Innovative load-handling solutions for the offshore industry
A company with a long tradition of engineering excellence, MacGREGOR is a leading supplier of innovative load-handling solutions for the marine and offshore industry.

With its broad knowledge base in the field of hydraulic and electrical equipment, MacGREGOR offers a range of market-driven engineering solutions for installation on offshore vessels and rigs. These include Hydramarine cranes and subsea load-handling solutions, with and without Active Heave Compensation (AHC) systems, Hydramarine rescue davit systems and A-frames.

MacGREGOR also supplies a broad range of Plimsoll winch systems for offshore operations such as anchor handling, mooring and a long list of other applications, as well as Nordströms bulk-handling systems for offshore supply vessels.

MacGREGOR is a global company with facilities located near to customers worldwide. Once the equipment is in service, MacGREGOR endeavours to provide lifetime support in the form of maintenance and service solutions that ensure operative availability of the equipment.

Wherever you are operating, you will have full access to MacGREGOR’s highly specialised global service network. We understand your business. We know how you operate, and we are in tune with your technical needs.

Profit from our experience
Hydramarine cranes are delivered in accordance with the latest international standards for offshore cranes with optional certification from any of the leading classification authorities.

Operations

- Offshore load handling (ship-to-ship and rig-to-ship)
- Subsea load handling
- Pipe handling
- Special lifting operations
- Hose handling
- Operation in hazardous areas
- General purpose

MacGREGOR’s offshore crane programme comprises an advanced range of Hydramarine cranes, covering all operations in the offshore industry. Where appropriate, cranes are equipped with Active Heave Compensation systems that enable modern subsea vessels to continue working under adverse weather conditions.

The range covers applications of up to 500 tons lifting capacity at up to 100 metres working radius. Integrated crane control systems ensure full control over critical lifting operations. In addition to standard versions, customised cranes for special operations are available on request.
MacGREGOR offers a wide range of Hydramarine load-handling and intervention technology that meets market needs for offshore support and related vessels such as construction and subsea intervention types. Precise load handling is critical when mating subsea units on the seabed. Precision becomes even more critical in rough seas or bad weather. Hydramarine solutions compensate suspended loads in harsh conditions. MacGREGOR is one of the leading suppliers of subsea-related cranes and load-handling systems in the world. Most systems are tailor made to suit individual customer requirements.

**Systems and equipment**
- Moonpool based module handling systems
- Active heave compensated guide line and lift line winches
- Overside load-handling systems
MacGREGOR supplies a broad range of Plimsoll winches and related components to meet all needs in the offshore industry, delivered in standard versions or tailor made to customer specifications.

A wide range of optional functions includes: wire spooling, grooved drums, auto-variable winch speed, constant tension, active heave compensation, emergency lowering/release, control systems and wire guide systems. The equipment can be delivered as separate units/systems or integrated in other total systems.

A broad range of winches that can take the strain

Deck winches for installation on offshore support vessels
- Anchor handling
- Towing
- Mooring
- Platform supply
- Offshore maintenance
- Salvage
- Pollution control
- Fire fighting and damage control
- Hydrographic
- Seismic
Deck winches for installation on offshore FPSO/FSOs, jack-up rigs, semi-submersibles, heavy lift crane/work barges, and offshore operations

- Offshore oil exploration
- Offshore oil production
- Subsea lifting/handling
- Topside activities
- Open sea installation

Deck winches for installation on different type of tugs for various operations

- Towing
- Open sea transportation
- Escort towing
- Port and terminal service
- Salvage and rescue
- Fire fighting
- Ship-to-ship transfer

www.macgregor-group.com
The MacGREGOR range of Hydramarine rescue davit systems includes many types of single point rescue davits. All rescue equipment is designed and built to fulfill latest SOLAS/IMO requirements. Rescue davits are delivered as self-contained units with a fully integrated electro-hydraulic power unit. This simplifies installation to vessel, reducing installation time and cost, as well as maintenance.

Advanced rescue davit systems – safety first!

Systems and equipment
- MOB/rescue boat davits
- Fast rescue boat davit systems
- Tug boat davits
- Daughter craft davit systems
- General purpose davits
MacGREGOR offers a complete range of Hydramarine A-frames with capacities ranging from 1 ton to 800 tons. Available in electro-hydraulic and electrically driven versions, the A-frames can be delivered as self-contained, self-erecting units, for mounting at stern or side of vessel.

