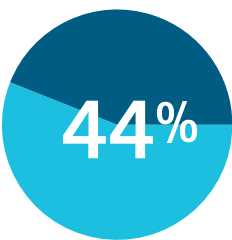# SIEMENS

DIGITAL INDUSTRIES SOFTWARE

Improving manufacturing planning

How to increase efficiency with smart manufacturing

Global trends

Disruptive influences: More businesses are using Industry 4.0 technology to boost their operating efficiency.

44% Of companies are prepared to go digital.

Smart factories: Smart technology, like the industrial internet of things (IIoT), cloud environments, artificial intelligence (AI) and machine learning (ML), are driving the implementation of the intelligent factory.
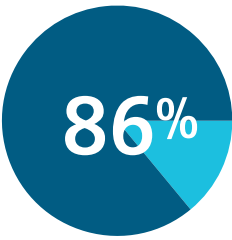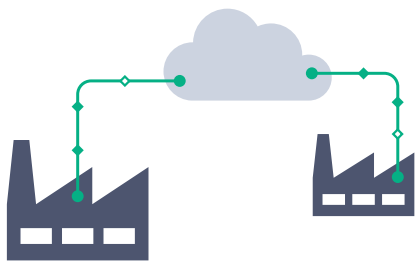
86% Of companies believe that cloud technology is critical to their digital transformation.

Business model changes: Technological solutions are improving operational efficiency by displacing product-centric approaches to workplace challenges.
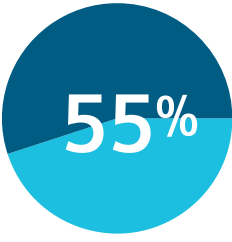
55% Of companies will increase their hours spent using technological skills by 2030.

Challenges

- Minimal visibility into the factory environment
- Planning and scheduling bottlenecks
- Disparate domains and stakeholders
- No means for storing information or tracking progress
- Limited service expertise
- Slow ramp up times

Solutions

Optimize planning
Use the digital twin to simulate your intelligent factory, line or machine, providing a base for flexible manufacturing.

Improve collaboration
Work across domains and source suppliers using a single information source that stores important planning documentation.

Track progress
Gain project information across all global facilities with real-time dashboards, adjusting planning operations accordingly.

Increase expertise
Improve manufacturing efficiency and accelerate ramp up by partnering with our digital service experts.

Benefits of using a Siemens solution

Overview
Increase product quality by 30 percent.

Execute
Improve manufacturing efficiency by 15 percent.

Optimize
Decrease root cause analysis time by more than 50 percent.

What's next?
Smart manufacturing is part of the Siemens Xcelerator business portfolio of software, hardware and services.

| Learn how | Learn how | Learn how | Learn more |

For more information, visit: **siemens.com/im/sm**