

Unlock the Value of Your

Automotive Manufacturing Data



Why Smart Manufacturing?

Automotive manufacturers face several pressures such as supply chain disruptions, unplanned downtime, quality control issues, and increased regulation of plant operations that are impacting their ability to improve operations and meet increasing demands. Smart manufacturing leverages Industrial IoT (IIoT) technologies to enable real-time decision-making, predictive maintenance, automation, and resource optimization. By reducing downtime, enhancing agility, and ensuring compliance, manufacturers can lower costs, boost productivity, and deliver higher-quality products in a rapidly evolving marketplace.

With HiveMQ our Customers Achieved

\$13M
Energy Savings

Major automotive manufacturers reduced energy usage by over 20%

\$179M+
Annual Revenue

Automakers reduced downtime by 30% and increased production

\$200M+
Annual Profits

Automotive OEMs increased OEE by 20% to increase profits

HiveMQ Drives Business Benefits

HiveMQ helps automotive manufacturers unlock the power of their industrial data by enabling real-time, reliable, and scalable communication between machines, sensors, and enterprise systems.

Increased Overall Equipment Effectiveness (OEE)

Customers maximize asset utilization and reduce downtime with reliable, low-latency machine data, enabling predictive maintenance and real-time production optimizations.

Improved Product and Service Quality

Manufacturers eliminate defects and ensure consistency by applying real-time monitoring and automated alerts to detect and correct quality issues before they impact customers.

Improved Operational Efficiency

Companies streamline workflows and eliminate data silos by seamlessly integrating IT and OT systems, reducing inefficiencies and enabling intelligent automation.

Actionable Insights into MTTR and MTBF

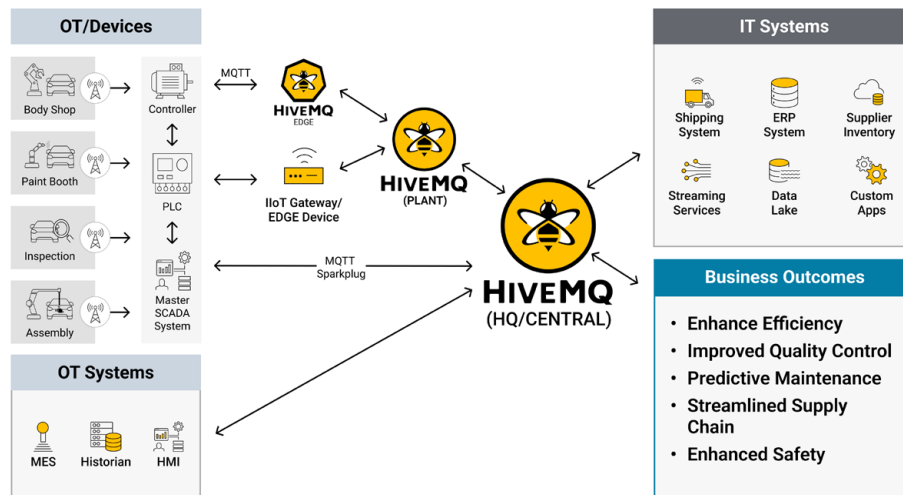
Customers predict failures and optimize maintenance by tracking Mean Time to Repair (MTTR) and Mean Time Between Failures (MTBF) in real time, reducing costly downtime.

HiveMQ Customers



Automotive Manufacturing Typical Deployment

HiveMQ's flexible and scalable architecture is built to address the unique challenges of automotive manufacturing. It seamlessly connects data from edge devices to cloud and enterprise systems, enabling real-time insights and powering critical automotive manufacturing use cases.

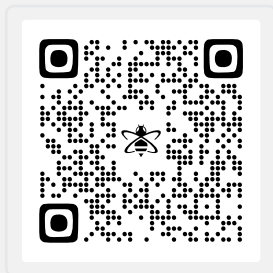


OT-IT Integration: Unify IT and OT systems with a single source of truth, ensuring reliable, real-time data for informed business decisions.

MQTT Broker: Leverage an enterprise MQTT backbone for scalable, event-driven data streaming from edge to cloud.

IoT Streaming Governance: Transform data in flight, passing only the most relevant, contextualized data to cloud and enterprise systems.

Edge Data Integration: Seamlessly integrate edge data by converting industrial protocols into standardized MQTT, enabling an interoperable IIoT infrastructure.



Request a demo



“HiveMQ has delivered the stability and reliability that we require for our system - it is rock solid, completely reliable. This is very important since we can't stop the factory assembly line.”

Marius Hertfelder / Mercedes Benz

Technical Benefits

Business Critical Reliability

- Zero message loss with persistence to disk and offline queuing
- No single point of failure due to masterless cluster architecture and zero downtime upgrades

Scalability to Support Growth

- Elastic scaling with automatic data balancing and smart message distribution
- Proven benchmark of up to 200M active clients with 1.8B messages/hour

Maximum Interoperability

- Runs anywhere on premise or in public or private clouds
- Efficiently connects to streaming applications, databases and data lakes with a Java SDK to build your own

Learn more at www.hivemq.com/solutions/automotive-manufacturing →