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Representations, Marine Products & Services



MARORKA

MARORKA ehf., of Reykjavik, Iceland

Ship Fuel Performance Monitoring & Marine Energy Management Systems On-Board and On-Shore. Effective energy management to meet ongoing and upcoming mandatory regulations; increase energy efficiency & reduce harmful emissions; significant fuel savings; improve vessels' competitiveness; benchmarking & KPIs; short payback time on investment.

Data-Driven Energy Management Solutions & Integrated Systems

Marorka Server / Operating Platform (*real-time data collection and management from various sensors*)

Marorka On-Board Hardware & Modules:

- I/O - Data Acquisition Units
- Workstations / Remote Desktop Connections
- Ship Performance Monitor (SPM) essential display unit
- Data Management (*dashboards, operational states, analytics tools, KPIs*)
- Reporting (*Departure, Arrival, Noon, Bunkers Intake, Out of Service Reports*)
- Fuel Manager (*ROB, Bunkering & Emissions Tracking*)
- Decision Support / Optimization:
 - Machinery & Propulsion
 - Voyages (*optimal RPM & Speed Profile based on weather / sea state*)
 - Trim & Hull Performance

Marorka Online (On-Shore data management):

- Secure cloud-based and web application for onshore monitoring & analysis of fleet's energy efficiency
- Dashboards, analytics of key performance data & reports, voyage monitoring & tracking
- Hull Performance Trend (*ISO 19030*)
- Fuel Management (*tracking by different fuel type, ROB, emissions monitoring, EU port calling/ MRV*)
- Ship Energy Efficiency Management Plan (*SEEMP*)
- Wallboard - Intuitive dashboard for the office to monitor vessels performance in real time
- OData API service to access and export / integrate data into third-party information systems / applications

Marorka Advisory:

- Annual Performance Appraisal / Baseline Performance Report
- Super-user and applications training
- Fuel Table Reports (*Fuel Consumption & Shaft Power Vs. Speed & Draft, SFOC Vs. %MCR*)

Marorka Customer Services

On commissioning, project management & crew training, data quality monitoring

Marorka Software Updates

Onboard and online on continuous basis

Compliance with IMO, ISO, TMSA2, MRV and other Industry's standards / requirements



Marorka Online Wallboard