

FibreTrac - the smart tool for heavy lifting

MacGregor applies innovative technology to Fibre rope securing greater operational flexibility.

Increased performance

Reduced OPEX and total cost of ownership



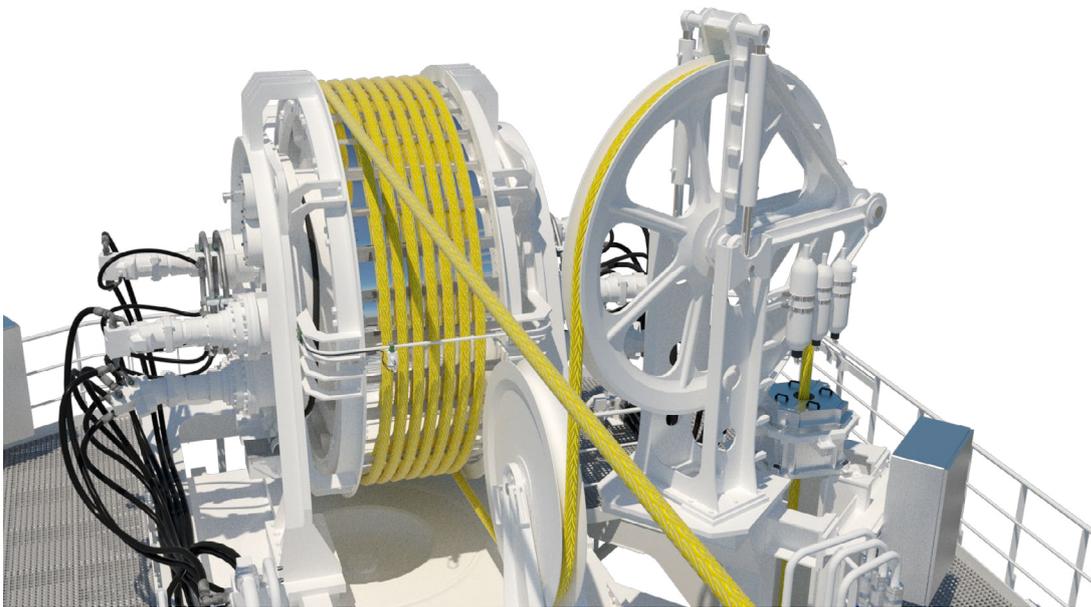
Simple science - Big benefits

Fibre rope is virtually weightless in water regardless of the length of rope payed out, adding nothing to the load experienced by the crane. This is in complete contrast to steel wire rope. The ever increasing weight of wire payed out limits the load permissible and reduces the cranes capabilities. A fibre rope crane with 150T SWL capacity is able to replace a 250T SWL capacity steel wire crane when lifting loads at depths in excess of 3000m. A smaller crane and vessel enables owners to bid on a wider range of contracts with reduced overall costs.

FibreTrac comes with an advanced integrated rope management system that calculates and displays rope usage. Combine this with the ease of handling, the ability to cut and replace or extend the rope onboard offers significant reduction in downtime and operational costs.

Gentle rope handling

Gentle rope handling and a controlled environment safeguard the fibre rope, guaranteeing a long lifetime. MacGregor fibre rope cranes use a novel capstan developed by Parkburn as a traction winch. A well proven de-tensioning system, the Parkburn capstan makes use of a unique construction with interlocking fingers to gently de-tension the rope.



The capstan consists of two interlocking drums slightly angled and offset to each other.

The unique drum geometry creates a natural and stable rope helix with no fleeting forces and no twisting of the rope on the drum. The open design also assists with rope cooling.

- Low number of high tension bends
- Large number of capstan contact surfaces ensures gentle rope handling
- Capstan design minimises fatigue in the rope
- Gentle rope spooling with regulated low tension on storage drum
- Design allows for several dimensions fibre rope and on-board splicing
- Proven MacGregor and Parkburn technologies
- Retrofit options for crane or foundation
- Highly efficient electric or hydraulic drives

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

MacGregor is part of Cargotec. Cargotec's class B shares are quoted on Nasdaq Helsinki Ltd.

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