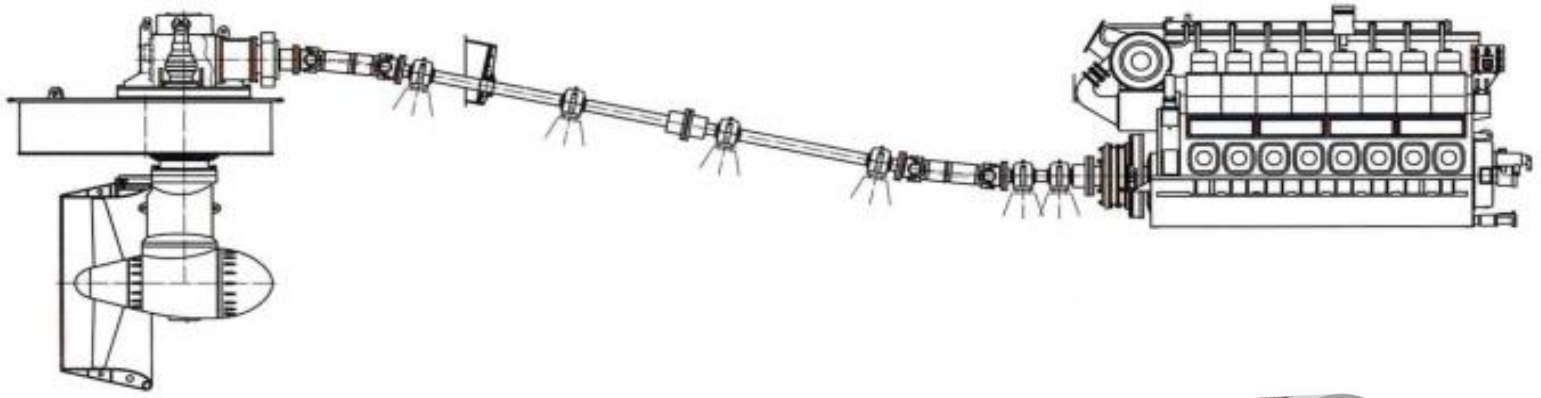
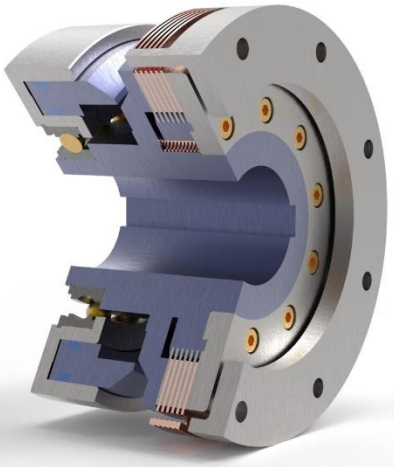
MARITIME SOLUTIONS

