



Cloud Connect: Maritime IoT Data Acquisition, Aggregation & Analytics

Monitor, Act, Save with Dedicated IoT Connectivity from Sensor to Cloud

Successfully deploy and commercialize your maritime IoT and digital services, get the vital data you need, and enable a truly connected ship via KVH Cloud Connect, a revolution in maritime data access and analytic resources.

ACQUIRE Data Directly from Onboard Sensors

Take your IoT capabilities beyond the VDR. Using the ISO 19848 naming standard, Cloud Connect:

- Supports hundreds of data channels and data acquisition from virtually every sensor and system onboard
- Simplifies data mapping and deployment through customizable blueprints
- Accelerates digital service integration, and normalizes data throughout a fleet

AGGREGATE Data Onboard and In the Cloud

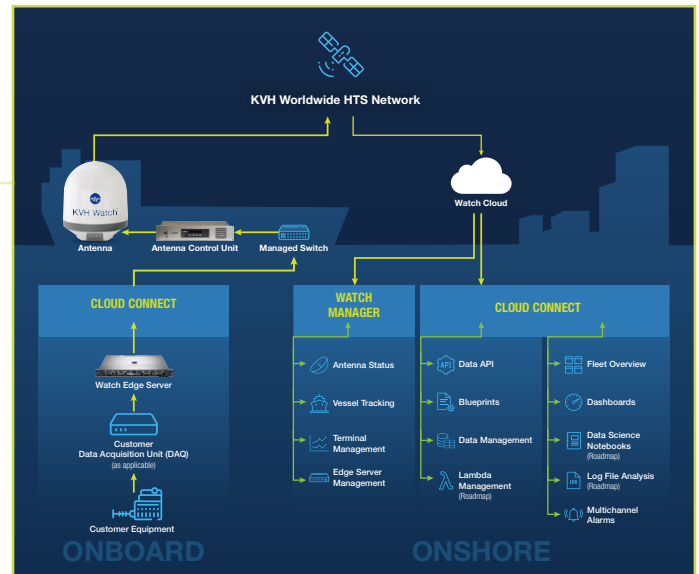
Cloud Connect manages your sensor data at the edge for faster transmission, lower costs, and more accessible analysis. The system processes data from all connected sensors and systems and employs advanced features like Kubernetes containers in its onboard Edge Server and hybrid cloud architecture.

ANALYZE Using Flexible, Dynamic Data Dashboards

Interact with your data to identify insights. Cloud Connect's no-code dashboard environment empowers you with:

- Cloud-based data reporting
- Versatile data reporting tools
- Dynamic visualizations

Plus, you can combine your vessel portal with access to high-frequency data or live video collaboration tools using Cloud Connect's RESTful APIs.



Enable Secure Digital Services for Every Stakeholder Onboard

KVH Watch equips every vessel in the fleet and every IoT and digital service provider onboard with a dedicated connectivity solution that separates IT and OT networks as recommended by IMO 2021. It also delivers the power of edge-to-cloud computing, enabling you to unlock the power of your data and:

- See the vital signs for your equipment in real time, such as noon and MRV reports or EEXI compliance, and see how each system and ship performs based on your chosen KPIs.
- Monitor your onboard equipment to support service contracts and warranties via versatile data analytic reporting tools and customizable dashboards.
- Deploy your digital services, condition-based alarms, and dashboards throughout a fleet using KVH Blueprints written to the ISO 19848 standard.



Adapt and Control with Cloud Connect Tools

Available within KVH Watch Manager, the Cloud Connect suite of tools provides visibility to everything your support team needs to know, including:

- API key management
- Blueprint authoring and management
- Views by machinery systems and vessels
- Links to customizable dashboards
- High-level health and data views



Rugged, Proven Connectivity with the KVH Watch Terminal

The commercial-grade KVH Watch Terminal supports all Watch subscribers using a dedicated high-throughput VSAT antenna with its own dedicated LAN that is fully isolated from the vessel's existing IT and OT networks. In addition, it includes a 2U rack-mountable Antenna Control Unit (ACU), 1U managed switch, and dedicated Wi-Fi access points for the exclusive use of Remote Expert Interventions.

Global IoT Connectivity

KVH Watch delivers on the promise of IoT at sea, overcoming the geographic limits of cellular service and the slow speeds and high cost of L-band services. Your vital IoT data, along with the ability to provide live remote support, are now affordably accessible worldwide, thanks to the Watch Terminal and KVH's HTS network, a layered global network with industry-leading speeds and superior reliability.



KVH's global Ku-band HTS network offers 276 million sq. km (more than 106 million sq. miles) of coverage with data speeds as fast as 10/3 Mbps (down/up). Coverage map is representative and may change at any time. Data rates may also vary in different regions. KVH provides no guarantees of satellite coverage or availability. For complete details, go to kvh.com/watchcoverage.

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