

# Breakbulk Optimiser

Improves cargo carrying and planning efficiency



**MACGREGOR**

Designed to perform with the sea

# Improved transparency and increased efficiency

Breakbulk Optimiser has been developed together with customers to improve information transparency, efficiency and operational performance in the breakbulk industry.

It is a cloud-based service that utilises MacGregor's extensive knowledge and experience of cargo system design and operation to maximise safety and payload capacity. The service provides value to several stakeholders in business functions and engineering.





## Greater visibility enables better business performance

Breakbulk Optimiser uses cargo booking data and vessel route information to enhance planning capabilities, and enable fact-based decisions to be made that increase operational efficiency and business performance.

### Transparency

- Improved information transparency
- Optimises cargo carrying capabilities
- Provides stakeholder-specific key performance indicators

### Efficiency

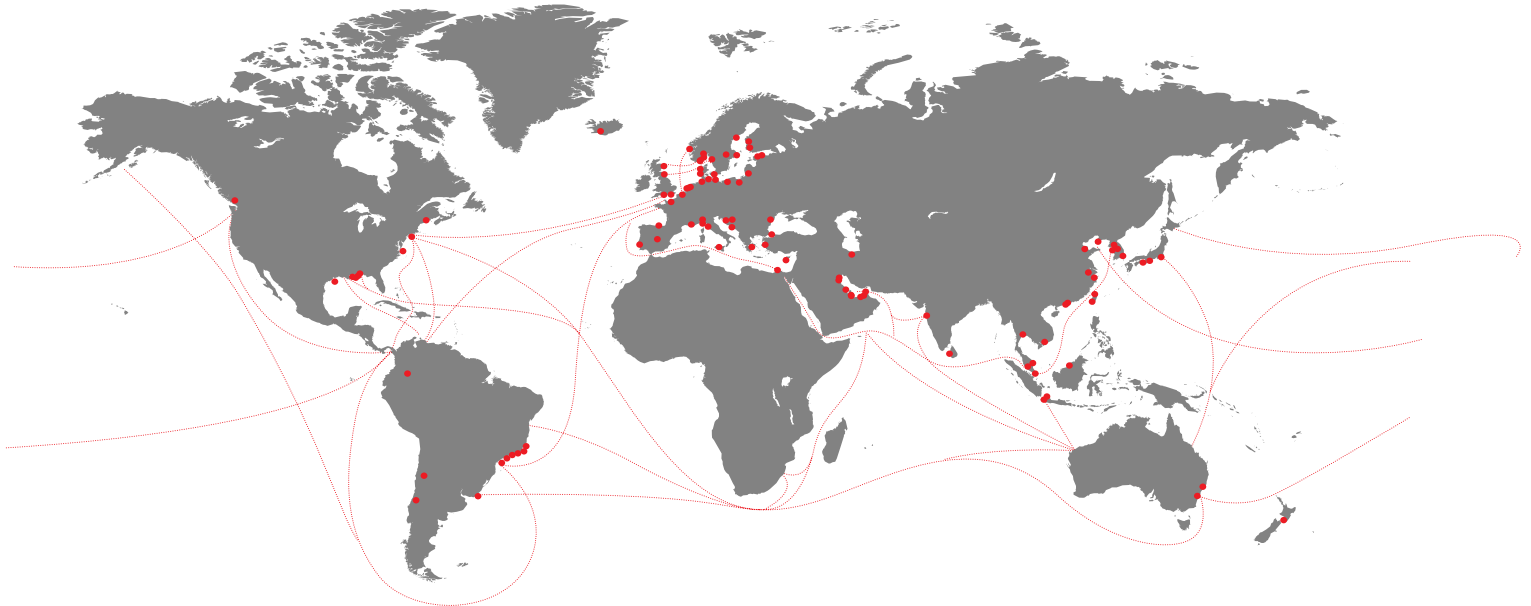
- 3D-visualisation in a digital environment
- Supports multiport planning where routes require several loading and discharging operations
- Optimised stowage plans through use of sophisticated algorithms
- Reduces inefficiencies in complex planning processes

### Performance

- Monitoring and improving vessel and fleet utilisation rates
- Better ability to react to last-minute changes and no-shows
- Maximise asset earning potential by creating different cargo loading scenarios

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- ASCA
- Becker
- BMH
- Conver-OSR
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- Hatlapa
- Hydramarine
- Häggglunds
- Interschalt
- KGW
- KYB - ASCA
- KYB - Kayaba Industries / Navire Cargo Gear
- Luezhoe
- MacGregor
- MacGregor-Conver
- MacGregor-Häggglunds
- MacGregor-Kayaba
- MacGregor-Navire
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- Ozean Service & Reparatur
- Platform Crane Services (PCS)
- Plimsoll
- Pusnes
- Porsgrunn
- Rapp Marine
- 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).*

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