

Maritime Data Engine

Optimise your data handling on board and ashore



Photo: © Carnival Maritime GmbH

At your service



MACGREGOR

Designed to perform with the sea

Secure and sustainable data handling

Data collection on board your vessels results in a number of big data related challenges: the amount of raw data can be overwhelming, communication capacity is limited and non-standardised data protocols may cause issues with data quality and security.

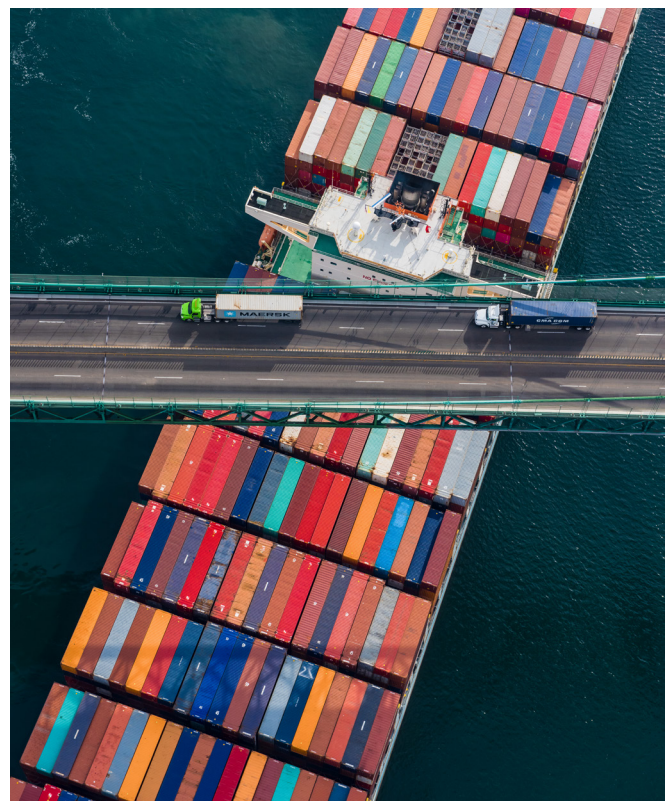
Our Maritime Data Engine is a versatile software solution designed for collection, storage, normalisation and standardisation of heterogeneous data. It is multi-platform compatible and completely scalable, collecting data from any equipment, vessel or the entire fleet.

Customer value

- Manufacturer independent data format
- Accessible on board and in cloud
- Safe and secure access
- Data history and comprehensive real-time data analyses
- Cost-efficient application development
- Easy to use front end
- No maintenance required
- Interfaceable with all major automation suppliers
- Seamless integration of your VDR data

New opportunities for shipowners and operators

- ↻ Deploy monitoring and automation to save crew costs, to provide safe workplaces and to avoid failures.
- ↻ Apply smart and connectable equipment in order to reduce downtime and improve cost-efficiency.
- ↻ Get situational support via real-time data analyses and virtual decision support.
- ↻ Gain insight and learn about the onboard equipment performance and how systems are operated by your crews.
- ↻ Use operational data to undertake analyses and comparisons between vessels in order to deploy best practices across the fleet.
- ↻ Steadily increasing service and application portfolio will directly support you in effective and safe as possible operations



Control flow of your vessel and fleet data

Control flow of your vessel and fleet data

The amount of data gathered on board a modern vessel is massive and steadily increasing. Our Maritime Data Engine enables smart data flow control while efficiently using your communication and storage capacities.

Transferred data volume can be customised in real-time.

- Lowest cost routing via satellite or mobile network
- Selection of data to be transferred ashore
- Equipment intercommunication onboard
- Shipboard data pre-processing and storage
- Seamless integration of your VDR installation

Seamless integration of all your onboard systems

In the era of ship connectivity, systems on board a vessel will become increasingly integrated. The Maritime Data Engine provides an open communication environment that is independent of equipment interfaces and data protocols. All your vessel data and information is available anytime and anywhere for every authorised use.

Control access and enable extensive data analytics

There is a growing number of marine data analytics companies with high sophisticated capabilities for optimising vessel performance and efficiency. The security concept of the Maritime Data Engine contains user and application authentication, enabling data access control for multiple parties. Essential and substantive information will guide you to increase the fleet performance, reduce operating costs and improve efficiency.

