i-BELT

OMRON

i-BELT is a Lean Six Sigma approach focused on reducing waste and improving efficiency. "*i*" means Integrated, Intelligent, Interactive. "**BELT**" refers to Lean Six Sigma levels and eliminating the 8 types of production waste.

Drive operational excellence

WITH DATA, INSIGHT & ACTION

Our approach *i*-BELT

1 Digital lean transformation

Optimize operations by combining Lean methodologies with digital technologies to eliminate waste, improve productivity, and enable real-time decision-making. Our approach enhances efficiency, quality, agility, and continuous improvement through smart data, automation, and connected processes.

Key benefits

- Increased operational efficiency
- Reduced costs and downtime
- Real-time performance visibility
- Improved quality and productivity
- Faster and smarter decision-making

2 IT-OT Convergence

Connect enterprise IT systems with industrial OT environments to create a unified, intelligent, secure and compliant operational ecosystem. This integration enables seamless data flow, smarter automation, and enhanced operational control across the organization.

Key benefits

- End-to-end operational visibility
- Improved system interoperability
- Enhanced cybersecurity/compliance
- Predictive maintenance and analytics
- Accelerated Industry 4.0 transformation

Driving operational excellence through data & IT/OT integration

1 Co-creation & assessment

- Align IT/OT and operational objectives
- Identify process gaps and improvement opportunities
- Define Six Sigma KPIs and project scope

2 Data collection & installation

- Integrate IT/OT systems and shopfloor equipment
- Collect real-time production and quality data
- Ensure accurate, reliable, and secure data flow

3 Visualization & Analyses

- Monitor KPIs through real-time dashboards
- Analyze process deviations and root causes
- Transform data into actionable insights

4 Improvement & control

- Implement corrective and preventive actions
- Reduce downtime, scrap, and variability
- Sustain continuous improvement and performance gains

For more information visit
industrial.omron.eu

From reactive to proactive.
From data overload to clear decisions.
Better data. Better insights. Better results.