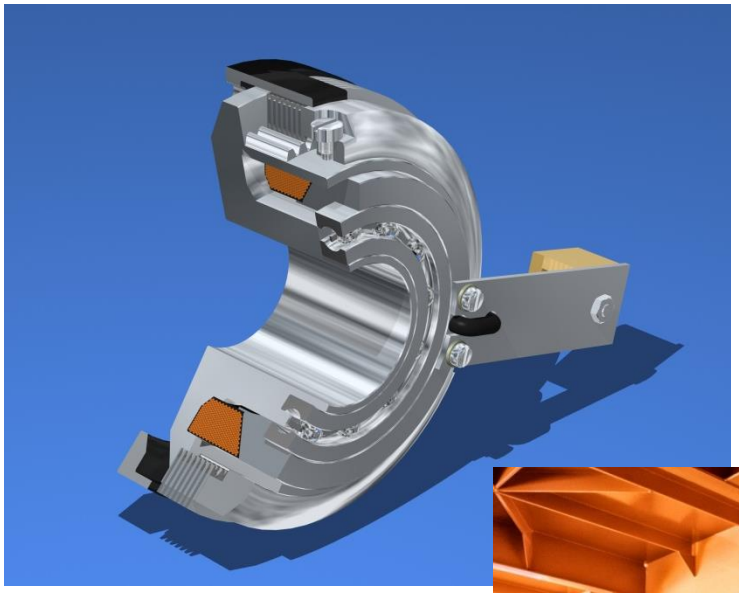
Main Drive

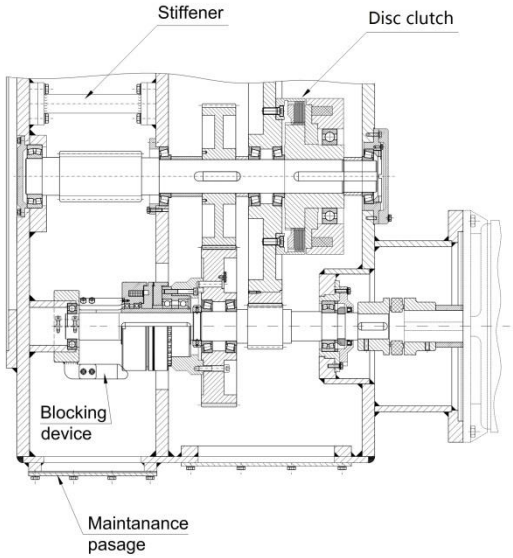




Clutch to connect and disconnect the main drive with „inching function“

Towing winch

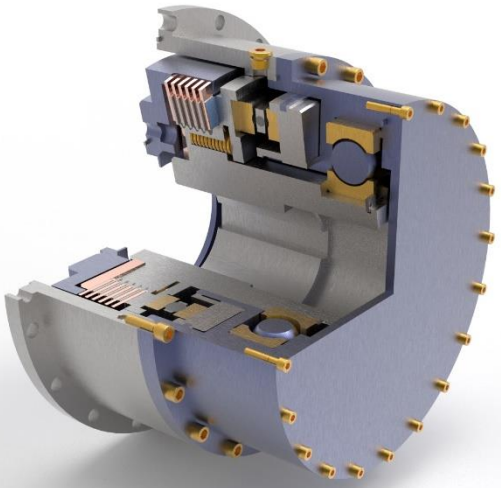




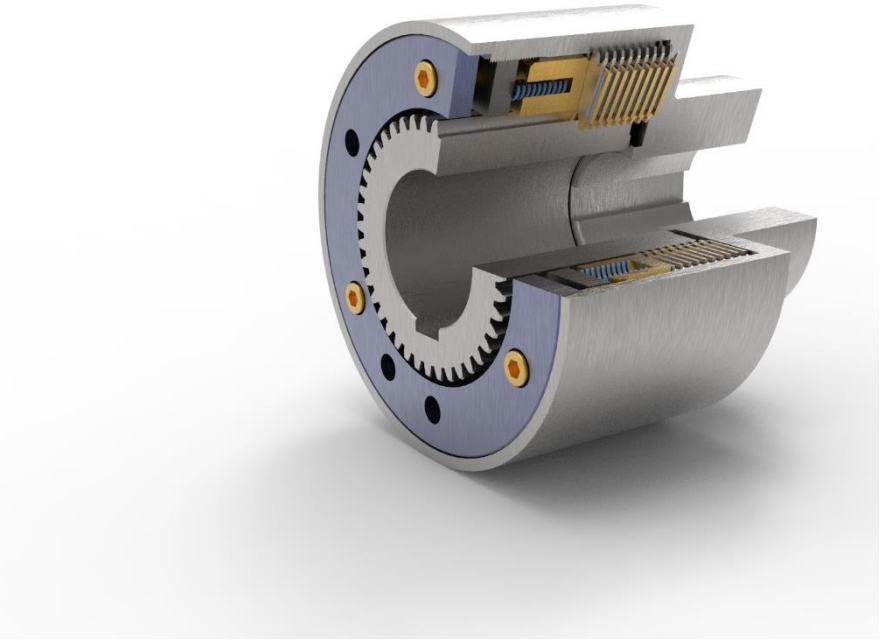
Clutch FOV series for gear switch low-high for tug main winch

