SIEMENS

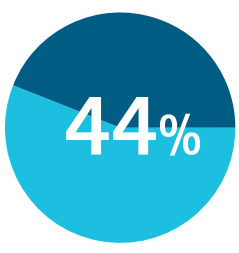
DIGITAL INDUSTRIES SOFTWARE

Optimizing manufacturing quality

Increasing efficiency with smart manufacturing

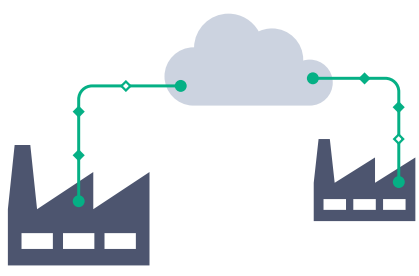
Global trends

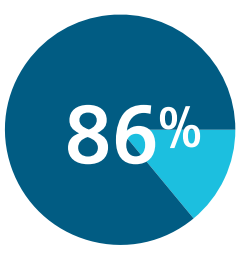
Disruptive influences: More businesses are using Industry 4.0 technology to boost their operating efficiency.



Of companies are prepared to go digital.

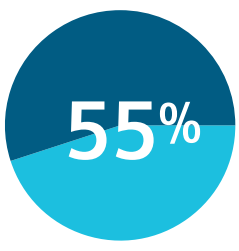
Smart factories: Smart technology, like the industrial internet of things (IIoT), cloud environments, artificial intelligence (AI) and machine learning (ML), are driving the implementation of the intelligent factory.





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.



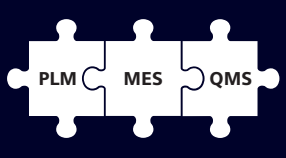
Of companies will increase their hours spent using technological skills by 2030.

Challenges

- Disparate product and quality systems
- Limited data capabilities
- No means for actionizing data
- Rigid manufacturing processes
- Minimal competitive differentiation
- Poor quality assurances

Solutions

Improve control

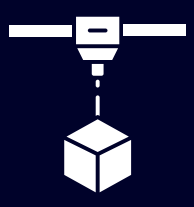


Integrate product lifecycle management (PLM), a manufacturing execution system (MES) and a quality management system (QMS) to holistically control quality.

Optimize processes

Capture performance analytics using IIoT and edge-sharing device data to make continual quality and efficiency improvements.

Differentiate competitively



Create lighter, stronger and higher-quality products using 3D printing and additive manufacturing capabilities that cannot be naturally replicated.

Foster quality

Gain greater manufacturing efficiency by putting quality at the heart of your company culture.

Benefits of using a Siemens solution

Overview
Increase product quality by 30 percent.

Learn how

Plan
Reduce commissioning time by 30 percent.

Learn how

Execute
Improve manufacturing efficiency by 15 percent.

Learn how

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

Learn more

Trend statistics pulled from McKinsey, Checkpoint and Forbes.
Benefit statistics pulled from HCM, SW Machines and Meccanotecnica Umbra.
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