

High Frequency Data (HFD)

EVERY VOYAGE IS UNIQUE. GET REAL INSIGHTS WITH HIGH FREQUENCY DATA.

As new regulations for reporting and decarbonisation come into effect, shipping companies need a reliable way to collect more accurate data on vessel and voyage performance, which can be influenced by hundreds of factors including fuel, maintenance, hull fouling, crew experience and weather.

High Frequency Data (HFD) provides continuous updates on vessel performance based on sensor-collected data which is automatically compiled, validated and prepared for needed reports. Not only does this improve accuracy and reliability, it also eases the burden on Masters and Captains while reducing the risk of human error or fraud.

For ship operators and owners who have already worked to modernise and digitise their analytics and reporting, HFD is the next step toward achieving their sustainability targets while reducing labour and fuel costs.

KEY FEATURES

- ✓ Reduce manual labour by automating noon reports with sensor data
- ✓ Improve reporting accuracy and flag any discrepancies for risk of fraud
- ✓ Minimise fuel consumption with improved voyage optimisation
- ✓ Optimise vessel operations with automated recommendations for hull cleaning, propulsion system improvements, etc.
- ✓ Avoid speed and consumption claims with automatic alerts
- ✓ Automatically generate accurate data for environmental reporting, including insights on how to improve CII and reduce emissions



HOW IT WORKS

HFD can easily be integrated into the ZeroNorth platform or with other third party tools. Our team of specialists will help make the necessary preparations to ensure a smooth rollout with minimal disruption.

- ① Pre-installation study to assess the vessel
- ② Define configuration and select the signals and sensors needed
- ③ ZeroNorth manages purchasing and shipping of sensors
- ④ Field engineers perform installation during normal port operation — no need for dry docking
- ⑤ Ongoing vessel monitoring by ZeroNorth engineers

BENEFITS FOR CHARTERERS, OPERATORS AND VESSEL OWNERS



Reduce fuel consumption and GHG emissions



Automate emissions data collection and reporting



Increase transparency during port operations

ABOUT ZERONORTH

Climate Change poses a serious threat to the planet's future, but ZeroNorth is dedicated to making a difference. As a leading technology developer with a strong foundation and owner support, ZeroNorth offers a leading multi-service platform which harnesses the power of data to create insights that enable voyage, vessel and bunker optimisation and inform better decision-making for stakeholders across global trade.

By blending cutting-edge data-driven technology with human expertise, the ZeroNorth platform provides solutions that are helping the global shipping industry achieve optimal commercial performance and reduce its carbon emissions.

The ZeroNorth Platform

Book a demo with our team to see ZeroNorth in action.

