



Fortid, nåtid og fremtidig Subsea Teknologi

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VP & General Manager



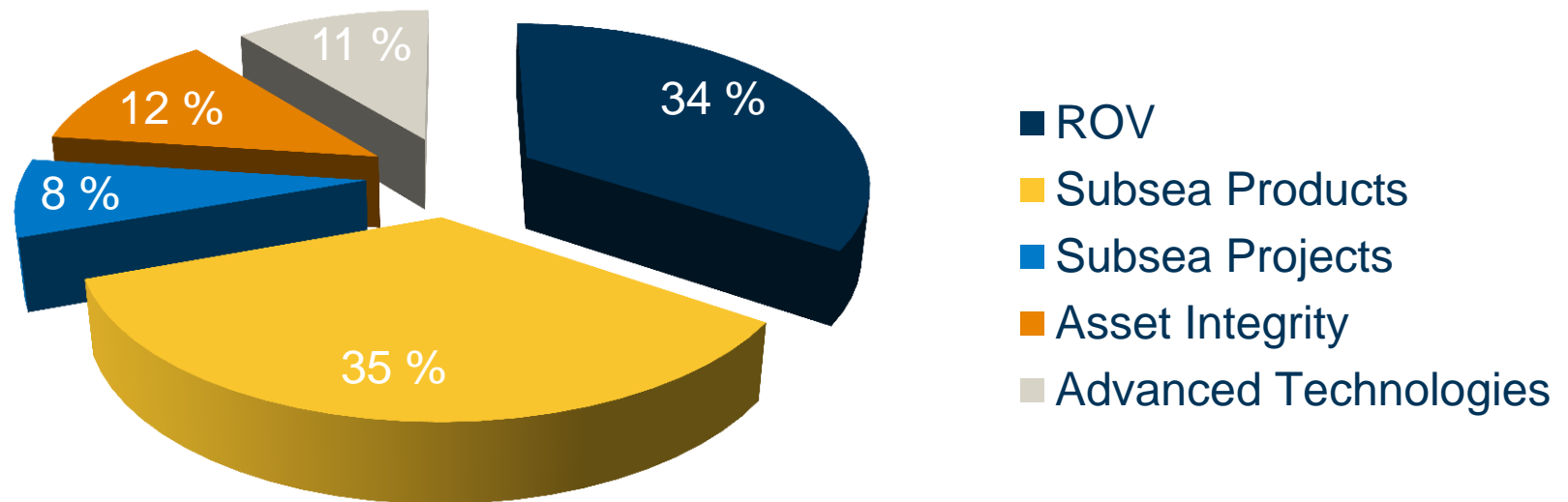
Oceaneering International Inc.



- Founded in 1964
- Listed on NYSE
- 67 locations in 21 Countries
- Approximately 12 000 Employees
- \$ 2,5 billion yearly revenue
- Operate from 7500 msw through to outer Space

