MACGREGOR

RoRo conversion

Modifications and improvements to the stores and passenger access areas

ROPAX FERRY FINLANDIA (EX MOBY FREEDOM)

The challenge

In 2012, the Finnish shipping company Eckerö Line acquired the 175m-long RoPax ferry *Finlandia* (ex *Moby Freedom)*. The ferry has been upgraded from ice class ship 1B to Finnish 1A standard.

The ferry has 1,796 lanemetres and can take 610 cars. The freight and car deck capacities exceed Eckerö Line's needs, but with cars getting bigger all the time it's good to have the additional capacity. Passenger capacity has deen increased from 2,000 to 2,080.

The solution

MacGregor received a contract from Eckerö Line to design, deliver and install a series of extensive modifications and improvements to the store and passenger access areas of *Finlandia*. The conversion took place in September 2012 at Oresund Drydocks, Landskrona, Sweden.

MacGregor scope of supply

- two weathertight side shell passenger doors with gangway supports on each side of the vessel (deck 6);
- an 8.5-tonne scissor-type lifting platform to transport goods between decks 1, 2 and 3;
- three fire-classed sliding doors for the stop level in the lifting platform shaft
- a weathertight hatch cover for the lifting platform shaft on deck 3.

Like so many MacGregor solutions: innovation built on experience

Left: Side shell passenger doors with gangway supports were installed on each side of the ferry.

An 8.5-tonne scissor-type lifting platform was installed. Load tests with weights were performed to test the strength.

MacGregor's RoRo conversion team installed an 8,5-tonne scissor-lift and a weather-tight hatch cover.

Lloyd's Register Quality Assurance certifies that the Quality Management System for MacGregor is ISO 9001:2008 compliant.

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