

**HIVEMQ**

# Unlock the Value of Your Manufacturing Data

## Why Smart Manufacturing?

Manufacturers face rising pressures from unplanned downtime, supply chain disruptions, increasing costs, and regulatory compliance. To stay competitive, they must improve efficiency, ensure quality, and accelerate time to market. 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

**\$35M**

### Energy Savings

Major automotive manufacturers reduced energy usage by over 20%

**\$83M**

### Uptime Savings

Global pharma company moved from 99.99% to 99.999% uptime

**\$2M**

### Workforce Savings

Part supplier achieved workforce efficiency by implementing remote monitoring

## HiveMQ Drives Business Benefits

### 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



Mercedes-Benz

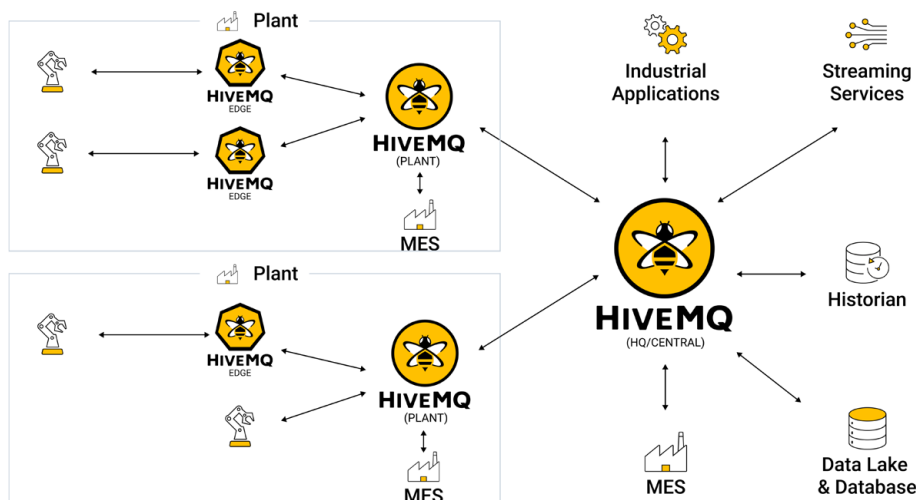


Unilever

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## Smart Manufacturing Typical Deployment

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

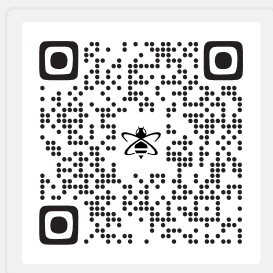


**OT-IT Integration:** Unify IT and OT systems with a single source of truth, ensuring reliable, real-time data for informed business decisions.

**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/manufacturing](https://www.hivemq.com/solutions/manufacturing) →