Escort winch

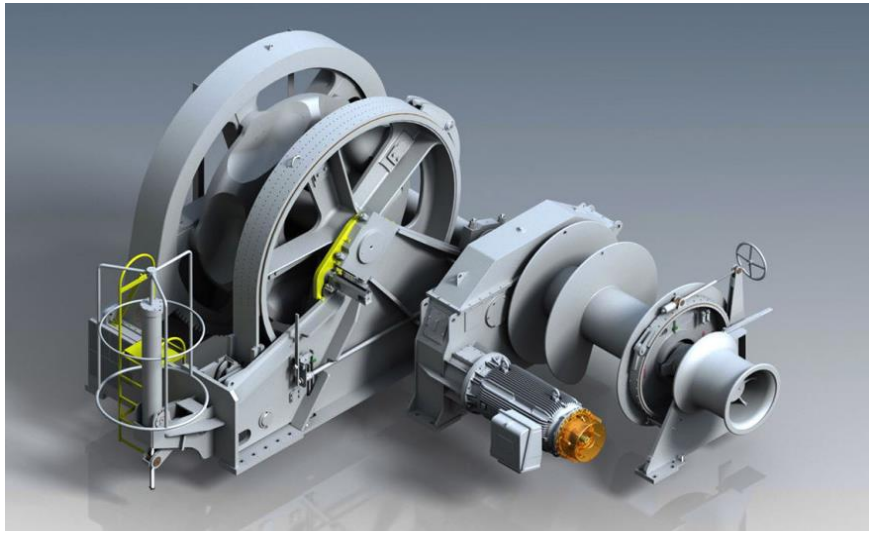
Escort towing winch 1000 kN: gearbox driven by 2 pneumatic clutches PLW series with 17.000 Nm torque each.



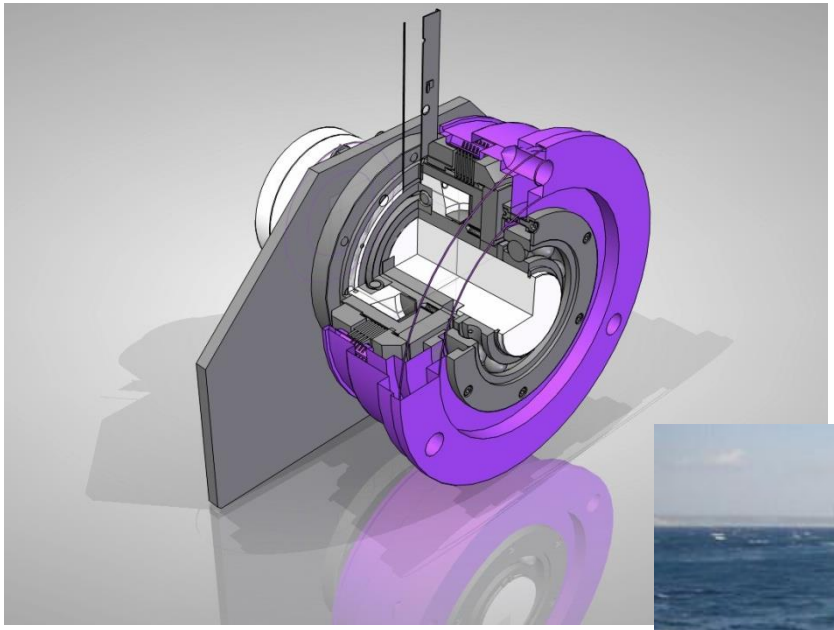
Anchor winch



Safety clutch RLO-S series to protect drive units against high torque peaks. Slipping torque is precisely adjusted and certified in our test bench +/- 2%



