefits of a resilient elastic MES by leveraging cloud and edge-based technologies, delivering scalable, highly available, highly automated manufacturing.

Speaker: Hayden Foot

Session Type: Insights & Education

SESSION NAME

**GAIN VISIBILITY WITH PLEX MES
TO ACHIEVE OPERATIONAL
EXCELLENCE IN YOUR
MANUFACTURING ORGANIZATION**

**IE09 - EMPOWER YOUR WORKFORCE
THROUGH WORKFORCE CONNECTION
WITH PLEX CONNECTED WORKER -
A PANEL DISCUSSION**

**IE80 - HARNESSING CONNECTED
INTELLIGENCE WITH PLEX:
AI-DRIVEN INSIGHTS FOR
SMARTER MANUFACTURING**

**ABSTRACT****MES**

Case study of a manufacturing operation running the Plex by Rockwell MES and ERP. In this session we will show how we were able to turn around an underperforming company, rife with information silos, lack of discipline, disjointed systems and lack of cohesiveness into a high performing, profitable manufacturing center. We'll cover the technical aspects of the Plex software, as well as our process to stabilize and optimize the operating system to rapidly pivot to profitability.

Speaker: Patti Nowak, John Howard II

Session Type: Partner Solutions

Connected Worker

Join us for a panel with Plex customers to explore how Plex Connected Worker empowers your workforce and drives productivity through innovative solutions. Gain insights and best practices from manufacturers across various industries on enhancing workforce connection and collaboration.

Speaker: Michael Masser

Session Type: Insights & Education

Data and Analytics

Explore the power of "Connected Intelligence" in manufacturing with AI-driven insights, when solutions like FactoryTalk® Analytics™ Vision-AI™ and QMS integration converge with plant data from platforms such as Plex Analytics. This session will showcase AI applications in quality control and process automation, highlighting their impact on business efficiency and responsiveness. Learn how Plex's "headless MES" capabilities, like REST APIs and ODBC connectivity, enable a bring-your-own-AI strategy, allowing you to integrate your preferred AI/ML tools with comprehensive manufacturing data for advanced insights.

Speaker: Manu Ravichandran, Devin Burke

SESSION NAME**IE79 – FOOD SAFETY MANAGEMENT
WITH PLEX****IE82 – SUSTAINING OPERATIONAL
EXCELLENCE: LEVERAGING PLEX
MES AND QMS AMID WORKFORCE
CHANGES****ABSTRACT****Food and Beverage**

Providing safe food & beverage products maintains your standing as a reputable food manufacturer. Plex, by Rockwell Automation, has blended features into its QMS and MES solutions that promote safe process management by helping prevent hazard occurrence through HACCP, and seamlessly manage inventory – and process exceptions – with silo and tank management and lot traceability. The overview of these tools demonstrates how your QMS and MES need to work together to ensure that you consistently deliver safe products to the consumer.

Speaker: Brian Martensen, Stacy Feeley

Session Type: Insights & Education

As the workforce ages and experienced employees retire, companies face the challenge of losing valuable knowledge and skills. This session will explore how Plex Manufacturing Execution System (MES) and Quality Management System (QMS), along with other Rockwell Automation solutions, can tackle this issue. Through engaging use case discussions, we will demonstrate how these tools capture and retain critical process knowledge, ensuring continuity and efficiency. Learn how Plex MES can document and automate complex production processes, preserving essential knowledge as senior employees retire. Discover how Plex QMS can maintain high-quality standards and compliance, even as experienced workers leave. Benefits include improved data accuracy, streamlined operations, enhanced quality control, and significant cost reductions by reducing waste, optimizing resources and minimizing downtime. Attendees will gain practical insights into addressing the challenges of an aging workforce while boosting overall productivity and quality.