

# Microsoft Fabric for Manufacturing

Give your operations and executive teams real-time visibility into production, quality, and supply chain performance.

## EXECUTIVE SUMMARY

Your ERP, production floor, quality, and supply chain data live in separate systems that do not share information. Your operations team assembles weekly reports manually. By the time those reports are ready, the production numbers have already changed. Microsoft Fabric brings your manufacturing data together into one analytics platform: production performance, supply chain status, quality trends, and financial data in real time.

## THE BUSINESS PROBLEM

Manufacturing executives need real-time visibility into production performance, inventory levels, quality rates, and supply chain health to control cost and maintain output. This information lives across ERP, MES, quality management, and supplier systems that do not naturally share data. Building a weekly operations report requires pulling data from multiple systems, reconciling conflicting numbers, and formatting results manually.

## HOW ARMELY SOLVES IT

Armely helps your operations and executive teams **gain real-time visibility into production, quality, and supply chain performance** by using **Microsoft Fabric** to connect your ERP, MES, and supplier data into one analytics platform. Your leadership stops building reports manually and starts acting on information that reflects what is happening on the production floor today.

## BUSINESS OUTCOMES

- Reduce operations report preparation time by **70%**
- Provide same-day visibility into production performance, quality rates, and inventory levels
- Identify supply chain disruptions earlier and respond before they affect output
- Reduce scrap and rework costs by spotting quality trends in real time
- Build the data foundation required for AI-driven forecasting and predictive maintenance

### Industry Scenario

#### **Supplier Quality Monitoring — Mid-Size Manufacturer**

*A mid-size manufacturer integrates ERP, MES, and supplier data into Microsoft Fabric. Operations leadership identifies a 7% increase in defect rates tied to a specific supplier batch within 24 hours instead of discovering it two weeks later during a scheduled quality review. The team avoids a full production run of defective output and a costly recall.*

## WHY THIS MATTERS NOW

Supply chain volatility continues. Input costs are rising. Manufacturers that see their operations in real time make better decisions faster than those waiting for manually compiled reports. Your competitors are already investing in unified data platforms. The window to close that gap is narrowing.

## RECOMMENDED NEXT STEP

**Schedule a data readiness review with your operations or ERP administrator this week.** If you want Armely to run that review with you, contact us at [info@armely.com](mailto:info@armely.com) or **972-460-0643**. We can turn around a findings report within **5 business days**.