

WHITE PAPER

MAXIMIZE YOUR IIOT STRATEGY IN THE CLOUD

AT A GLANCE

Manufacturers lose plant floor efficiency gains when they don't have a full view of production.

Silo'd data makes it tough to analyze insights used to drive everyday business.

The industrial Internet of things (IIoT) is a network of always-connected "things" and systems that produce data to drive efficiency.

Maximize IIoT using cloud ERP and manufacturing systems as the hub for connecting and sharing important, value-added business insights across the business.



Manufacturers can streamline their operations and boost their competitive advantage, but disconnected processes, systems, and data are roadblocks. Many companies manage an already complex environment with an equally complex web of systems for financials, CRM, manufacturing execution, supply chain planning, and more. In addition, when decision-makers lack visibility into shop floor operations, planning and execution become a guessing game. The problem intensifies when demand fluctuates or supply chain disruptions occur—especially for businesses with multiple locations.

Disconnected Manufacturing Leaves Opportunities Stuck in Silos

Manufacturers also face other problems like:

Lax reporting. When reports

on manufacturing, machine, and production are not accurate, it can lead to inefficiencies and lost opportunities.

To solve this problem, manufacturers have been sophisticated in their approach, not only in the challenge of maintaining ever-changing demand and new-endings package. One common mistake is to drop data from each point in the spread sheet. This approach, at the same time, generates a



The IIoT and Digital Transformation

You might hear related terms like Industry 4.0, Smart Manufacturing, Factory of the Future. All center around the digital and business transformation taking place in manufacturing hardware. The growing intelligence and communication capabilities in industrial equipment is accomplishing far more than simply automating existing processes and reducing

At the same time, the real opportunity is the advent of big manufacturing data. The challenge is to build a more complete foundation:

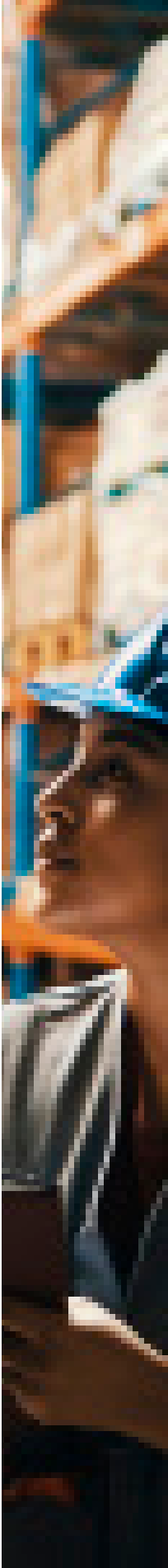
Dashboards and analytics.

By aggregating data from multiple locations in a single screen, manufacturers can view all the complex data and monitor each area of production through a single pane of glass.

Augmented reality. Specialized wearable devices enable production workers to see real objects and virtual reality at the same time, enhancing the amount of information they have available to examine production machines.

And Week 1 plain :

“Instead of trying to guess what’s wrong with a particular part, you can have the part actually show you whether it’s within tolerance and whether it’s working correctly using a combination of the Internet of Things and augmented reality...The device or item will not only tell you



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Cloud is the Foundation for IIoT

Leading manufacturers understand and have the scalable computing and storage capabilities needed in the cloud to help them manage data going forward. The cloud allows them to make it easier for manufacturers to integrate new devices and machine into all communication ecosystems. And it's the most essential technology for managing a diverse set of data points and communication.

A cloud MES or ERP system acts as a backbone for all of a production system and represents a single source of truth. The Plex Smart Manufacturing Platform is designed to help you make decisions with confidence and speed. It gives you one source of data from which you can analyze updated data in actionable insights. This enables you to deliver the right information to the right person to empower you to make strategic decisions, to drive production efficiency. You can view and act on this data from anywhere in the enterprise to mobilize your mobile devices with on-the-spot capabilities, creating the most complete, unified, comprehensive manufacturing infrastructure in the cloud.

Connect Your Business

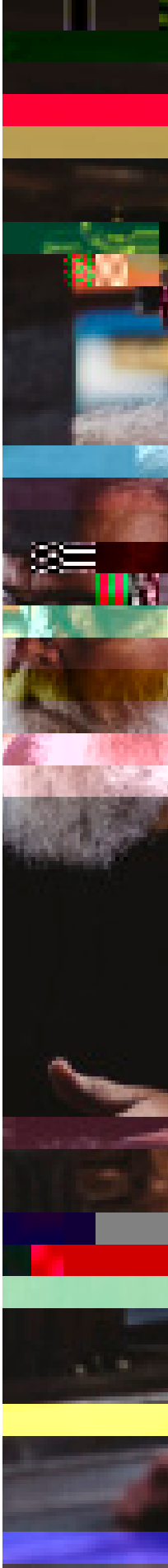
Increasing the efficiency of a shop floor operation is about more than simply increasing a production volume. It's also about leveraging data about a production to gain the insight you need to optimize your entire manufacturing business, not just production. That's where the Plex Smart Manufacturing Platform connects a business to everything it needs to have data communication, from the shop floor to the shop floor and from a customer to a supplier, even while asleep.

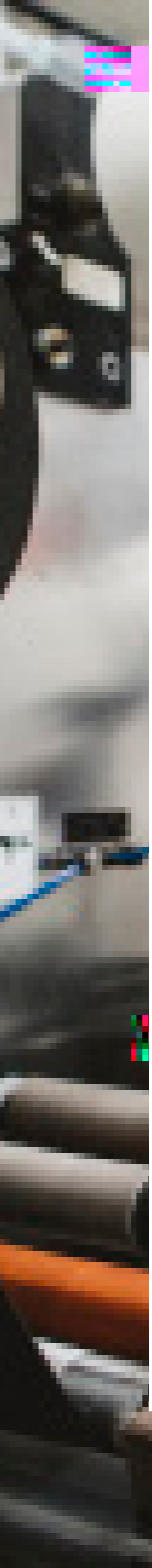
Plus enable you to:


Connect your people. Everyone can see how their job relates to the health of a business and can make a difference. Everyone can bring in data from the shop floor to make decisions based on information at the manufacturing moment. Line workers can make email, text, or phone calls, and real-time information has helped

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Digitize and Automate Your Enterprise







Cloud is Your Path Forward

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