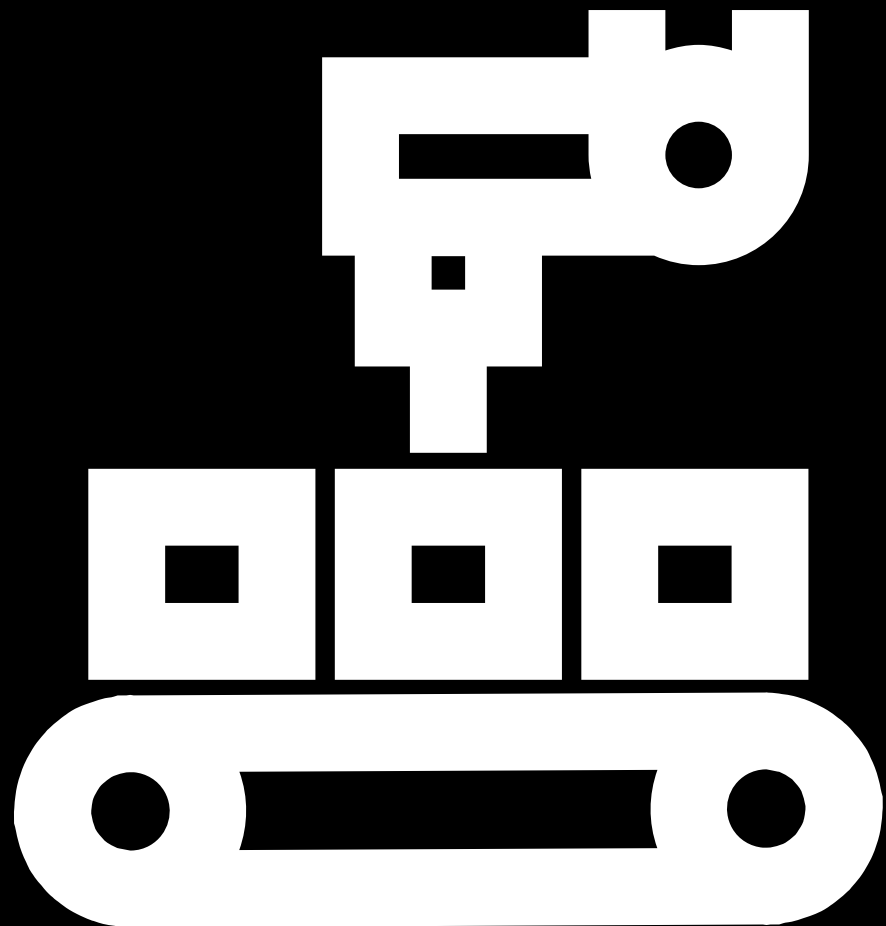


SOLUTION OVERVIEW

# PLEX MANUFACTURING EXECUTION SUITE (MES)



Smart Manufacturing  
Starts Here

# Smart Manufacturing Starts Now.

We don't have to tell you that being a manufacturer is tough today—you feel the pressure every day.

Rapid globalization, technological advancements, changing consumer preferences, and evolving regulations are continually reshaping the industry, increasing competition, and raising the bar on performance.

You need to continually innovate and deliver 100 percent quality—100 percent of the time. But operational hurdles, including too much paper and too many manual processes, limited visibility into work in progress, traceability issues and more, often get in the way. Working harder isn't the answer—working smarter is.

Smart manufacturing offers new opportunities to connect people and systems, automate processes, track data from end to end, and capture and analyze information like never before. With smart manufacturing, your environment is connected, controlled, and operating at maximum levels of efficiency and accuracy. Its foundation requires an integrated platform that unites all of the domains needed to engineer, manufacture and deliver today's smart products—a solution like the Plex Manufacturing Execution Suite (MES).

## Get ready to see your challenges in the rearview mirror.

Today's manufacturers need to increase resilience in their operations—no one can afford to be mediocre at anything they're doing in manufacturing.

If manual processes and disconnected systems are causing your organization to experience any of the challenges below, your operation will benefit from the Plex MES.

