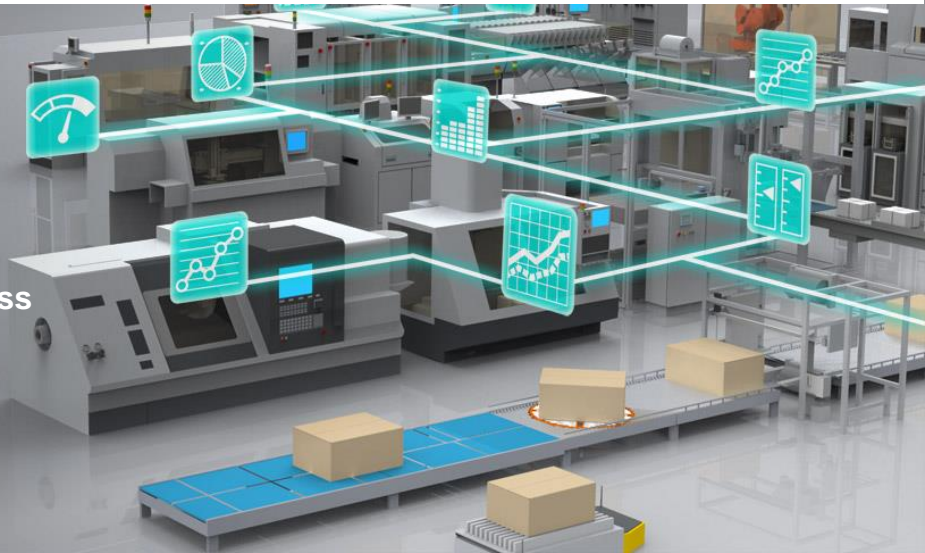


Kick-Start Your Industry 4.0 Journey

Enhance overall equipment effectiveness to boost productive efficiency



OEE: The Gold Standard in Industry 4.0

Since the advent of Industry 4.0, a number of challenges have been stacking up at production lines. These challenges include high- or low-quantity production, an increased demand for customized products, zero-error production, and mixed-model production lines. Consequently, these challenges have set in motion a number of changes in factories, culminating with the introduction of new technologies and concepts.

As optimal production is pivotal in the age of Industry 4.0, overall equipment effectiveness (OEE) has emerged as the key performance index (KPI) in the manufacturing industry. OEE benchmarks the percentage of manufacturing time that is truly productive. An OEE score of 100% shows that you are manufacturing only good parts, as fast as possible, with no downtime. OEE's KPI formula incorporates three elements: availability (no downtime), performance (the speed of production), and quality (percentage of products up to standard).

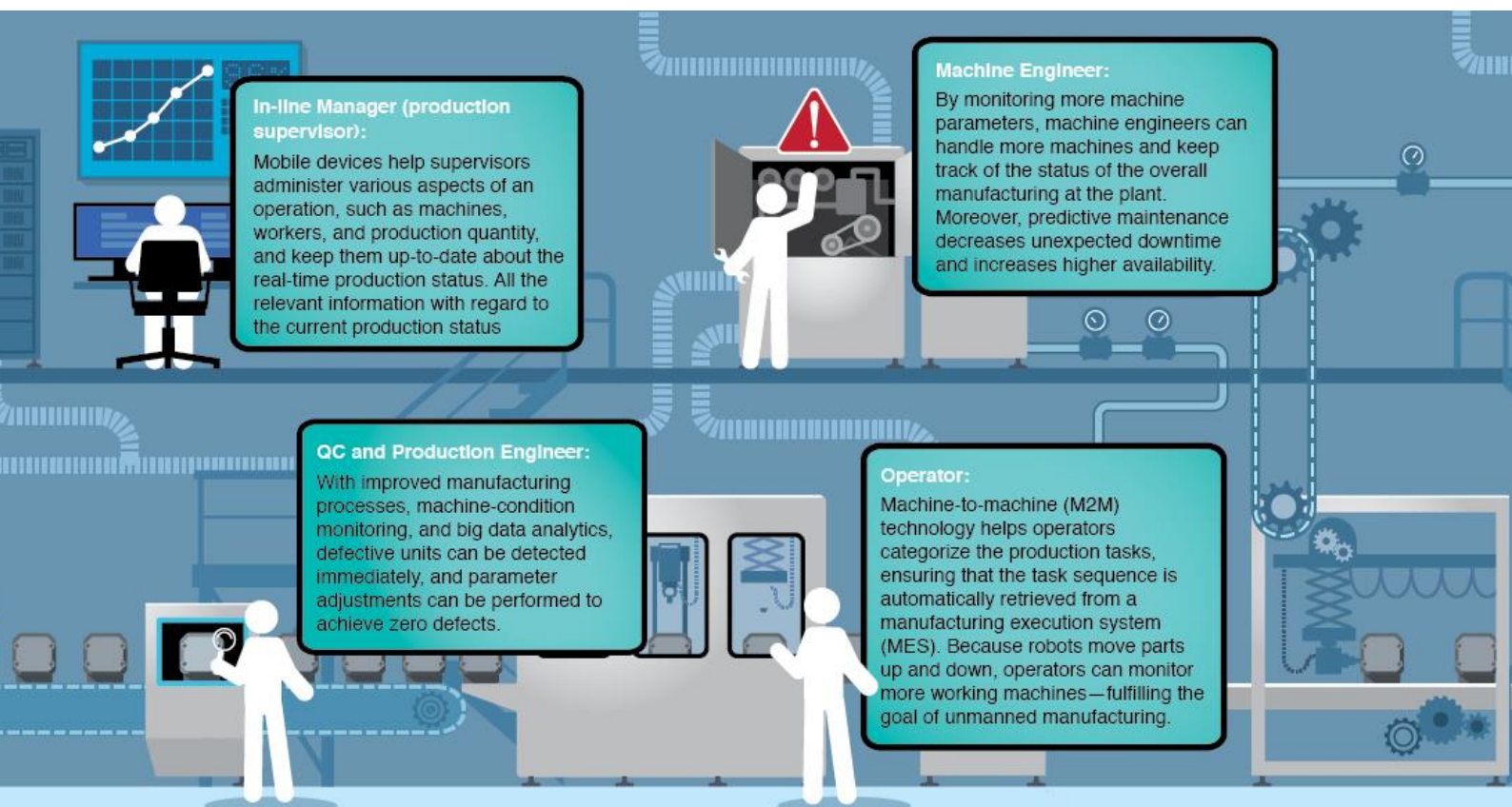
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White Paper

Device Connectivity Is the Key to Optimal OEE in Industry 4.0



Measuring OEE Provides Benefits for Different Roles Throughout the Production Process



The Keys to Enhance OEE



Availability

Understanding machine status to reduce downtime and improve network availability

- Collecting data for predictive maintenance
- Building network infrastructure to maximize uptime



Performance

Reducing the changeover time to increase the productivity of machines or operators

- Using reliable on-chip flow-control data transmission increases productivity
- An intelligent supervisor meets various demands for mixed-model production



Quality

Achieving zero defects and providing early warnings

- Detecting defective products and sending early warnings

Featured Product



NPort 5000 Series

Understanding machine status to reduce downtime and improve network availability

- Collecting data for predictive maintenance
- Building network infrastructure to maximize uptime



ioLogik E1200 Series

Reducing the changeover time to increase the productivity of machines or operators

- Using reliable on-chip flow-control data transmission increases productivity
- An intelligent supervisor meets various demands for mixed-model production



MGate MB3000 Series

Achieving zero defects and providing early warnings

- Detecting defective products and sending early warnings

Enquiry ▶

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