

Unlock the Value of Your Energy Data



Why Digital Transformation in Oil & Gas?

Oil & Gas companies face pressures from supply chain disruptions, safety risks, and strict regulatory requirements. To remain competitive, they must boost efficiency, improve safety, and reduce environmental impact. Digital transformation powered by Industrial IoT (IIoT) enables real-time monitoring, predictive maintenance, and advanced analytics across upstream, midstream, and downstream operations. By reducing downtime, optimizing asset performance, and ensuring compliance, energy companies can lower costs, increase productivity, and achieve greater sustainability in a rapidly changing industry.

With HiveMQ our Customers Achieved

\$7.6M
Cost Savings

Upstream oil & gas company cut downtime 20% with MQTT and real-time monitoring

50%
Fewer Site Visits

Upstream oil & gas company reduced oil well site visits and costs through predictive maintenance

\$20M
Compliance Savings

\$2B oil & gas company reduced compliance fines with early leak detection and real-time monitoring

HiveMQ Drives Business Benefits

HiveMQ helps oil and gas companies unlock the power of their industrial data by enabling real-time, reliable, and scalable communication between assets, sensors, and enterprise systems.

Remote Monitoring of Distributed Assets

Remote monitoring and control means customers can enhance operational efficiency, improve safety/environmental compliance, and optimize outputs.

Optimized Operations

Customers enhance operational efficiency, improve asset communication, and increase speed of decision making by standardizing data collected from distributed assets.

Enhanced Pipeline Safety

Monitoring pipelines for leaks and other issues allows customers to minimize environmental impact, enhance operational safety, and reduce repair expenses.

Increase Efficiency and Reduce Waste

With robust process optimization and control, customers enhance production efficiency, improve product quality, and reduce wastes and emissions.

HiveMQ Customers

SIEMENS

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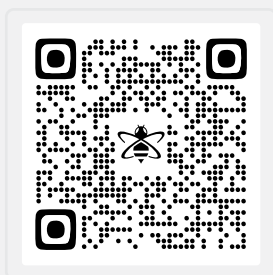
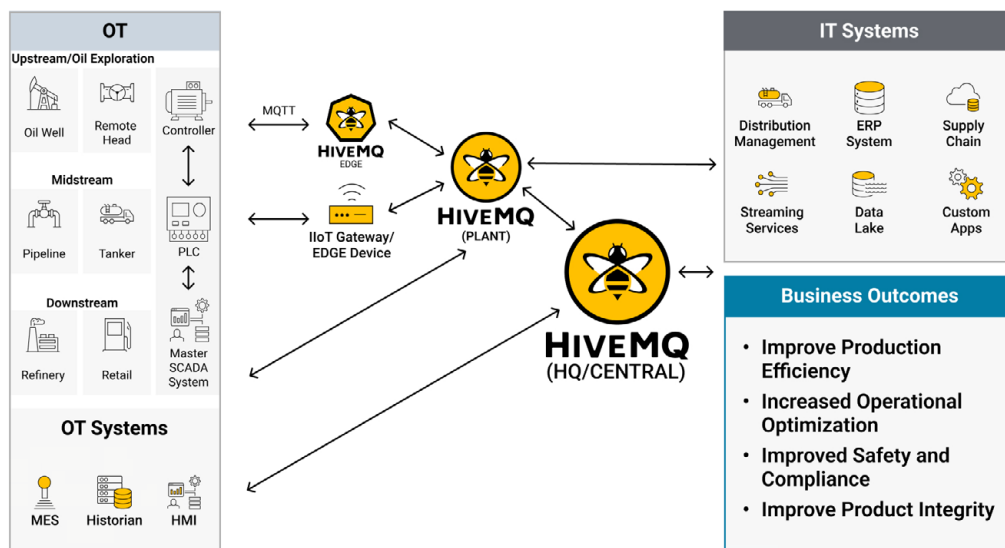
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Oil & Gas Typical Deployment

HiveMQ connects data from edge devices, pipelines, and refineries to cloud and enterprise systems, enabling real-time insights that improve efficiency, safety, and operational performance.



Request a demo



Transitioning to MQTT with HiveMQ allowed us to dramatically reduce the time to send data to our SCADA system, moving from a 5 to 10 minute delay to near real-time. This capability is crucial for immediate issue resolution and optimization of oil well performance.

OT Engineer / Upstream Oil and Gas Company

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/oil-and-gas-industry →