Maritime Data Engine

MACGREGOR
Designed to perform with the sea

For fast, simple access to all process data of your fleet

The Maritime Data Engine is a data normaliser that collects, standardises and provides the data from voyage data recorders and/or other ship systems.

What is new about MDE?

The MDE has two improvements not found in past data-collection systems on board a vessel:

- All data from a ship or a fleet with different data structures, independent of the data source and deployed platform, will be standardised and quickly made usable.

- MDE is an Industry 4.0 compatible network solution that makes life data available via the standardised OPC-UA interface for third-party system integration, including suppliers.
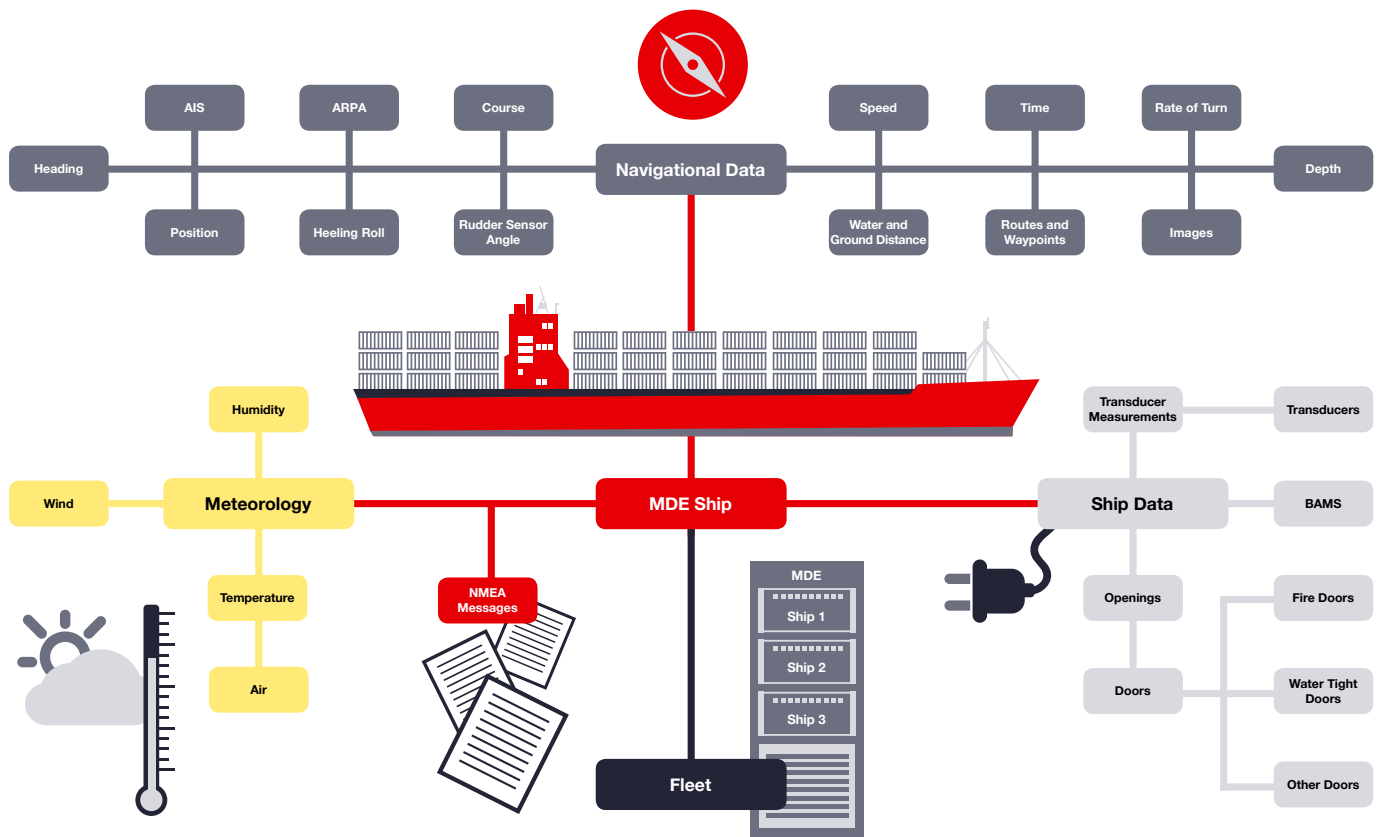
Who benefits from MDE?

MDE is the right choice for those who want to make more out of their vessel data.

- Usable in any ship class

- Optimal for cruise ships and tankers to increase safety

- Particularly beneficial for scientific projects conducted on research ships

MDE data tree

Make the most of your vessel data

MDE was developed inhouse by MacGregor's Interschalt and generates a real-time process picture in the form of a data tree of your ship or fleet for further use on land. The standardised, uniform and bundled data cloud produced in this process can be used to perform such jobs as risk analysis.

