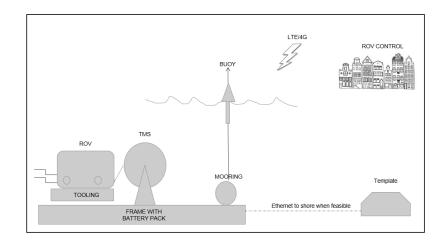




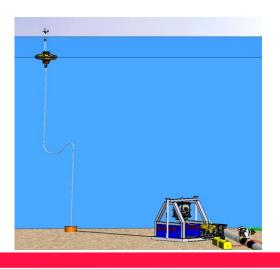
E-ROV: From Vision to Reality:

September 2015:





January 2016:



June 2017:





January 2019:









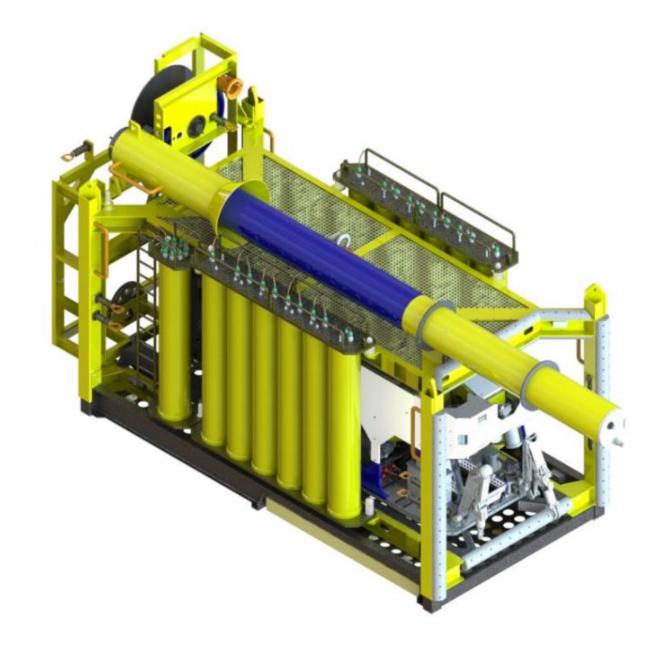
E-ROV

Main Frame

Footprint: 20' container

Weight: 25 tons

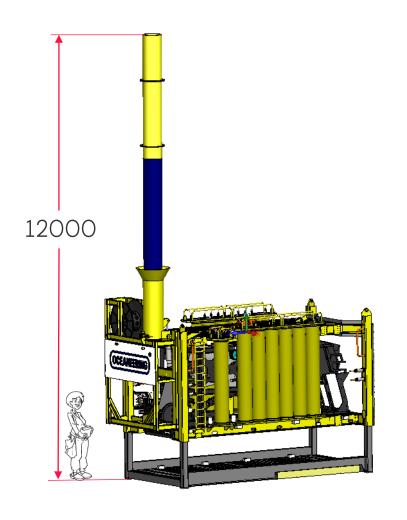
Single lifting point





E-ROV

Main Frame with buoy system









equinor

Main Frame





TMS Frame







Testing of the TMS





The Work ROV

Electrical Enovus WROV

Schilling T4 and Schilling Atlas: 7f manipulators

HPU for manips and tooling

SPRINT-Nav inertia subsea navigation system



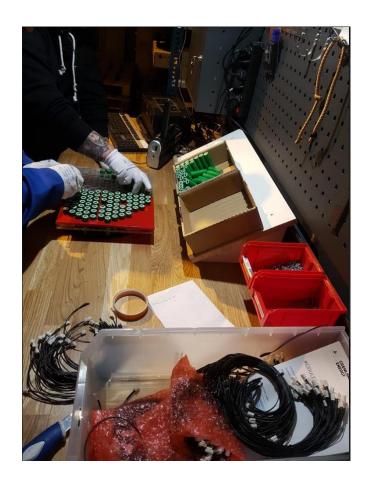




Battery System

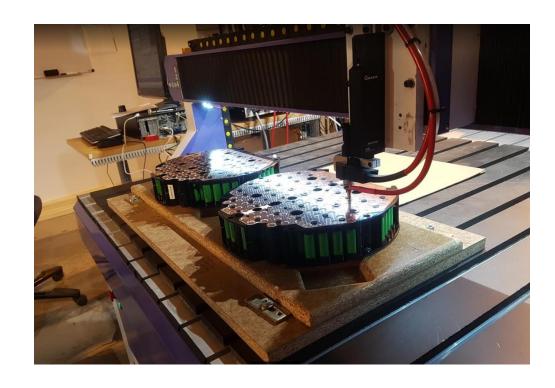
50 000 of Litium battery size Ø18 X 65







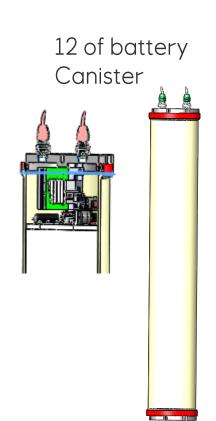
Battery System

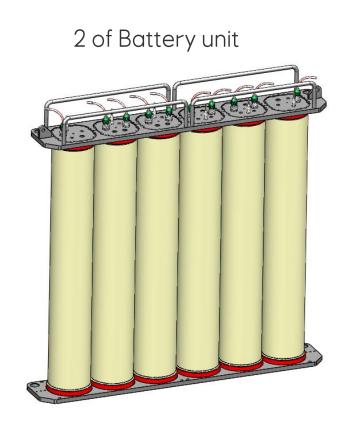




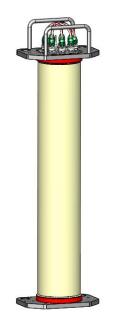


500 kWh Battery System





