

FleetGuard

Improve fleet performance and utilization with aggregated weather data and routing insights

Marine Weather is the most influential driver of fleet planning, fleet execution and fleet analysis. It influences high stakes decisions around ship chartering (in or out), voyage planning, voyage execution, ship maintenance and legal claims. Key is to balance control on fleet utilization with individual vessel performance while keeping an overview of all moving parts. DTN developed FleetGuard to address these challenges.

Benefits

FleetGuard enables fleet operations and performance managers to improve fleet performance and utilization by applying aggregating weather data and routing insights to fleet decision making:

- **Improve fleet performance:** Analyze fleet performance and drill down to vessel performance. Gain insight in trends, past performance and benchmark
- **Improve fleet utilization:** Support decision making for day-2-day vessel operations, planning and performance using a.o. planned routes, weather forecasts, delays, damage risk and claim risk.
- **Increase vessel crew and cargo safety:** Manage information for fleet alerting and safety decision making.

Users and key use cases

FleetGuard supports all stakeholders involved in fleet performance and utilization.

- **Fleet operators and managers:** Maximize fleet performance and utilization - Access to planned routes, delays, damage risk, claim risk. Optimize cost of day-2-day vessel operations, planning and performance; Secure vessel, crew and cargo safety - Manage information for decision making on total fleet, fleet alerting, direct overall insights.
- **Performance managers:** Monitoring and reporting, including MRV - Analyze fleet performance. Gain insight in trends, past performance and benchmark.

Customers

Leading shipping and charter companies, such as Klaveness, Geogas and Helio LPG put their trust in us. Contact us to learn more about how we help these prestigious organizations safely and economically manage their fleet.

Features

FleetGuard is a fleet monitoring tool with a modular design. It provides a fleet view in real-time, from a global perspective down to the single vessel details, tracking vessel performance in different weather situations. Make comparisons between one and/or more vessels, and between one or more routes, helping to improve vessel performance on specific routes, or over periods of time.

FleetGuard provides the following functionality:

Operator dashboard - Access to operator dashboard with maps, KPIs and alerts. Customize the user interface using the configuration for your fleet group and the information you care about most.

Vessel (group) view - Zoom in from entire fleet, to groups of vessels and drill down on individual ship level that need your attention, and take appropriate actions.

Extensive map view - Combine weather forecasts, tracks and routes in a single overview.

Performance Dashboard - Customizable to support different roles and responsibilities. Access up-to-date performance for all vessels, calculated on normalized data to ensure comparability.

Voyage calculations/optimization - Create route options based on time, cost or fuel constraints, either with or without a given ETA.

Vessel trend and benchmark analysis - Access cleaned-up data. Select, filter, combine and compare to get insights on vessel performance over time.

Good and All-Weather Weather performance analysis - Incorporate weather data and models - including weather and current factors, slip analysis, SOG, STW and more.

MRV Reporting - Clean and validate data to comply with European MRV regulations. Filter 'European' voyages to provide compliance reporting and evidence in government-approved format.

Onboard Reporting - Prevent duplication of reporting using the Easy Noon reporting tool if ships already report via Veslink.

FleetGuard unique capabilities

FleetGuard builds on decades of experience in fleet monitoring, weather forecasting and severe weather routing. With FleetGuard users access the following unique capabilities:

- **Fleet management as a service** - FleetGuard takes care of correct ship-to-shore reporting, data processing, handling faulty data, calculating performance and raising alerts and warnings, both towards the ship as to the operator. Users can focus on the results of the data instead of on (wrong) data.
- **Customizable** - Adjust the system interface to meet the needs of different roles, from fleet operations manager to vessel performance manager.
- **SPOS unique capabilities** - Benefit from SPOS unique features like Nautical MeteoBase, Ship Profile Library, Weather-optimized Route Network and Variable Speed Routing.
- **FleetGuard API** - Access all FleetGuard data and processes via the API. Integrate customer owned and third party (ERP) systems to directly access, create, modify and request data and processes.