-  - High levels of scrap and rework
-  - Excessive inventory carrying costs
-  - Traceability issues
-  - Limited visibility into work-in-progress
-  - Missed production schedules
-  - Poor production throughput
-  - Extreme errors
-  - Operating with old data
-  - Slow reaction times

**With Plex MES, the paper chase ends. Control, transparency, and synchronization become your “modus operandi.” New levels of performance are achieved, and doing more without adding more becomes the norm.**

# Whatever you make... make it smart with Plex MES.

Plex MES puts better connectivity, increased automation, more precise tracking, and deeper data analysis within reach and opens the door to smart manufacturing by delivering a solution that unites all of the domains required to engineer, manufacture and deliver top quality products.

## The Plex Difference

Traditional MESs focus mainly on the plant floor, with minimal integration beyond your factory's four walls. A unified MES/Manufacturing Operations Management (MOM) solution like Plex MES offers the flexibility and functionality required to enable smart manufacturing. With Plex MES, you'll gain control of

your plant floor with a comprehensive, real-time view of your entire production lifecycle and full connectivity to your ERP. You'll easily automate tasks, prevent errors, drive in-line quality, and synch up the top floor with the plant floor. The result? Less risk, higher quality, happier customers and a healthier bottomline.

**Plex MES puts you back in the driver's seat. So put your foot on the gas, greatness awaits...**

### VISIBILITY

Gather real-time and accurate material and traceability data to make sure your production is always running smoothly.

Improve reporting efficiency and accuracy with a single, digital source of real-time production and scrap data.

Mitigate recall risk and/or exposure of recalls with easy access to accurate, database-driven traceability information.

### QUALITY

Ensure quality processes are consistent and comply with specified quality standards.

Instill quality through closed-loop checks and preventive measures without degrading production performance.

Operationalize quality activities and ensure check sheet compliance with in-line quality control.

### CONTROL

Choreograph production processes directly from the control plan to short-en cycle times and improve efficiency.

Increase productivity and eliminate manual process errors with paperless operator control.

Streamline production workflows with a flexible, configurable manufacturing-specific solution designed to complement your ERP.

## Plex MES: The power of TWO in ONE smart manufacturing suite



### Manufacturing Execution

- Production
- Labor Tracking
- Tooling
- Maintenance
- Quality
- SPC
- Control Plan
- Deviation Tracking
- Inventory
- Traceability
- Genealogy
- Barcoding



### Manufacturing Operations

- Production Planning & Finite Scheduling
- BOM & Recipe Control
- Engineering
- Inventory Management
- Costing Product Management

# Prepare for new possibilities.

Say goodbye to manual systems, spreadsheets, quality issues, compliance headaches, missed deadlines and all that stuff that's keeping you up at night. And, say hello to the ability to solve problems before they become problems.

Plex MES connects every manufacturing operation for maximum efficiency, productivity, and visibility, while supporting your ability to continuously innovate. That's what we call smart manufacturing.

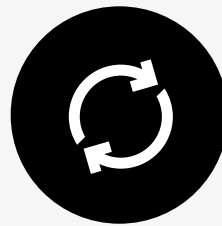
## CONNECT

to business operations with a platform designed for the complexity of manufacturing.



## AUTOMATE

production transactions and manual tasks for greater accuracy and higher-value activities.



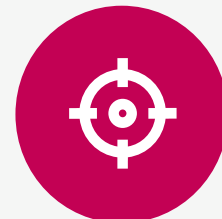
## ANALYZE

data collected at each manufacturing moment in the context of your enterprise-wide goals and metrics.



## TRACK

materials effectively from receipt to shipment—including WIP—for a real-time view of the business.



## Security. Reliability. Continuous Innovation.

The name of the game for today's manufacturers is continuous innovation. You need to stay agile as new challenges and opportunities arise. Doing so requires a software solution safe from security risks, vulnerabilities, unauthorized access and data theft.