MacGREGOR supplies A-frames suitable for both general offshore load-handling and handling of special/scientific equipment onboard research and navy vessels.

**Operations**
- Offshore load-handling (e.g., plough deployment)
- Subsea load-handling (e.g., anchor handling)
- Launch and recovery of special equipment
- Special lifting operations
- Operation in hazardous areas
- Deep ocean scientific operations

www.macgregor-group.com
Nordström's high-volume bulk-handling solutions

Bulk Handling Systems (BHS) are standard equipment on Offshore Supply Vessels (OSVs) enabling them to perform their supply function.

The main tasks of the bulk handling system are to receive cargo, store it and discharge it. In conventional systems, the cargo storage and discharge is performed by pressure vessels (bulk tanks).

**High-volume operation**

Developed in response to the growing need for high-volume bulk handling systems, the Nordström's Hopper & Blow Pump configuration supplied by MacGREGOR comprises two separate units. Cargo is received and stored in a hopper integrated into the vessel's hull, while discharge is performed by a blow pump using compressed air.

**Dry bulk capacity increased by up to 75%**

Since the hopper does not need to be pressurised, it can be shaped to fit the overall hull design, utilising the available space more effectively. With this system the vessel's dry bulk capacity is increased by up to 75% using the same amount of space as conventional spherical bulk tanks.

Innovative two-way valves ensure maintenance-free valve operation. They also eliminate branch pipes, simplify the piping arrangement, and free up valuable space in the OSV.

**Totally enclosed, dust-free system**

The system is easily adaptable to any size and shape of vessel and suitable for newbuildings as well as for conversions.

Loading and unloading is carried out in the most environment-friendly way with a totally enclosed, dust-free system and an operational capability in all kinds of weather.

Nordström's pneumatic conveying systems are installed onboard more than 65 vessels of 1,000 – 40,000 dwt.

**Systems and equipment**

- Bulk cargo tanks
- Compressors for transport air
- Control systems
- Valves
- Optional equipment

Dry bulk handling systems

High-volume

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Operative availability
MacGREGOR's ambition is to ensure the operative availability of your offshore systems and equipment. Our service network consists of more than 60 stations in major ports around the globe, supplying original spare parts and repair services on a planned schedule, on demand, or on an emergency basis.

Planned maintenance
MacGREGOR's planned maintenance concept rests on the solid foundation of MacGREGOR's worldwide service network, allowing you to plan your operating budget.

MacGREGOR Onboard Care
Our advanced service programme offers different levels of service to suit your individual needs in terms of operating security and comfort.

On-demand service
MacGREGOR Service Stations worldwide solve problems as they arise, helping to keep your operation on-line. We also provide a comprehensive damage assessment and repair service.

On-line service
An increasing number of our products have computer-based control systems prepared for worldwide remote diagnostics and support via satellite communications. Reports, drawings, diagrams and pictures can be transferred on-line to our service stations for fast, effective corrective action.

Yard facilities
MacGREGOR can offer comprehensive yard facilities in Norway and Singapore for direct installations, including harbour tests and sea trials.

Documentation and training
The equipment is supplied with user manuals containing all information required for operation and maintenance. MacGREGOR also offers first-class, tailor-made training programmes for our customers’ operations and maintenance personnel anywhere in the world.

MacGREGOR aftersales/service
• Installation assistance
• Start-up and commissioning
• Training, practical and theoretical
• Spare parts
• Yard facilities, including dry dock and heavy lift possibilities
• Maintenance programme
• Retrofitting and upgrades
Where to find MacGREGOR

- Argentina
- Australia
- Belgium
- Brazil
- Bulgaria
- Canada
- Chile
- China
- Croatia
- Cyprus
- Denmark
- Egypt
- Estonia
- Finland
- France
- Germany
- Greece
- India
- Indonesia
- Iran
- Italy
- Japan
- Korea
- Malaysia
- Mexico
- Netherlands
- Norway
- Philippines
- Poland
- Portugal
- Romania
- Russia
- Singapore
- South Africa
- Spain
- Sultanate of Oman
- Sweden
- Taiwan
- Thailand
- Turkey
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- Vietnam