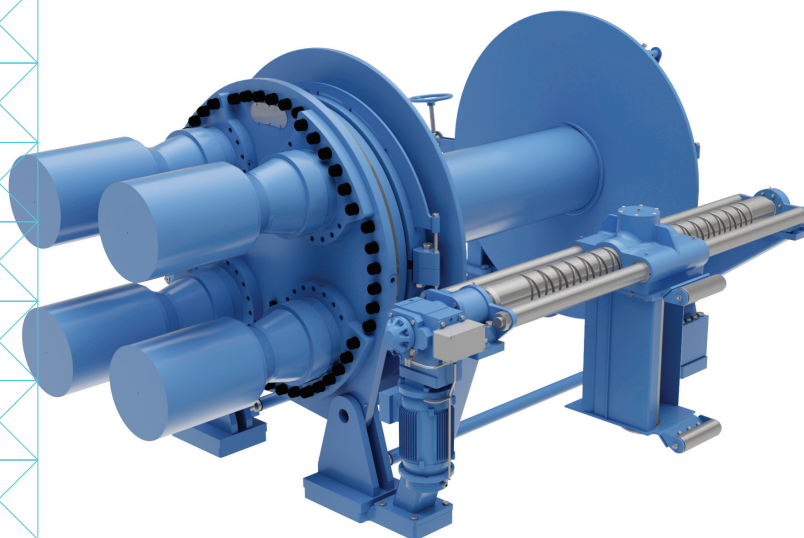




KONGSBERG



## KONGSBERG DECK MACHINERY

# MultiDRIVE electric winch system with PM motor

### MultiDRIVE

- 3 or 4 permanent magnetic motors – water cooled
- One Frequency converter for each motor
- A drive line consists of one PM motor, planetary gear with pinion in conjunction with one Slew bearing common for 3 or 4 PM motors
- Good redundancy, if one motor fails reminding motors will be able to give sufficient operational freedom

### PM motors

- 6 poles motors
- Extreme low Moment of Inertia in motor
- Good total dynamic properties
- Good quality
- Possibility for regenerative effect to ship net
- Low total winch weight (14t)

### Duty:

- Up to 52 tons nom. pull with three motors, +boost up to give 30% more from middle layer.

### Duty:

- Up to 85 tons nom. pull with four motors and medium gear ratio. +Boost up to give 30% more from middle layer

### Duty:

- Up to 25 tons nom. pull with one motor, +boost up to give 30% more from middle layer-
- First newbuilding with this solution will be delivered in 2022 Karstensens, NB 455 - Astrid