Plex MES isn't your average cloud solution. Unlike many competitive solutions, Plex was born in the cloud, not retrofitted to it later. So, you get world-class hardened security, high availability and scalability, and most importantly an environment that keeps you on the leading edge.

With traditional on-premise, hosted, and even most SaaS vendors, you have to wait anywhere from a quarter to a year or longer to get new releases that patch bugs or offer new functionality. You're also sometimes forced into painful upgrades to take advantage of these updates. With Plex, you never have to wait for the latest and greatest. We deliver new features and improvements on a nearly daily basis, and you're free to take advantage of them at any time.

### Plex's world-class cloud infrastructure:

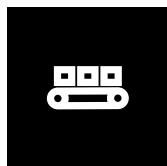
- Maintains a best-in-class "A" security rating by SecurityScoreCard.com, consistently outperforming our peers' ratings.
- Provides exceptional system performance, exceeding our SLA with an uptime of 99.997% and outperforming the SLAs of most public clouds.
- Offers an integration layer with flexible, modern APIs to connect you to an ecosystem of complementary capabilities developed by other businesses including Plex customers.

# Boost your top line, bottom line, and every line in between.



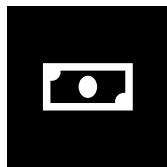
## Improve Manufacturing Quality and Control

Error-proof your manufacturing processes from raw materials to finished goods. Mitigate the risk of recalls by tracking the exact components used in each product you make.



## Increase Output

See what's happening in real time and spot problems before they slow you down. Monitor and adjust the cycle time for each step in your manufacturing processes to minimize WIP and accelerate production.



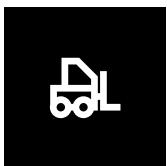
## Eliminate Unnecessary Costs

Streamline operations to reduce the time it takes to make each product, eliminate downtime, and minimize waste.



## Reduce Scrap and Rework

Precisely analyze production lines and finished products to detect any inconsistencies and immediately address them to limit faulty products and materials wasted.



## Decrease Inventory

Eliminate the need to store surplus inventory with complete visibility into what is on hand at each facility, and what needs to be ordered.

# Plex MES Delivers Real Value.

## Automotive Supplier **Eurotrancitura Mexico**

Reduced scrap rates from

**2.5%** to **1.5%**

Eliminated premium freight costs, previously **0.7%** of total sales.

Achieved nearly **100%** on-time delivery.

## Food manufacturer **Hausbeck Pickles & Peppers**

**99.6%**

inventory accuracy, up from **70%**.

Saved **\$500,000** in inventory write-offs due to tighter controls & visibility.

**100%**

of quality specifications connected to the production floor.