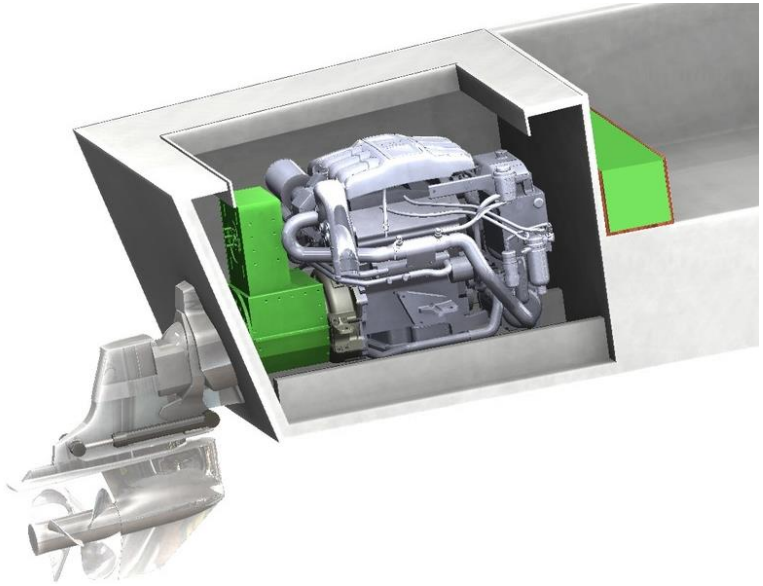
Power Take Off

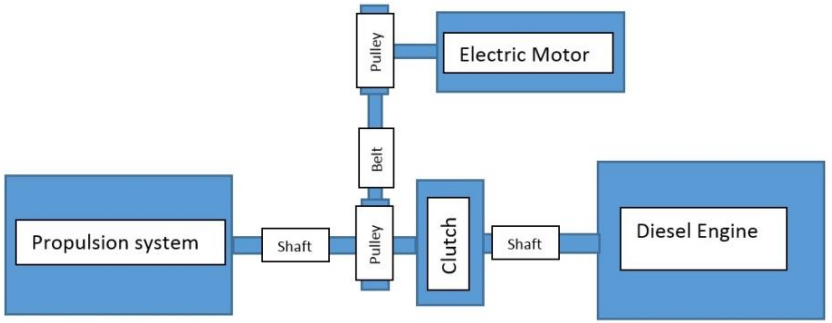


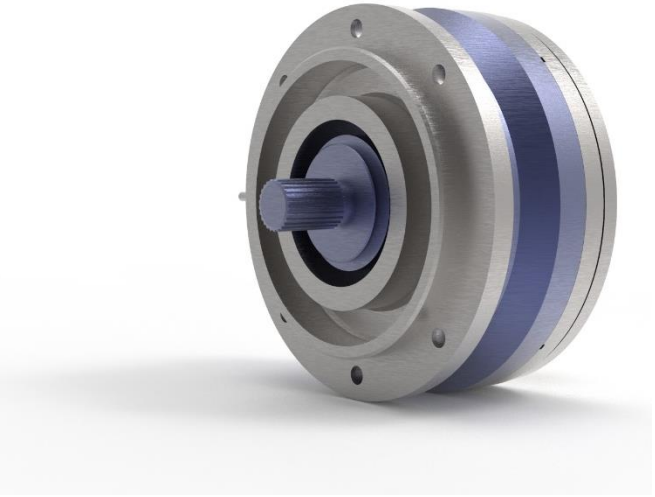
PTO clutch for hydraulic system, complete unit comprising elastic coulpling and welding plate

Hybrid drive reduces air pollution in UNESCO world heritage VENICE

Hybrid Boat Drive

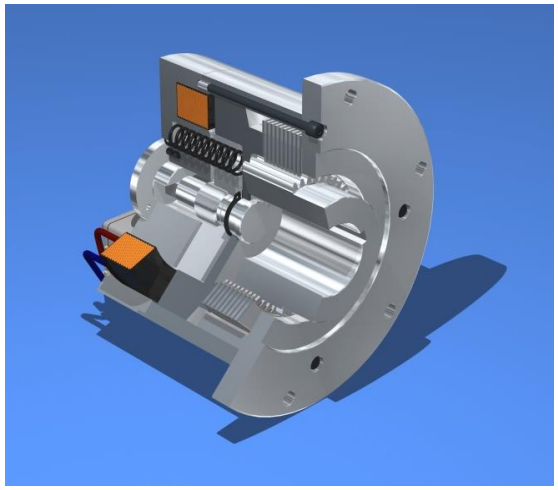




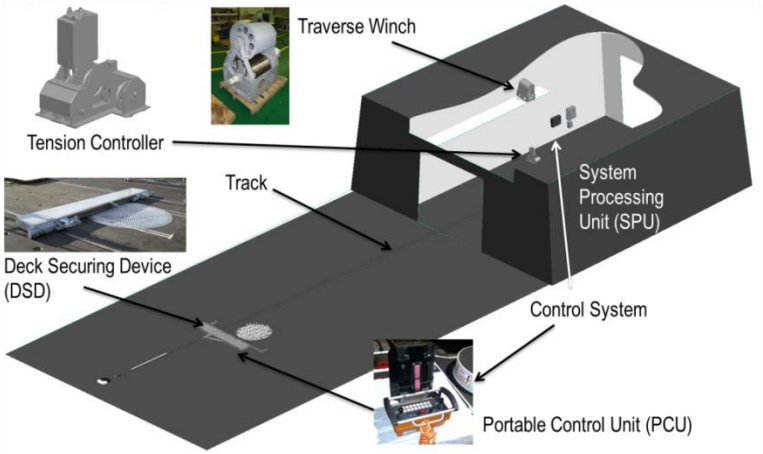


„Drop-In-Hybrid“ connects and disconnects the combustion engine from and to the system

