

THE POWER OF DATA IN MANUFACTURING

In the digital age, manufacturing is in a constant state of change. What made a company a leader yesterday does not guarantee future success in a rapidly shifting landscape. Companies must evolve with technological advancements to excel. Savvy manufacturers understand that by putting data into action, it's possible to increase productivity, efficiency, collaboration and product quality.

INCOMPLETE TRANSFORMATION

The shift to a digital enterprise continues. Accelerating this transformation increases the opportunity to reap the benefits.

67%

of industrial companies say digitizing production is one of their highest priorities.

12%

Manufacturers expect efficiency gains of from IOT and other digital technologies...

23%

...but only have rolled out new connectivity solutions company-wide.

70%

of manufacturing CEOs say the lead time required to move their organization in a new direction is daunting.

DATA-POWERED MANUFACTURING PROCESS

Nearly every step of the manufacturing process can be improved by having real-time access to all relevant data in one actionable repository.

UPTIME

Real-time operations visibility—combined with connected technologies like predictive maintenance and AI-informed workflows—slashes costly downtime.

QUALITY AND SAFETY

By leveraging their data and new technologies, manufacturers raise product quality and ensure operational safety.

SUPPLY CHAIN MANAGEMENT

An integrated supply chain provides manufacturers insight, from real-time collaboration to improving production ramp-up and ramp-down.

DESIGN AND ENGINEERING

Using a virtual experience twin, manufacturers design, prototype and build a virtual 3D model before starting on the physical product. This speeds innovation, improves quality and reduces costs.

STRATEGY AND INNOVATION

When all the right data flows to decision makers in real time, all team members can see the full picture and easily remove roadblocks to make better decisions.

PLANNING AND PRODUCT DEVELOPMENT

Manufacturers analyze real-time feedback from after-sales data, social media, IOT and beyond, and use what they learn to improve new product development.

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TRANSFORM YOUR PROCESS**

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Data Sources: "How digital manufacturing can escape 'pilot purgatory,'" – McKinsey & Company, 2018
"Ready to lead, but struggling to keep pace: survey highlights challenge of manufacturing in the digital age," – KPMG, 2018
"Digital Factories 2020: Shaping the future of manufacturing," – PwC, 2017