1 of BMS Canister







Battery charger





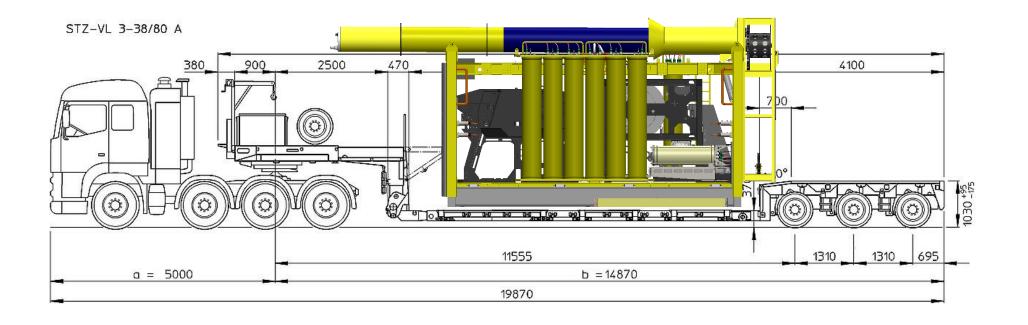
Hyperbaric testing







Transport

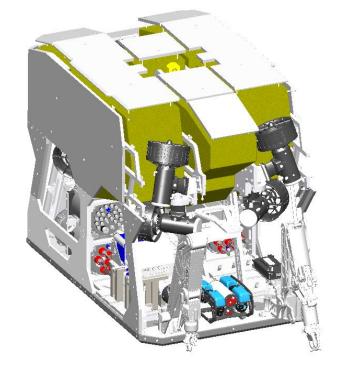




Fly-out ROV









Typical E-ROV operations

- Manipulator operations
- Hot-stabbing
- Jumper change outs
- De-Commissioning
- Commissioning
- Jacket inspection
- Subsea template inspection
- Riser inspection
- Anchor chain inspection
- Cleaning
- High pressure jetting operations
- Valve operations with torquetools

- RFO/pigging operations
- CP-probing
- Condition monitoring
- Rig support
- Tie in operations

The E-ROV Concept may also become a valuable tool for other Ocean Space activies such as sea farming and offshore wind operations



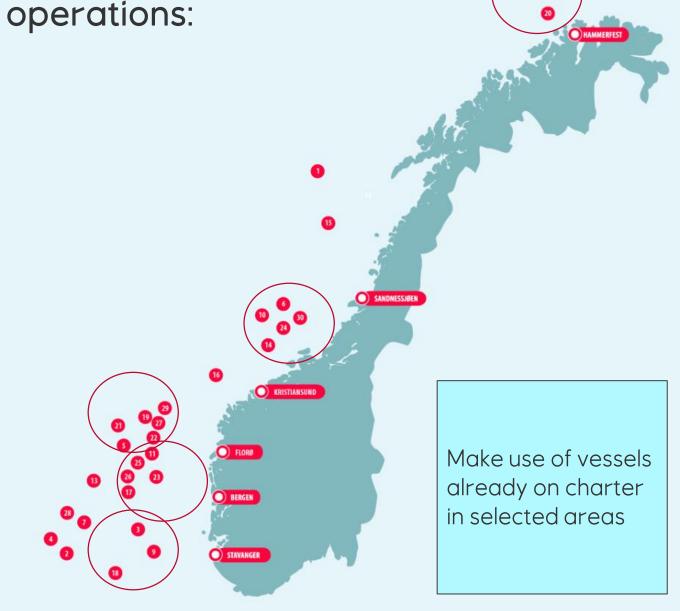
Cost efficient E-ROV operations:













E-ROV = Team Work



There's never been a better time for good ideas

Kaj-Ove Skartun

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