Protect your data against unauthorised access

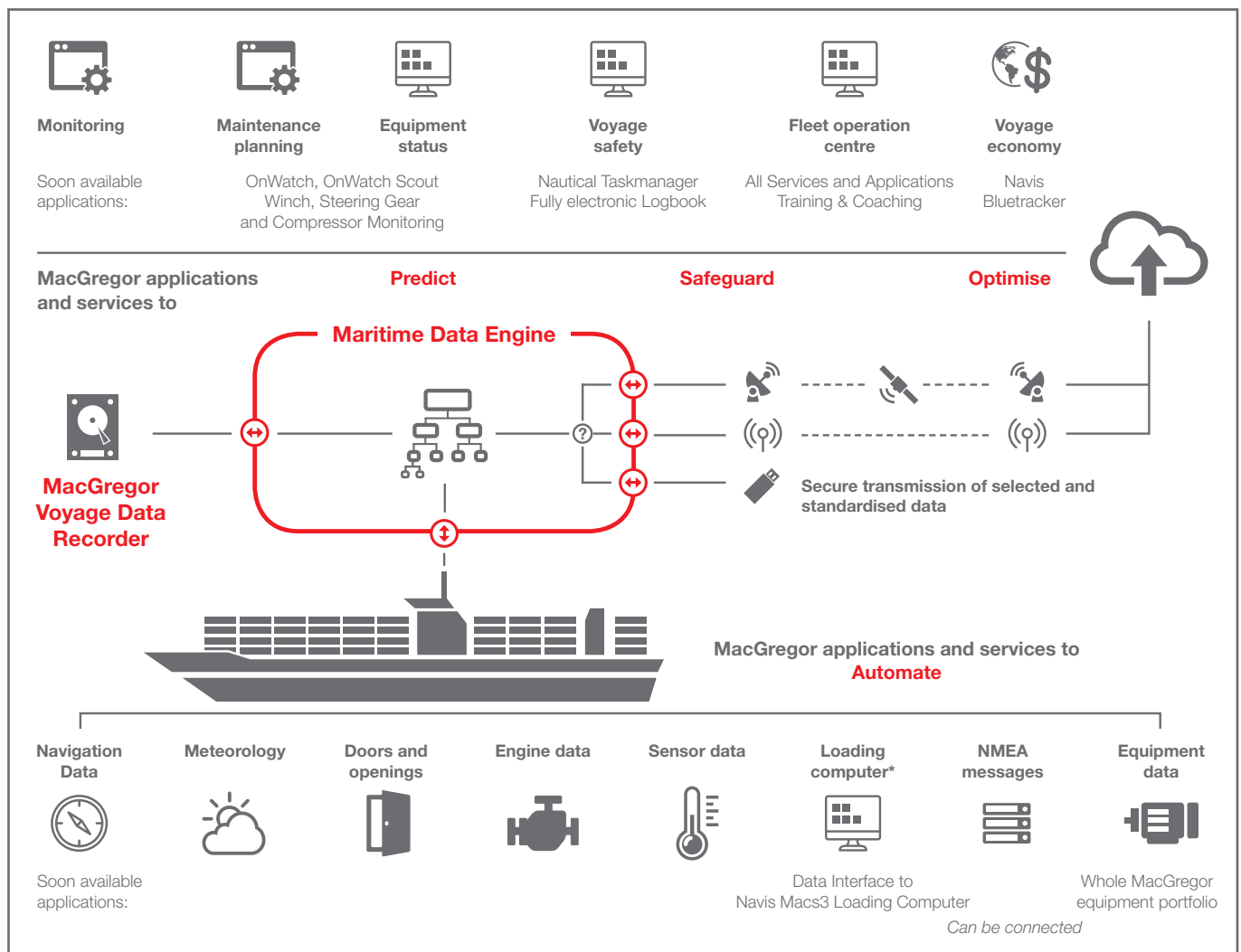
Security is a fundamental requirement for the maritime business. The Maritime Data Engine applies the OPC-UA protocol for transfer of the vessel's data. It uses proven security concepts that protect against:

- Unauthorised access
- Sabotage and intrusion
- Modification of process data
- Carelessness from own employees

MacGregor NavCom Service facts and figures

- More than 400 service engineers
- Present in more than 100 ports
- 400 vessels under contract
- More than 6,000 service calls in 2017

Optimise your data processing on board and ashore



MacGregor shapes the offshore and marine industries by offering world-leading engineering solutions and services with a strong portfolio of MacGregor, Hatlapa, Porsgrunn, Pusnes and Triplex brands.

MacGregor is part of Cargotec (Nasdaq Helsinki: CGCBV).

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