## Automotive Supplier **G&W Products**

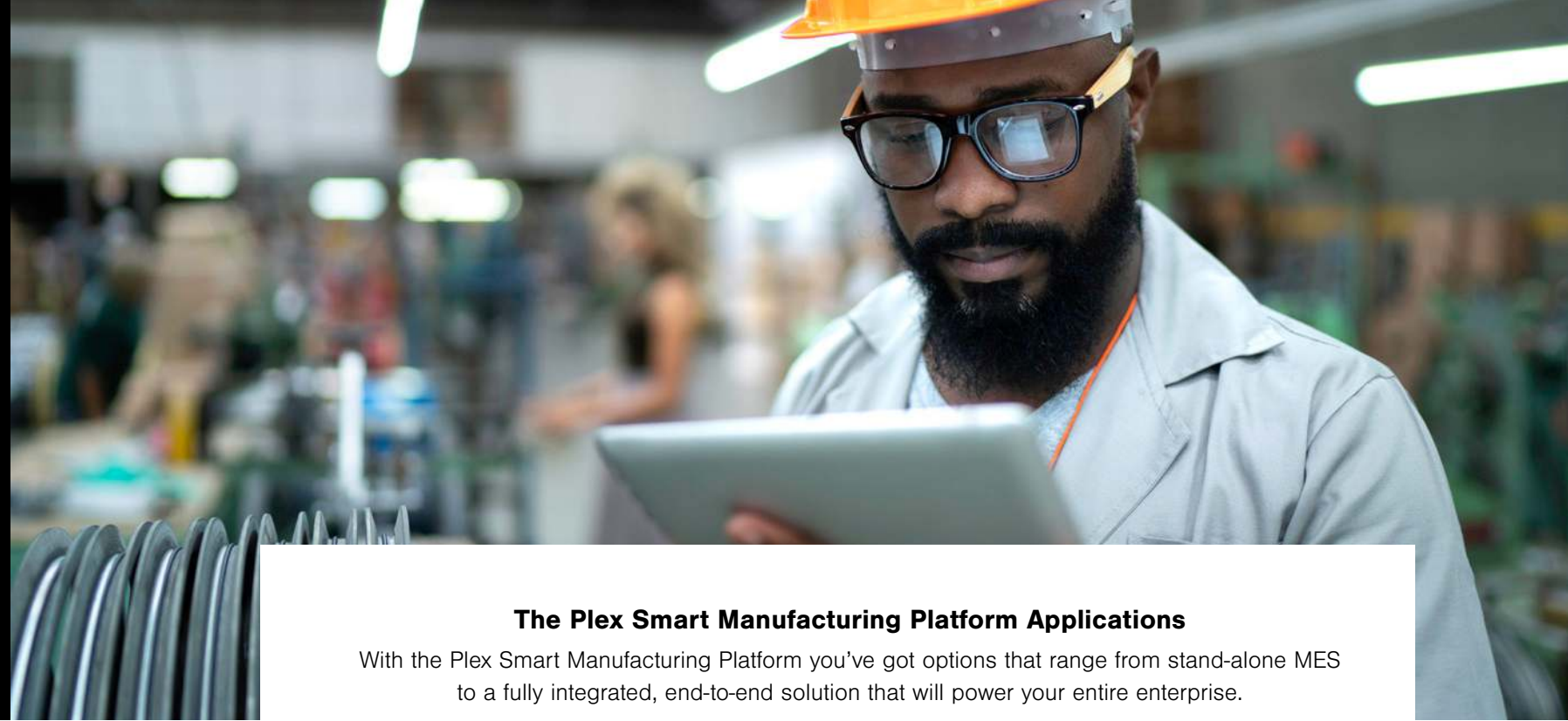
**10-15%**

increase in delivery rates over a **9** month period.

Reduced inventory to **< 40 days** on hand delivery.

Increased profitability on existing revenue by **12%**

# Future proof your business with the Plex Smart Manufacturing Platform.



## The Plex Smart Manufacturing Platform Applications

With the Plex Smart Manufacturing Platform you've got options that range from stand-alone MES to a fully integrated, end-to-end solution that will power your entire enterprise.

The Plex Smart Manufacturing Platform was born on the plant floor and is purpose built for smarter manufacturing—today and tomorrow.

In a single digital system of record and engagement, Plex makes it possible for manufacturers to reach new levels of visibility, quality, and control throughout their operation.



**Plex Enterprise Resource Planning (ERP)** is a full-featured, scalable, cloud-based ERP that automates front- and back-office processes, including financial management, revenue management, human capital, order management, billing, and inventory.



**Plex Manufacturing Execution Suite (MES)** is a comprehensive manufacturing software solution that provides real-time, paperless production management to drive enterprise-wide compliance, quality, and efficiency.



**Plex DemandCaster Supply Chain Planning (SCP)** combines data from multiple departments across your business to sync up demand and supply forecasting to improve inventory accuracy and production management.



**Plex Quality Management System (QMS)** is a cloud-based digital quality solution for manufacturers that standardizes and automates quality documentation, processes, and measurements.



**Plex Industrial IoT (IIoT)** combines process, operational, and machine-level data through highly visual dashboards that empower manufacturers to improve business processes and plant floor production efficiency.



**Plex Manufacturing Analytics** supplies preconfigured, role-based dashboards and reports that display manufacturing-specific insights using industry-standard key performance indicators (KPIs).

**ANYTHING THAT CAN  
BE MADE, CAN BE  
MADE BETTER...**

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