



KONGSBERG



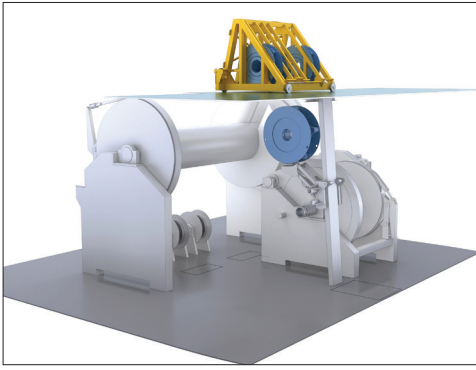
CHAIN WHEEL CHANGER

DECK MACHINERY

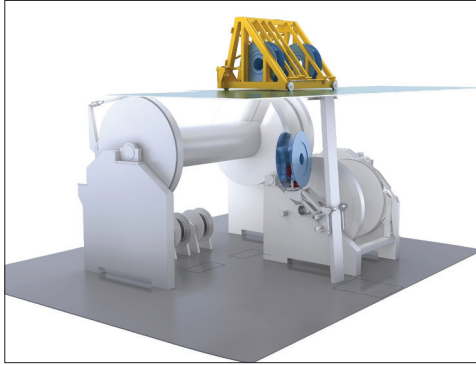
Offshore supply and service Safer deck operation Chain wheel changer

Advantages - chain wheel changer for safer deck operations

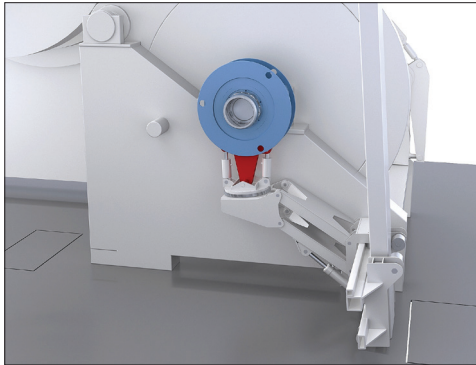
- Safer change of chain wheels in open sea conditions. No need for return to harbour if the weather conditions are reasonable
- Spare chain wheels are safely stored in a storage rack above the anchor handling winches
- Considerably more deck area is made available as the anchor handling winches can be moved forward
- Sheltered working environments for the deck crew are possible as access from a harbour crane between the winches is no longer required
- Overload test with 1,25 SWL is performed under the surveillance of certifying authorities
- Assumed maritime operational conditions for the chain wheel changer system
- Changing of cable lifters in open water:
 - Longitudinal 1,0 m/s² head sea
 - Transversal 1,6 m/s² beam sea
 - Vertical 2,5 m/s² beam sea
- Survival conditions for a preserved and ready for sea system:
 - Longitudinal 2,1 m/s² head sea
 - Transversal 9,5 m/s² beam sea
 - Vertical 5,3 m/s² beam sea



Step 1: the troweller mechanism



Step 2: involves turning the wheel



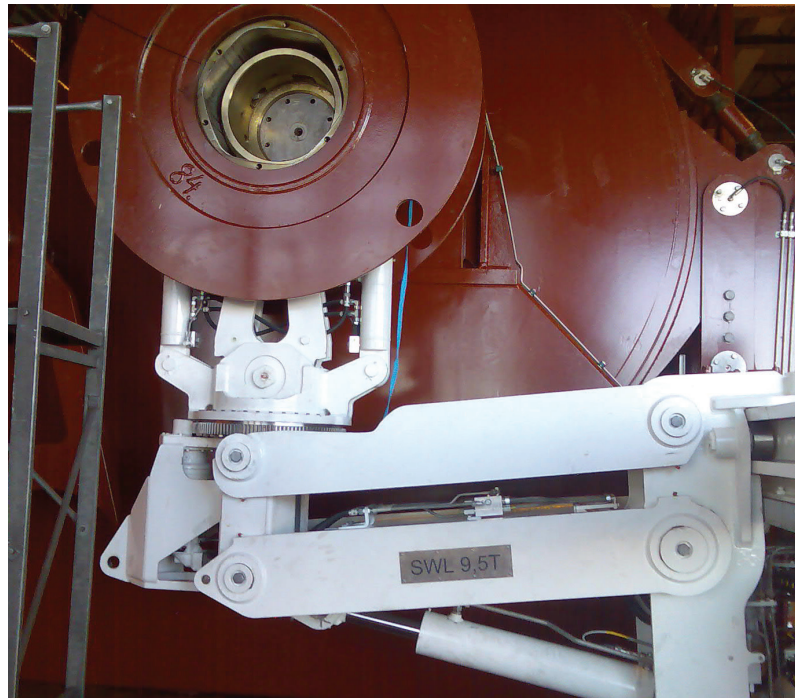
Step 3: the wheel is offered up to

Component overview for the complete system

- Centring device for simplification of wheel guide on to the stud shaft
- Rated cable lifter size: $\varnothing 165$ mm with an OD of $\varnothing 2700$ mm
- Rack for safe storage of cable lifters. SWL 35 000 kg
- Guide rail with winch for hoisting of shift trolley
- Power pack with tank, variable displacement pump, valve block, starter and interface cabinet
- Portable wireless remote control for all main functions

For reference

4 vessels of UT 731 CD - design, equipped with chain wheel changers, are to be delivered for Farstad Shipping. Hull No. 711 and 712 are now completed at yard STX Norway Offshore AS, Langsten. Hull No. 713 and 714 are under construction.



Demonstration of final product

