HiveMQ is an enterprise MQTT platform that lays a powerful foundation for Industrial IoT deployments by securely and reliably moving data between remote devices and enterprise systems. On the back of MQTT, the de-facto standard for IIoT messaging, HiveMQ helps Oil and Gas professionals overcome technical challenges such as legacy architectures, data silos, unreliable connectivity, and security vulnerabilities to achieve efficient, instant, bi-directional data movement from OT to IT.

On top of the foundation laid with HiveMQ, Oil and Gas companies can harness the power of their data to:
1. Remotely monitor process and operations
2. Minimize downtime and revenue loss
3. Reduce carbon footprint through automation
4. Improve operational efficiencies.

Key Benefits of the HiveMQ MQTT Platform

✅ Business Critical Reliability
Operate mission-critical systems reliably 24/7 with redundant clustering technology and advanced disaster recovery tooling.

✅ 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 systems and scale to millions of connected devices seamlessly with a linear design for scalability.

✅ Observable Insights
Troubleshoot and keep all supply chain and logistics systems running as planned with open standard tools and metrics for transparency and observability.

✅ Flexible Integration
Focus on your core business instead of using developer resources with system 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.

For more information on the HiveMQ Enterprise MQTT platform or to download the broker, visit hivemq.com or contact us at info@hivemq.com.
Over 130 companies trust our proven enterprise MQTT platform to deploy Industrial Automation, Smart Manufacturing, Industry 4.0, and Industrial IoT initiatives at scale. These technical features lay the right foundation for data-driven operations.

**100% MQTT Compliant:** HiveMQ is 100% compliant with the MQTT 3.1, MQTT 3.1.1 and MQTT 5 specifications. We also allow MQTT 3 and MQTT 5 clients to communicate with HiveMQ simultaneously. All advanced features such as topic wildcards, persistent sessions with offline queuing, retained messages, and all Quality of Service levels are available at scale.

**100% Sparkplug Compliant and Aware:** The HiveMQ MQTT platform supports all features of the newly released Sparkplug 3.0 specification. Sparkplug provides additional features for Oil and Gas use cases like topic namespace definition, payload encoding mechanism, state management and data models that are unique to Oil and Gas use cases.

**Real-time Data Monitoring:** Use the HiveMQ dashboard to monitor the real-time data and MQTT clients connected to your IoT application. This summary dashboard offers a complete overview of the broker cluster and the general health of the system.

**Efficient Network Utilization:** The publish/subscribe nature of MQTT reduces the total network traffic since there is no client polling. The MQTT message size is significantly smaller than other options like HTTP, so the amount of data passing through is reduced.

**Elastic Clustering:** HiveMQ is architected with a distributed and masterless cluster architecture, which means there is no single point of failure. The cluster can grow and shrink at runtime without losing data or availability.

**Enterprise-Grade Security:** Data transport is secured by industry standards like TLS 1.3, end-to-end encrypted communication and advanced authentication, and authorization features.

**Extension Framework and Marketplace:** A flexible extension framework provides pre-built extensions and allows developers to quickly create custom extensions to integrate IoT data into existing enterprise systems.

**24x7 Support and Professional Services:** Every deployment comes with basic support, and customers can upgrade to 24×7 for business critical use cases. Our professional services team is also on hand to help with anything from designing your architecture to lifting your product or service to the next level.

### Some of our customers

Mercedes-Benz  
Siemens  
Netflix  
Flughafen München  
Liberty Global