Deck securing system

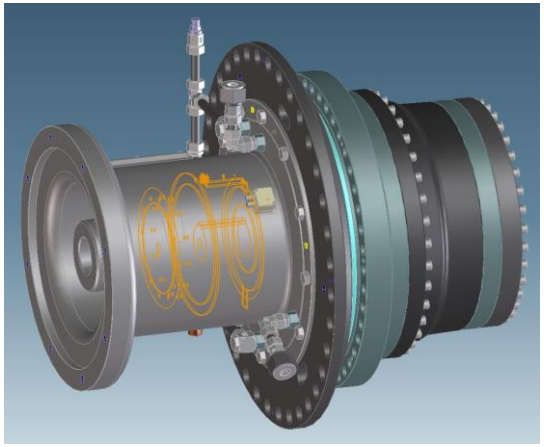


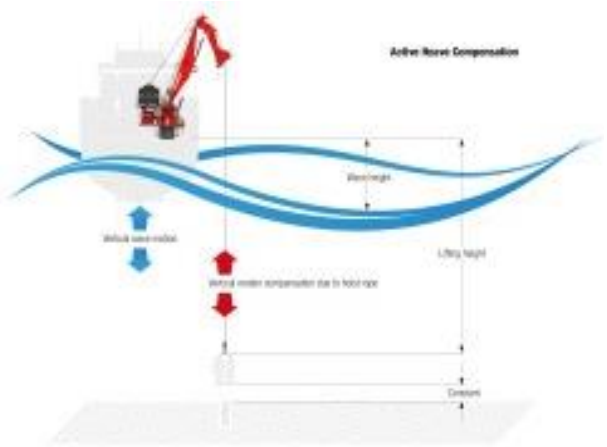
Positioning brake FMOB series for deck securing system system used for onboard helicopter landing platforms



Heave compensation winch

Heave compensation winch: max torque output gearbox 94 kN drive power 280 kW
A&G clutch FZVAM 1000 with 10.000 Nm has safety function between gearbox and e-engine



