

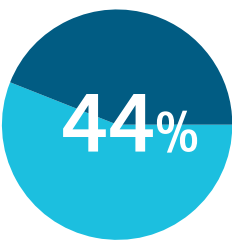
DIGITAL INDUSTRIES SOFTWARE

Improving manufacturing execution

Increasing efficiency with smart manufacturing

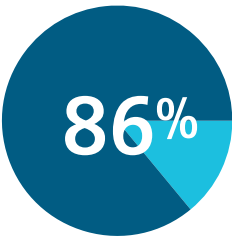
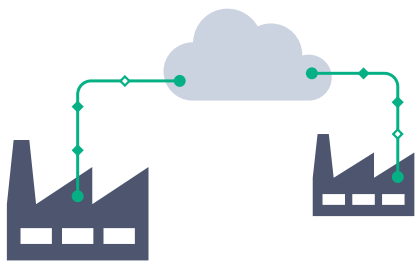
Global trends

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



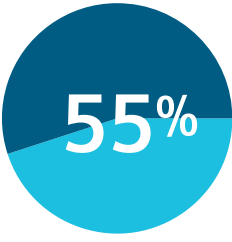
Of companies are prepared to go digital.

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.



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.



Of companies will increase their hours spent using technological skills by 2030.

Challenges

- ✓ Inflexible manufacturing systems
- ✓ Procedural bottlenecks
- ✓ Disparate systems and information silos
- ✓ Limited variance across products
- ✓ Overreliance on physical commissioning
- ✓ Slow delivery of projects

Solutions

Increase flexibility	Improve manufacturing efficiency	Maximize profitability	Accelerate delivery
Gain greater manufacturing efficiency using a flexible manufacturing execution system (MES), synchronizing production without losing quality.	Integrate customer requirements, regulatory protocols and quality expectations to accelerate manufacturing execution.	Use the digital twin to realize product variants, completing projects sooner and expanding to more markets.	Validate and commission programmable logic control (PLC) code virtually to scale-up automation system installation.

Benefits of using a Siemens solution

Overview	Plan	Optimize	What's next?
Increase product quality by 30 percent.	Reduce commissioning time by 30 percent.	Decrease root cause analysis time by more than 50 percent.	Smart manufacturing is part of the Siemens Xcelerator business portfolio of software, hardware and services.
Learn how	Learn how	Learn how	Learn more