

IoT: Driving Digital Transformation

“Within 2 weeks we could produce OEE reports and make decisions based on real data, not assessments. Within a month of installing LeaderMES, we increased our manufacturing floor productivity by over 10 percent.”

— Yair Avigdor
COO, Lordan



Challenge

Lordan manufactures thermal-engineering heating and cooling systems with a global reputation for delivering high-quality custom-made designs and supply flexibility. Lordan needed a manufacturing automation system that could identify bottlenecks, reduce downtime and waste, and improve overall equipment effectiveness (OEE). Requirements included the ability to view overall throughput and track mission-critical manufacturing information in real time directly from the production floor, rather than rely on periodical assessments.

Business Outcomes

- Direct cost savings within weeks of the system’s deployment
- Immediate identification of material-flow bottlenecks with mid shift change management to rectify issues
- Workforce optimization savings of more than 600 labor hours a month
- Increased production visibility and real-time measurement increased production floor productivity more than 10 percent

Solution

- IoT connectivity: Cisco® 819 Industrial Router with WiFi access point
- Fog application execution environment: Cisco IOx
- Fog application: LeaderMES
- IoT security: policy-based network controls, IOx application security