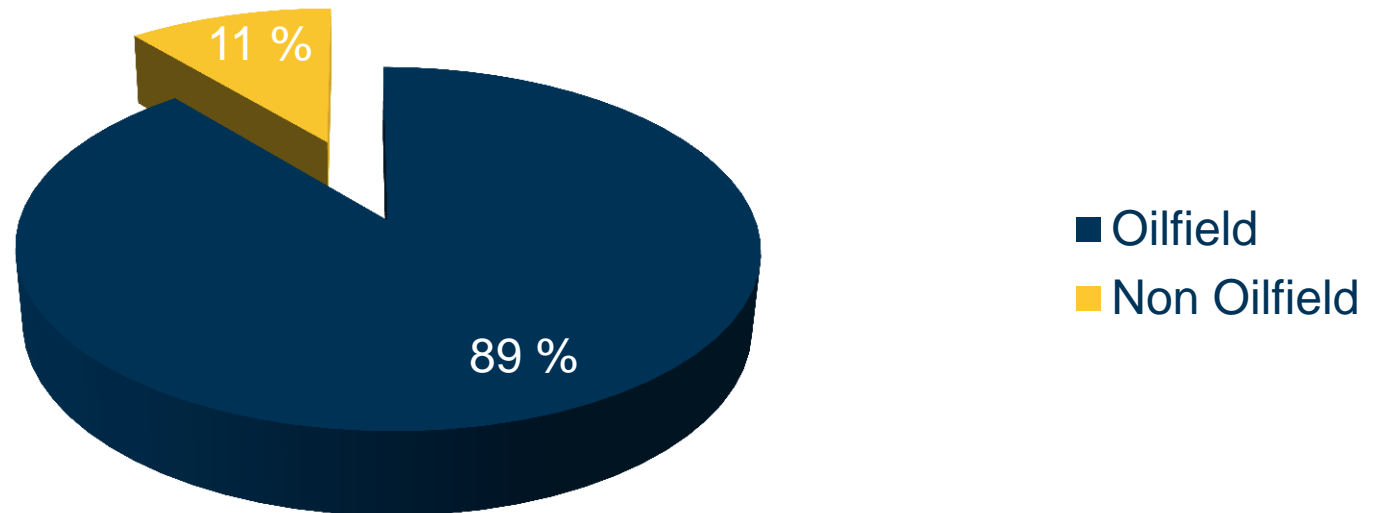
Solving Challenges from Sea to Space

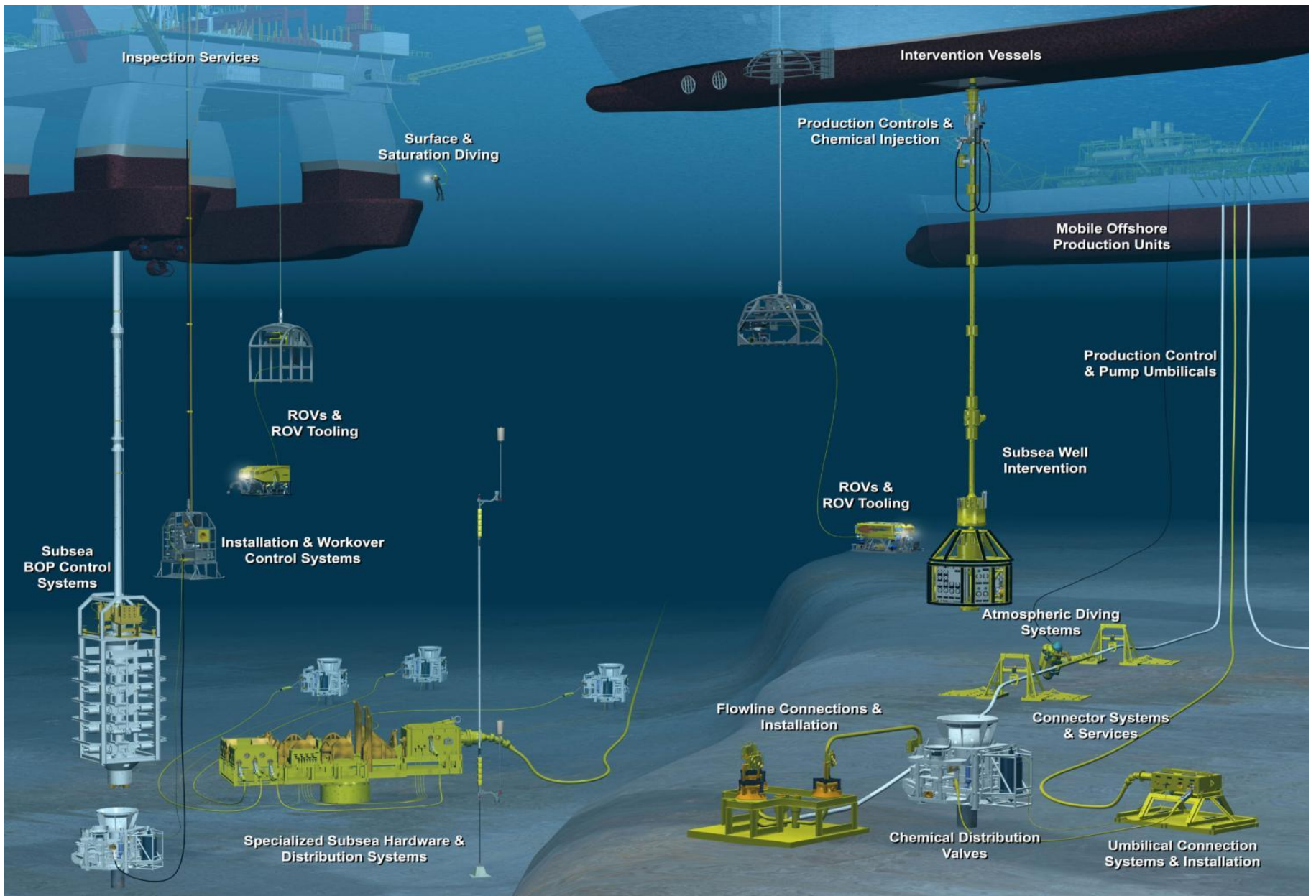
Business Segment Revenue (2011)



Solving Challenges from Sea to Space

Oilfield / Non Oilfield (2011)





