

ESG

Electrical Spooling Gear

For Better Reeling

Naust Marine Electrical Spooling Gear in over 40 vessels

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Poor reeling on trawl winches is a problem most skippers are familiar with

Naust Marine understands accurate and reliable reeling is important to the livelihood of all fishermen. To best assist our customers, the Naust team took to developing an ideal solution.

Naust Marine unveiled its state-of-the-art Electrical Spooling Gear (ESG) for trawl winches in 2008

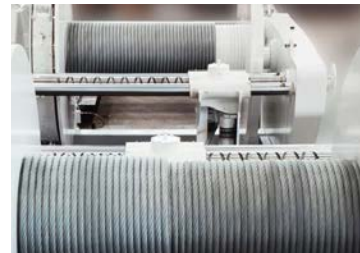
Since the launch, over 40 trawlers throughout the world have entrusted this product to ensure safe and reliable reeling and that number is growing.

Naust Marine's ESG is designed for all types of trawl winches

Whether electric or hydraulic winches, with minimum modification it can fit all winch types regardless if steel wire or high-performance ropes are used. Older wire/rope, spliced connections, differing sizes of wire/rope together can all affect successful reeling and make selecting the appropriate settings for crown-heels used with most winches today cumbersome. With Naust Marine's Electrical Spooling Gear system the skipper can easily adjust the speed, in accordance with different diameters of rope/wire to ensure consistent reeling. The ESG controls can be a stand-alone package, be combined with Naust Marine's Automatic Trawl Winch (ATW) Control system or integrated into an existing ATW Control system onboard.

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How the Naust Marine ESG works

An electrical gear-motor is mounted onto the winch and connected to the spooling device with a chain. Encoders are mounted on both the ESG motor and the Trawl Winch motor. Reading the rotations of the Trawl Winch via the encoder, a Programmable Logic Controller (PLC) computer calculates and controls the speed of the ESG motor in order to accurately position the spooling device.

Using the touchscreen, the user can easily change the settings of the system to adjust for wire or rope diameter changes.

Naust Marine Electrical Spooling Gear Advantages

- Allows for quick and easy wire diameter adjustment via controls in wheelhouse
- Fits on any type of spooling device / level wind
- Mitigates need to keep spare chain sprockets on board
- Provides Learning mode for different wire diameters or splice
- Reduces strain and increases lifetime of towing line
- Removes need to open spooling gearboxes out at sea
- Saves considerable time when replacing wire

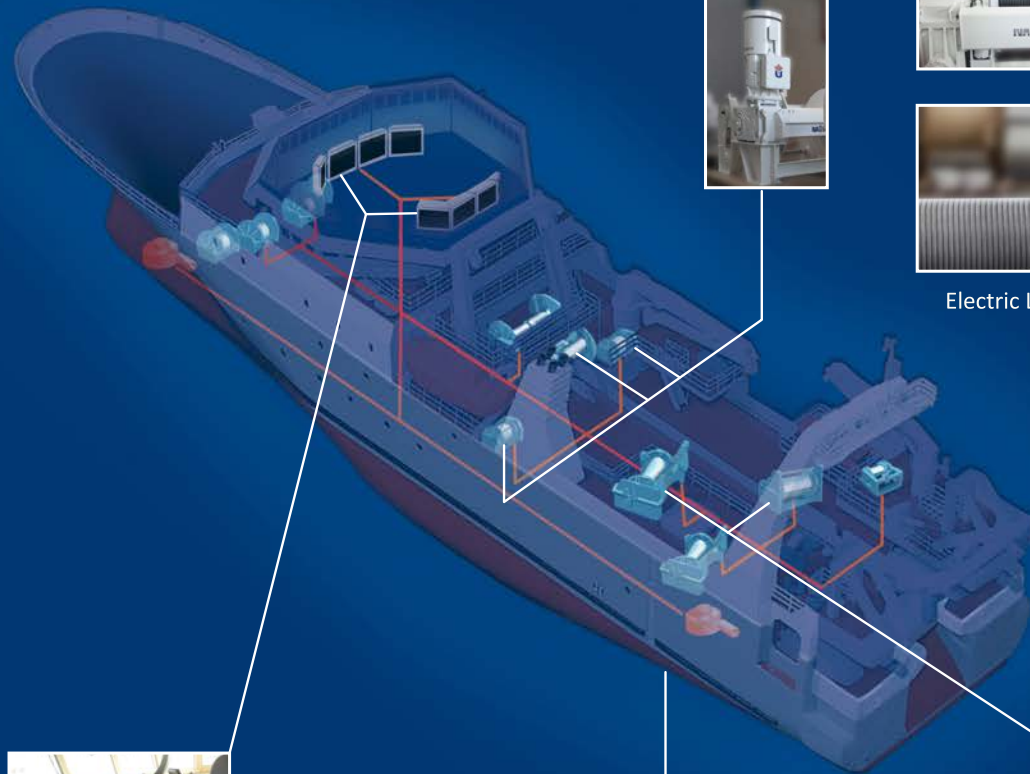
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Bridge controls
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