

HCLTech | Supercharging
Progress™

M360 Manufacturing Suite

Framework for accelerating smart
manufacturing apps development

Catalyst for enhanced manufacturing performance

In today's global landscape, large corporations with manufacturing plants spanning multiple locations increasingly seek a unified solution that harnesses a centralized data platform to enhance decision-making and drive process improvement.

M360 by HCLTech is a comprehensive manufacturing solutions suite hosted on AWS Cloud. Our solution offers end-to-end visibility into smart manufacturing operations. The suite provides production effectiveness measurement and analysis to drive operational excellence by utilizing KPIs as business metrics to uncover new growth opportunities and enhance profitability.

Our solution suite seamlessly integrates data from multiple facilities to facilitate visualization, analysis, prediction, recommendation and optimization of the processes with actionable insights. It embraces a multi-geography/multi-plant/multi-use case approach, allowing enterprises to reduce overall ownership costs and mitigate complexity and integration challenges.



M360 capabilities



Product quality

- Automated product quality check using machine vision/ AI techniques
- Product quality prediction



Production performance

- OEE data visibility at enterprise, plant, line, equipment level
- Automated root cause analysis and recommendation



Operations (Asset health)

- Rule, pattern, machine learning based predictive maintenance



Operations (Operator app)

- Ease of logging, tracking fault code



Sustainability













- Multi-plant sustainable manufacturing tracking



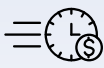
Multi-plant analytics

- Multi-plant analytics,
- Cross use case, cross plant data visibility, correlation


Solution features

 <p>Automated product quality monitoring using machine vision</p>		<p>Asset health monitoring and prediction</p> 
 <p>M360 Edge to run AI in the plant for real-time decision-making</p>		<p>Sustainable manufacturing monitoring</p> 
 <p>Industrialized machine learning for easy adoption and agility</p>		<p>Unified view of enterprise, plants, products, equipment, risks, predictions and recommendations enabling decision-making</p> 
 <p>Automated root cause analysis and recommendations</p>		<p>Product quality analysis and prediction using vision, equipment and environment sensing</p> 

Solution benefits

 <p>40% reduction in time-to-market</p>	<p>35% reduction in application development cost</p> 	 <p>Improved product quality</p>	<p>Reduced downtime</p> 	 <p>Increased business agility</p>	<p>Increased sustainable manufacturing compliance</p> 	 <p>Provides a single source of truth for effective decision making</p>
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M360 use cases

 <p>Identify product quality issues in automotive engine assembly, paint shop and more</p>	 <p>Identify potential equipment failures in food and beverages process line</p>	 <p>Predict product quality using process twin in a chemical plant</p>
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HCLTech is a global technology company, home to more than 221,000 people across 60 countries, delivering industry-leading capabilities centered around digital, engineering, cloud and AI, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending September 2023 totaled \$12.9 billion. To learn how we can supercharge progress for you, visit hcltech.com.

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