

Hatch cover
conversion

MacGREGOR

Tweendeck cover conversion
for safety and profitability



Increase

your vessel's lifetime profitability and safety
with tweendeck cover conversion

What's the use of tweendeck hatch covers?

A multipurpose cargo vessel's profitability and operational safety can be substantially raised by fitting MacGREGOR moveable tweendeck covers. These additional covers can be positioned at a range of different heights, and they allow more cargo to be loaded by reducing the amount of hold space left unused. Different types of cover side supports are available, enabling optimum utilisation of the hold. When not needed, the supports can be removed or swung inside the longitudinal bulkheads.

By reducing cargo stacking loads, MacGREGOR's lift-away tweendeck covers prevent risk of cargo damage. They also make loading and discharging easier because of improved access to the cargo.

At sea, these features contribute to more comfortable rolling motions as the ship is less stiff, and allow more flexibility to adjust the ship's stability.

All these factors help increase the lifetime profitability of a vessel.



An accurately positioned tweendeck hatch cover protects the cargo from excessive stacking loads, and provides flexibility in the utilisation of the hold.



Different types of side supports ensure easy and effective use of tweendeck hatch covers.

The purpose of a commercial ship is to carry and transport goods.

MacGREGOR's goal is to maximise carrying capacity for all cargo mixes and port infrastructures – at minimum cost.

Tweendeck cover conversion optimises cargo holds for maximum amount of cargo. It also enables quick and easy lay-out adjustment for different cargoes as well as enhances safety by providing tailored cargo securing solutions. MacGREGOR takes full responsibility for the design, materials and installation of the tweendeck conversion solution.

Extended lifetime, short pay-back time

Tweendeck cover conversions are carefully pre-planned operations carried out with minimum effect on a ship's schedules. A conversion includes:

- study of the cargo hold arrangement
- inspection of the vessel followed by a detailed report on the condition of the cargo holds, hatch covers and the conversion potential
- calculations for possible modifications
- design of tweendeck cover conversion
- approval of the drawings from classification societies
- conversion of the cargo holds and

hatch covers in suitable location

- testing of the equipment with the owner and classification society surveyor

Quick turnkey conversion starts earning more money in a minimum of time.

Designed for maximum efficiency

MacGREGOR's tweendeck conversions are specially tailored for each ship and cargo type. A conversion allows more cargo to be loaded in the holds because the new tweendecks increase the net deck/cargo area. Furthermore, a carefully optimised tweendeck arrangement makes the cargo holds versatile. Efficient loading of a wide variety of cargos into the holds is possible, because the space can easily be formed according to the cargo needs.

Technically, additional tweendeck levels are created by installing new support points to the sides of the cargo holds. No additional items will be installed inside the holds. The new tweendecks accept cargo loads up to approximately 5 t/m².



Better safety with increased cargo capacity

When cargo is loaded on the tweendecks, forces on the tank top and on the cargo itself will be reduced. This saves the ship's structures and protects the cargo for damage.

The efficient, optimised cargo hold utilisation benefits ship stability and also makes the ship's rolling motions more comfortable.

Effective cargo handling

Optimising the utilisation of the holds, tweendeck conversion provides more flexibility to loading and discharging. Better accessibility makes it easy to arrange effective loading/discharging of the cargo. For example, the hold may be arranged with tweendeck panels for special cargo on the port side and other panels for general cargo or containers on the starboard side.

Special hinged supports for tweendeck panels for different levels are provided. Also partial opening of the holds for containers is easily arranged.

Global after-sales service

MacGREGOR's global after sales network supports the tweendeck cover conversions in service – wherever in the world your ships are.

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