Which technical requirements are necessary for installation?
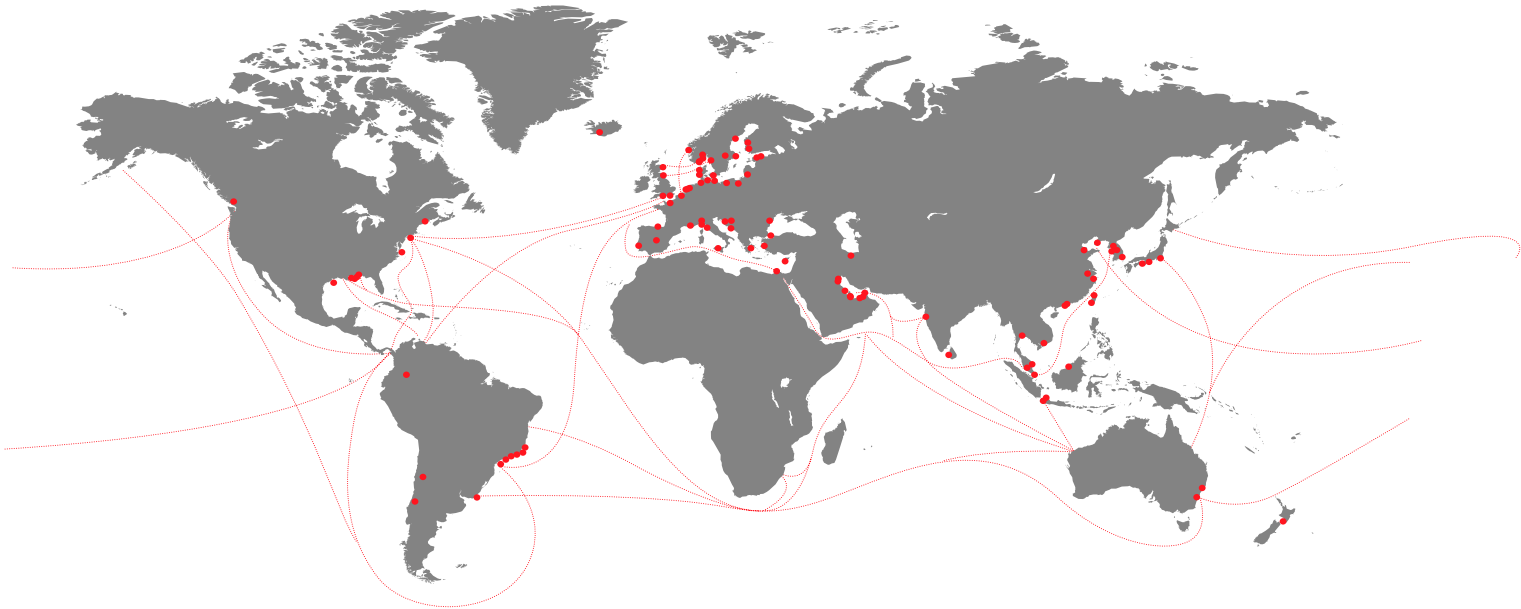
- High-performance server, PC, virtual machine or embedded computer

- Operating system: Windows 7, Windows 10, Windows Server 2012, Linux, Embedded Linux, Mac OS X upon request

- 1 GHz processor, 32/64 bit

- 4 GB RAM

- 1 GB of available hard disc space per ship

- At least 1 LAN port, ideally 2 independent network interfaces

How does MDE pay off?

- The data are available in a standardised, manufacturer-independent form

- As an industry standard, OPC UA facilitates additional system integration

- In addition, the OPC UA standard provides multi-faceted security and authorisation functionalities to prevent unauthorised access

- As data histories, process data can be archived in data bases to produce evaluations and analyses

- There is no need for the cost-intensive, proprietary development of varying third-party solutions, including entertainment and door-locking systems

- It is also available as optional equipment for our VDR systems

- 24/7 software maintenance support

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Wherever needed, you can rely on our support.
We serve the following brands globally, and we also serve all others.

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- Allset
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- Becker
- BMH
- Conver-OSR
- Grampian Hydraulics
- Flintstone
- Greer Marine
- Hamworthy
- Hatlapa

- Hydramarine
- Hägglunds
- Interschalt
- KGW
- KYB - ASCA
- KYB - Kayaba Industries / Navire Cargo Gear
- Luezhoe
- MacGregor
- MacGregor-Conver
- MacGregor-Hägglunds

- MacGregor-Kayaba
- MacGregor-Navire
- Navire Cargo Gear
- Nordströms
- Ozean Service & Reparatur
- Platform Crane Services (PCS)
- Plimsoll
- Pusnes
- Porsgrunn
- Triplex
- Vestnorsk Hydraulikkservice (VNH)

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. Shipbuilders, owners and operators are able to optimise the lifetime profitability, safety, reliability and environmental sustainability of their operations by working in close cooperation with MacGregor.

MacGregor solutions and services for handling marine cargoes, vessel operations, offshore loads, crude/LNG transfer and offshore mooring are all designed to perform with the sea.

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

macgregor.service@macgregor.com
macgregor.com

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