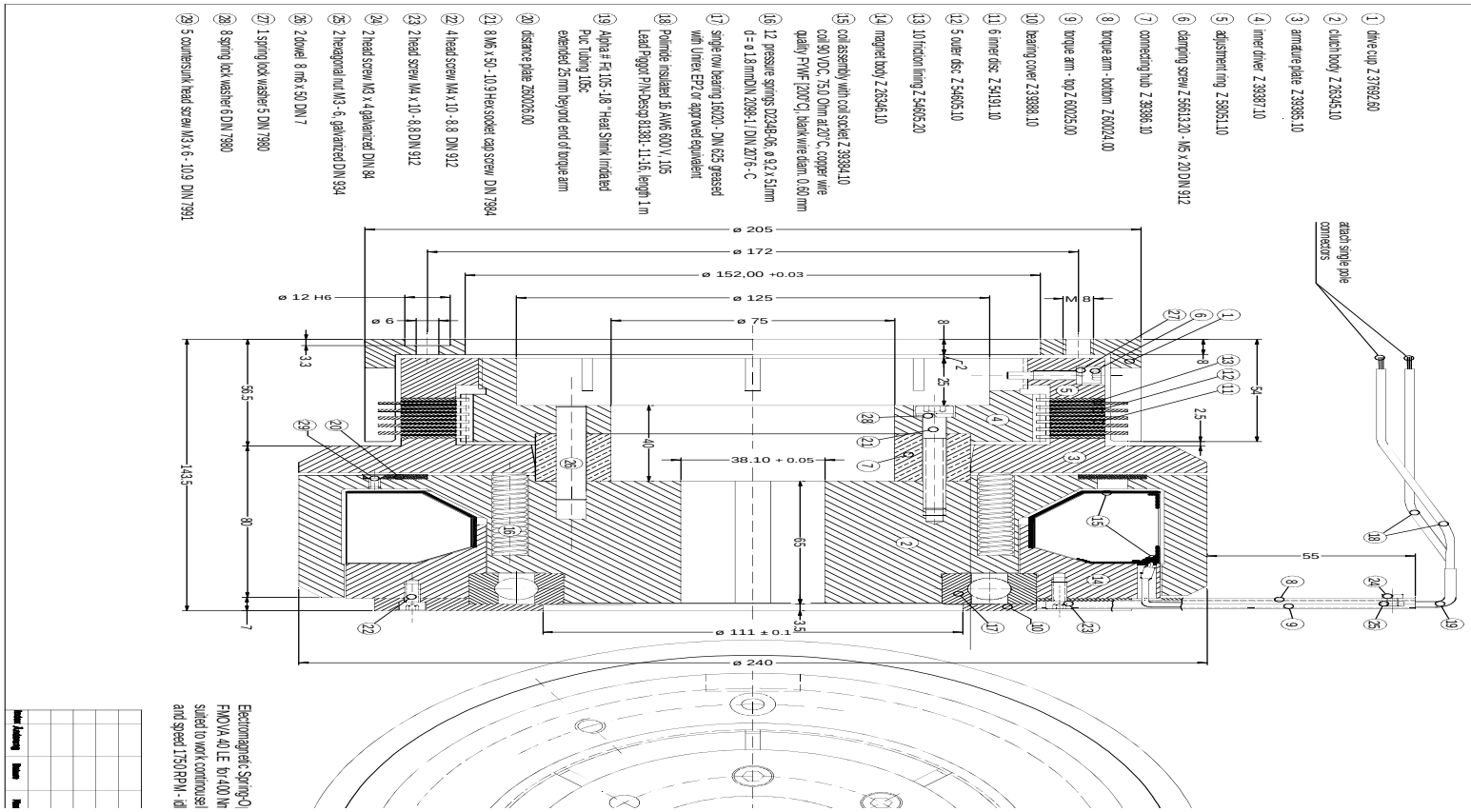


Diving Robot

3 sizes of special designed brake MUOB-S with adjustable brake torque hold the manipulation arms and slips when overloaded

