

# The **Trusted** **MQTT Platform for** Industry 4.0

HiveMQ empowers industrial companies to transform with the most trusted MQTT platform. Designed to connect, communicate, and control Industrial IoT data under real-world stress, the HiveMQ MQTT Platform is the proven enterprise standard for Smart Manufacturing. HiveMQ can help you improve efficiencies and drive down operating costs.

## Digital Transformation and Industry 4.0

Manufacturers face several pressures such as supply chain disruptions, unplanned downtimes, quality control issues, and increased regulatory controls that are impacting the ability to bring safe and effective products to market faster. Manufacturing is increasingly turning to the integration of digital technologies like Industry 4.0 and Industrial IoT (IIoT), to solve these problems.

### Manufacturing can derive these benefits from digital transformation:



#### **Increase Overall Equipment Efficiency (OEE):**

Automate processes and use data analytics to improve efficiency across manufacturing lines and locations.



#### **Improve operational efficiency:**

Use digital technologies to be more agile and quickly identify and recover from costly mistakes or unsuccessful endeavors.



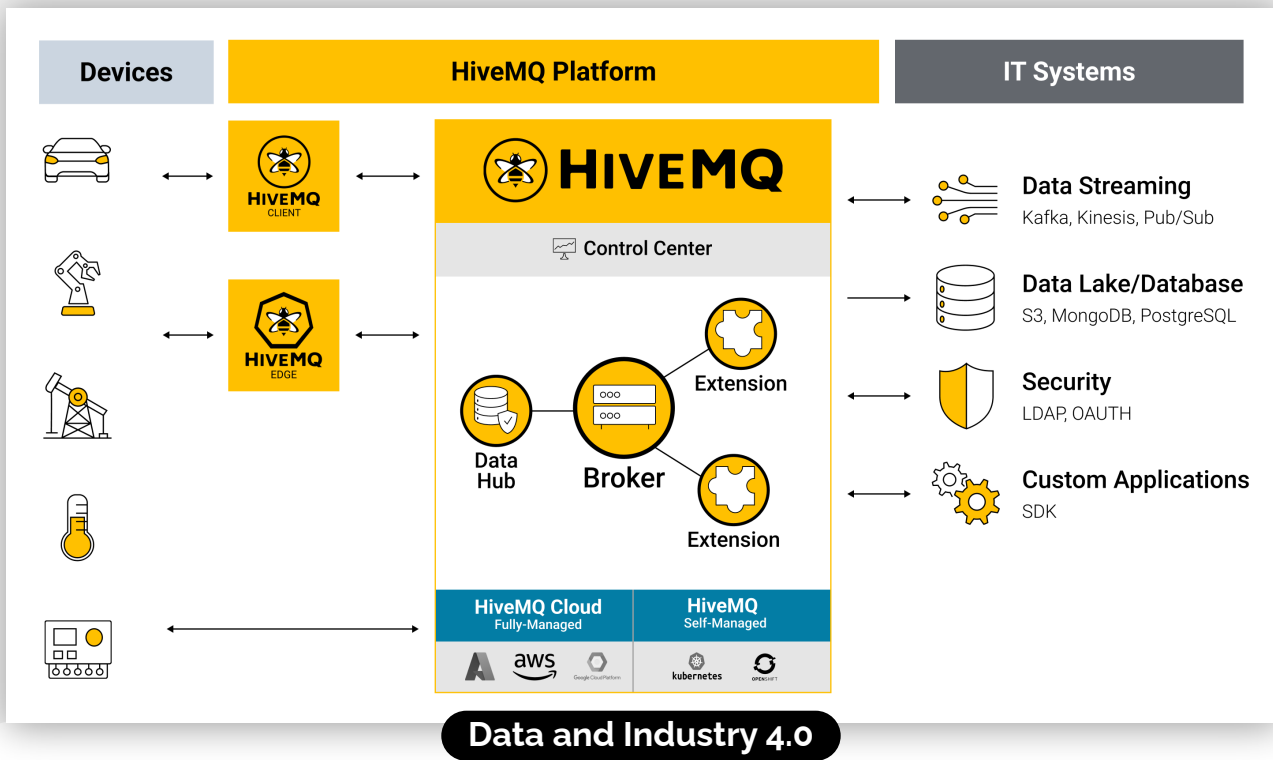
#### **Improve product and service quality:**

Apply real-time monitoring and analytics to quickly identify and fix issues before they negatively affect quality.



#### **Reduce supply chain disruptions:**

Automate regulatory reporting and quality control, and ensure the traceability of data to support regulatory compliance.



**Data and Industry 4.0**

The first and most significant frontier to achieve digital transformation and Industry 4.0 is data collection and movement. Data from manufacturing machines, processes, and applications are captured and stored via key ingestion technologies and need to be moved from OT to IT, where it is stored in a data center or enterprise cloud. This data-rich environment enables advanced initiatives such as machine learning, AI, adaptive control, and digital twins.

**HiveMQ Platform For Industry 4.0**

HiveMQ solves the challenges of data collection and movement in manufacturing by adding a reliable, scalable and secure data abstraction layer between OT and IT systems that enables heterogeneous machines and processes to work together seamlessly even in constrained environments.

**The key benefits of the HiveMQ MQTT platform that is trusted by over 130 customers are:**

**Business Critical Reliability:**  
 Operate mission-critical systems reliably 24/7 with zero message loss and redundant clustering technology.

**End-to-End Security:**  
 Ensure applications and data meet the highest security standards with end-to-end encryption and configurable security controls.

**Scalability to Support Growth:**  
 Add any number of sites and scale to millions of connected devices seamlessly with a linear design for scalability.

**Observable Insights:**  
 Troubleshoot and keep all factory systems running as planned with tools and metrics for transparency and observability.

**Flexible Integration:**  
 Focus on your core business instead of using developer resources with OT-IT data integration into enterprise applications and infrastructure like Apache Kafka.

**Simple-to-Deploy:**  
 Achieve rapid time-to-value with a platform that is flexible enough to deploy on-premise, in any cloud, or via the fully-managed and feature-rich HiveMQ Cloud offering.



Scan the QR code to learn more about the HiveMQ Manufacturing Solution.

