DIGIVISORY

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Automotive Industry

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OPS SUITE
OPERATIONS MANAGEMENT

The drive for operational efficiency and the increasing competitive pressure of the global economy are pushing companies throughout the Automotive Manufacturing industry to strategically focus on digital transformation as a foundation for sustainable growth.

These challenges have brought automotive operations to the center stage of industrial innovation, where digitalization is fast becoming the key driver of productivity, quality, and profitability.

As demand for electric vehicles accelerates, product lifecycles shorten, and regulatory compliance increasingly shapes production processes and global supply chains, the need for flexibility, traceability, and transparency has never been greater.

In this challenging environment, there is significant room for improvement in reducing downtime, optimizing production scheduling, minimizing material waste, and ensuring end-to-end traceability that directly impact customer satisfaction, margins, and growth opportunities.

Today, successful automotive manufacturers are those who combine real-time operational visibility with agile, data-driven decision-making to achieve faster response times, greater accountability, and higher overall equipment efficiency.

More and more automotive executives realize that there is a pressing need to integrate teams, systems, and processes across the value chain—from design and production lines to quality labs, supply chain networks, and management offices. Seamless digital integration is rapidly becoming a basic business requirement.

Trends and challenges in the Automotive Industry

Electrification of Production Lines

Supply Chain Volatility

Industry 4.0 Adoption

Sustainability & Environment

Labour Force Transformation

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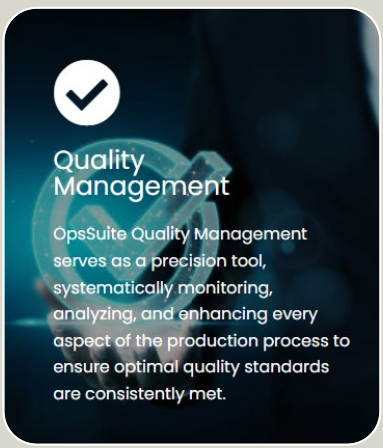
OpsSuite, built on the Mendix low-code platform, understands these challenges and offers an Automotive Manufacturing Solution designed to enable efficient digital transformation.

The solution digitizes critical processes such as line changeover management, quality inspections, maintenance workflows, and production scheduling.

It enables real-time communication and integration between production lines, engineering, quality teams, supply chain, and management, ensuring faster decision-making, improved accountability, and reduced downtime.

Live dashboards provide actionable insights on machine utilization, OEE, throughput, and defect rates, while automated workflows reduce errors and strengthen traceability across the plant.

Designed to scale, OpsSuite allows additional modules and integrations such as ERP connectivity, predictive maintenance, digital twin simulations, sustainability tracking, and IoT monitoring to be seamlessly added as operations mature.



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Key Capabilities

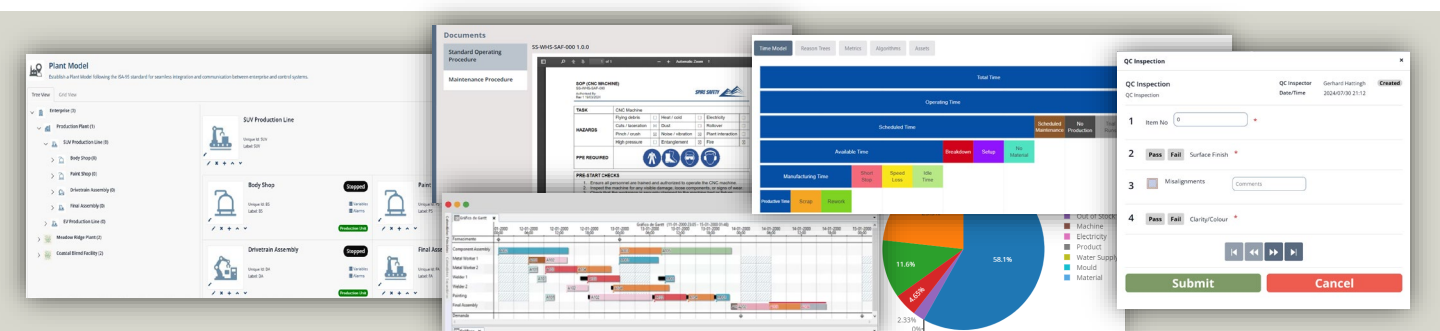
Production & Line Orchestration: Coordinate scheduling, line changeovers, and variant handling to optimize throughput and flexibility across multiple assembly lines.

Quality & Compliance Management: Digitize inspections, defect tracking, audits, and traceability to ensure regulatory compliance and reduce recall risks..

Real-Time Monitoring & KPI Dashboards: Deliver live visibility into OEE, throughput, downtime, yield, and machine health to support fast, informed decisions.

Digital Workflows & Automation: Automate tasks like issue escalation, approvals, maintenance requests, and change management to reduce manual errors and speed execution.

Seamless Integration & Extensibility: Connect to ERP/MES, IoT devices, digital twins, and external systems to enable a unified, scalable smart factory ecosystem.



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