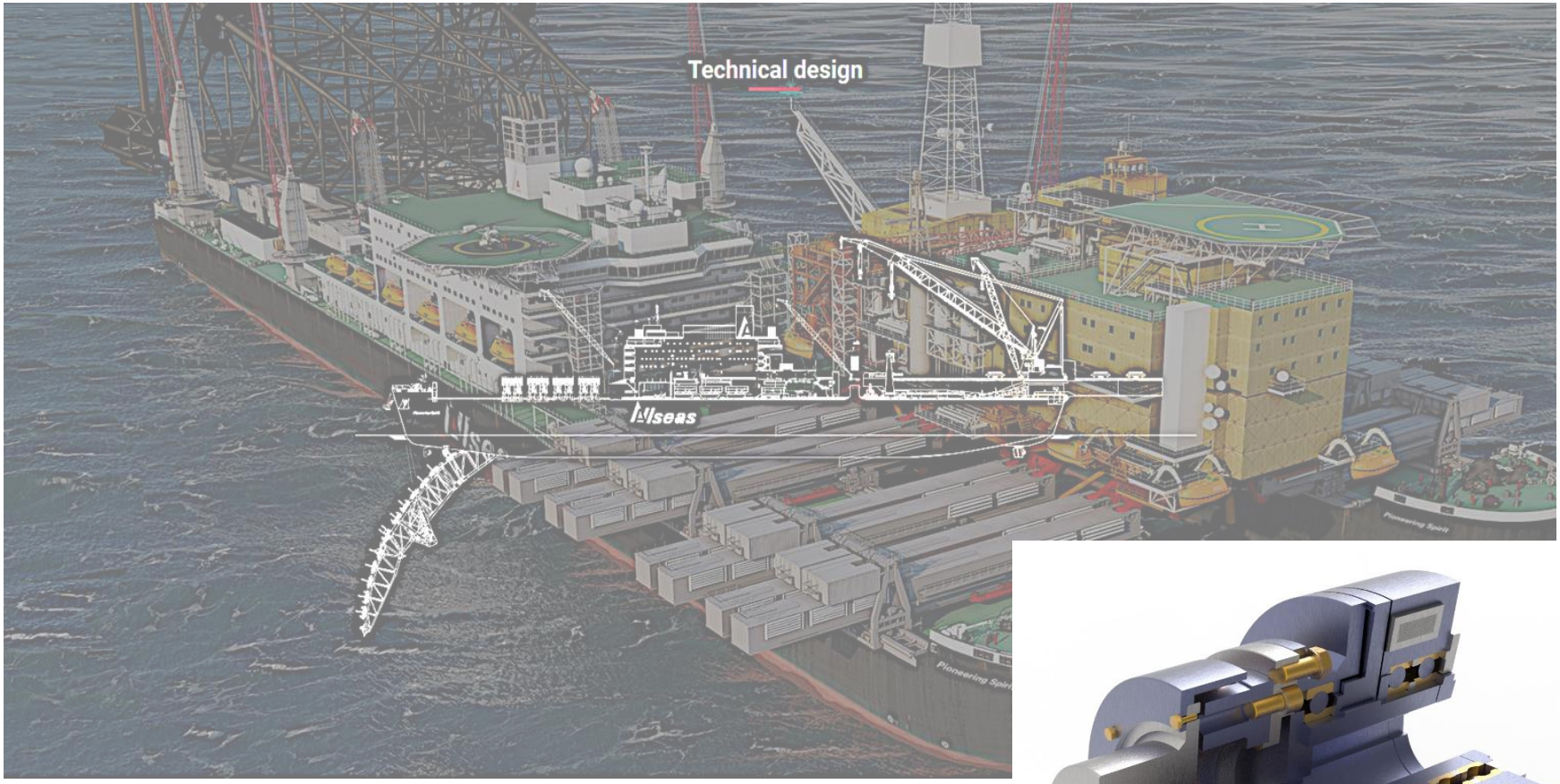
Diving Robot

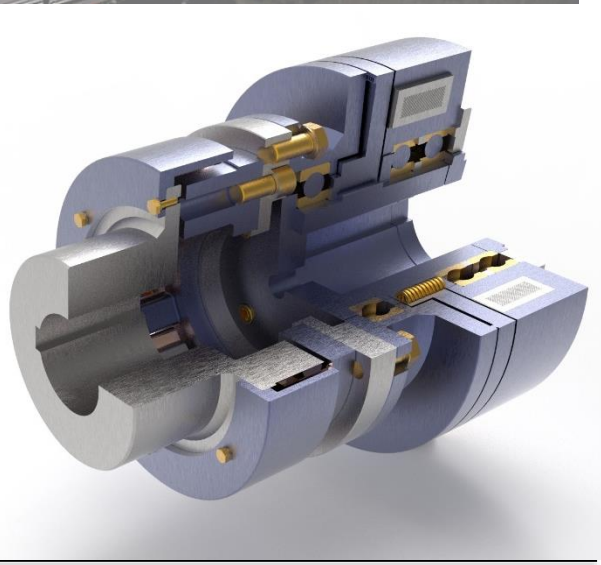
Diving Robot



A&G electromagnetic clutch FMOV 40 LE (low energy) is used in the main drive. This clutch has a special designd coil and is able to reduce power consupmtion of mor than 38%

