

# TRANSFORMING MANUFACTURING WITH SMART SOLUTIONS

From Legacy to Smart: Cutting Downtime by 30% with IoT Integration

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## Challenges



The client faced the challenge of integrating legacy systems with modern IoT and Industry 4.0 technologies. Additionally, they sought to enhance supply chain visibility and predictive maintenance capabilities while managing massive volumes of production data for quality control.

## Solution



ADQ Services implemented a Smart Manufacturing Integration platform, developing custom middleware for seamless integration of legacy systems with IoT sensors. This allowed real-time data collection and predictive maintenance solutions. ADQ also deployed AI-driven predictive maintenance tools and real-time supply chain analytics to optimize inventory management and reduce downtime.

## Results



- 30% reduction in equipment downtime through predictive maintenance.
- 25% improvement in inventory management accuracy, reducing excess stock.
- Enhanced integration of legacy systems, driving more efficient production processes.