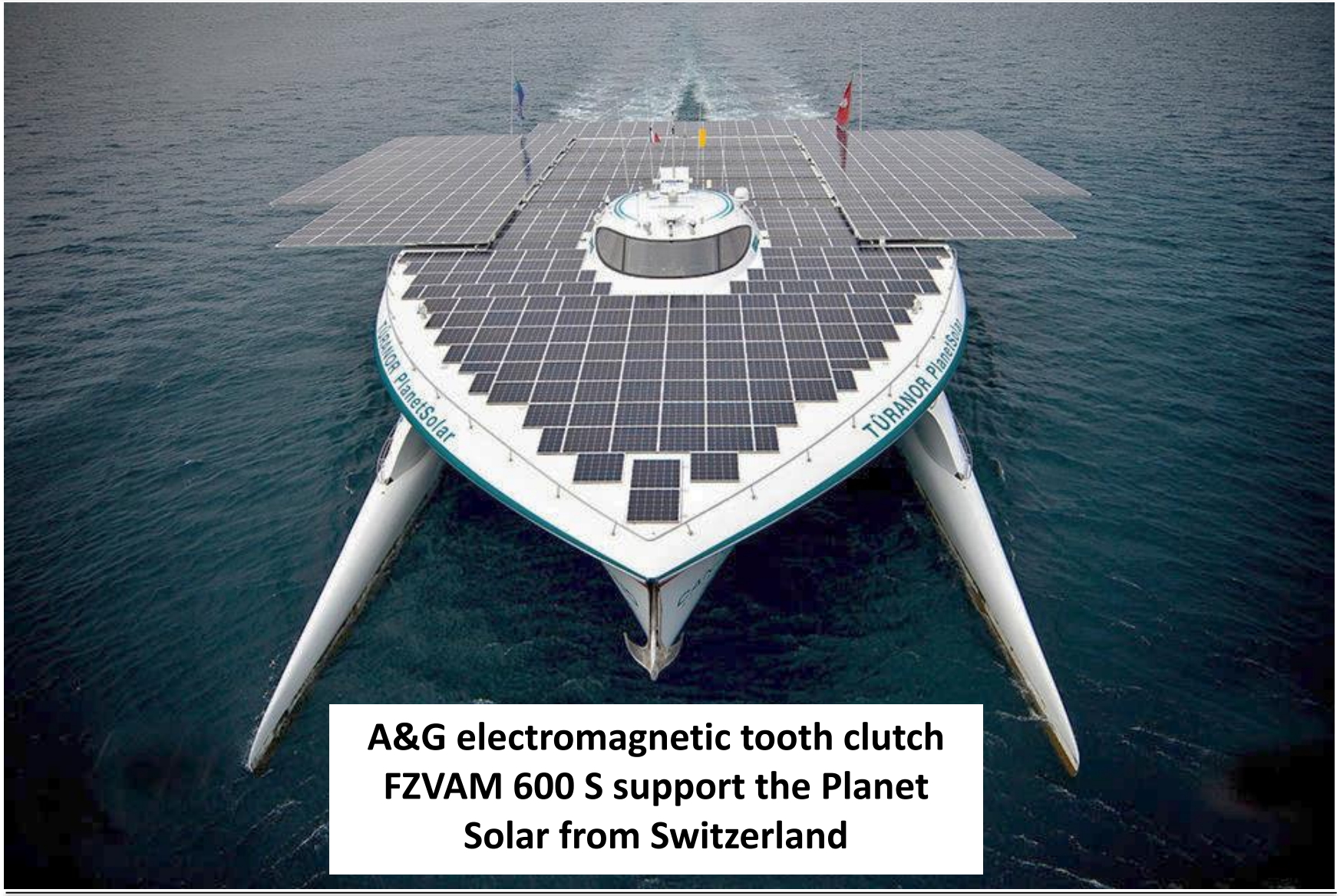
Pipe laying





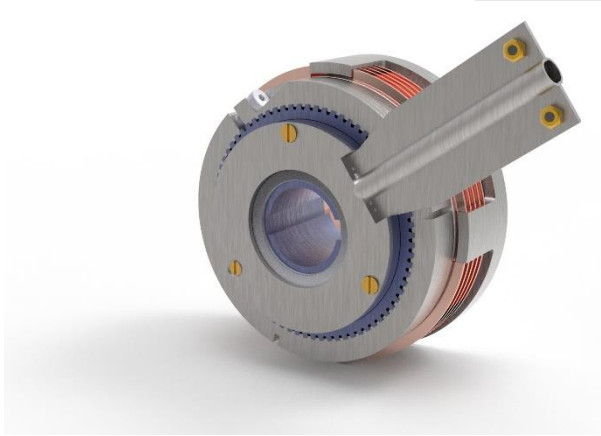
A&G electromagnetic spring actuated tooth clutch FZO 630 drives the rope winch for adjusting the layer (tail winch)

Solar panel adjustment



A&G electromagnetic tooth clutch FZVAM 600 S support the Planet Solar from Switzerland

America`s Cup



Multi disc clutch FMV 10 connects the grinders man power to the on bord hydraulic pump