The world of Oceaneering

From sea to space

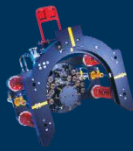




Oceaneering AS - Norway



ROV
Operations



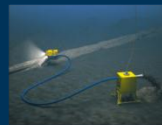
Remote Intervention
Technology



Rental &
Maintenance



Subsea
All Electric



Dredging &
Decommissioning



Rotator
Valves



Umbilical
Solutions

Your *perfect* team player
OCEANEERING

Oceaneering in Norway

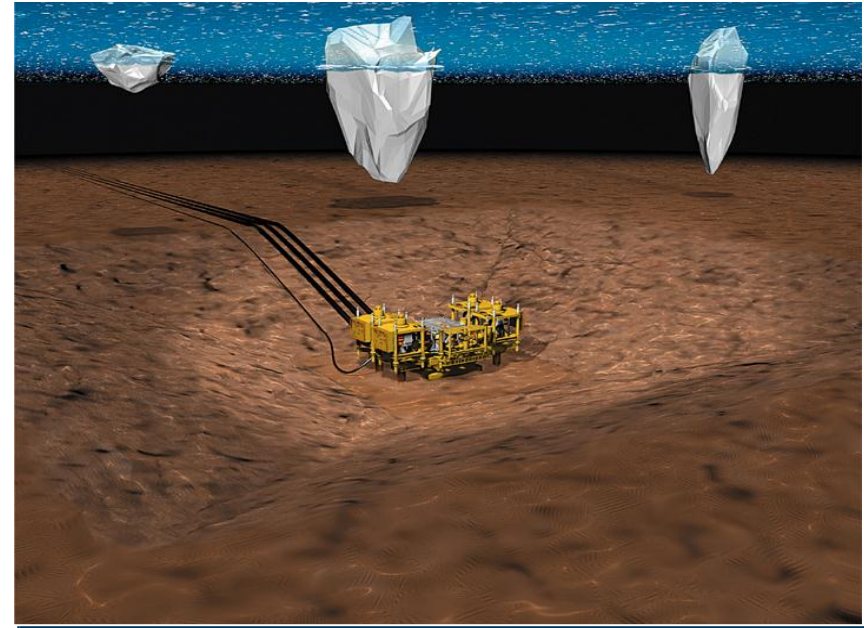
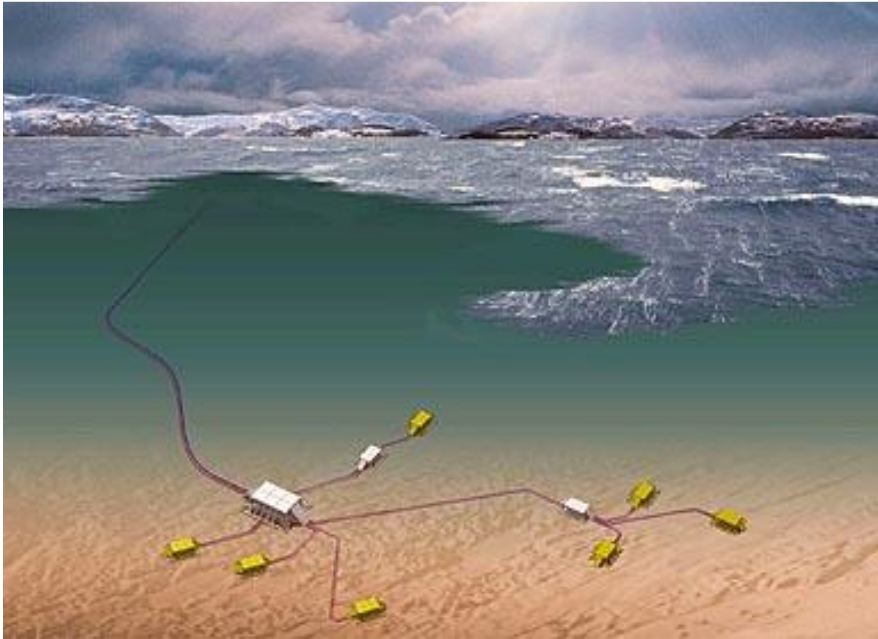


- Started in 1973
- Approximately NOK 2,5 mrd yearly revenue.
- Approximately 1400 permanent employed personnel
- Located in Stavanger, Bergen, Kristiansand, Trondheim, Fredrikstad, Florø, Mongstad, Ågotnes og Kristiansund.

Fortid, nåtid og fremtid...



Harsh environments...



Norway/Barents Sea; East Canada; Sakhalin...
anywhere harsh weather, hydrocarbons, and ,sometimes, deepwater meet.

It really does look like the artists impression!



At work...



Remotely Operated Vehicles



Maximum ROV
Very Heavy Workclass
330 HP



Millennium ROV
Heavy Workclass
220 HP - 4000 Mtr Rated



Magnum ROV
Workclass
170 HP - 4000 Mtr Rated

***Almost 300 WROV
systems are currently in
operation***

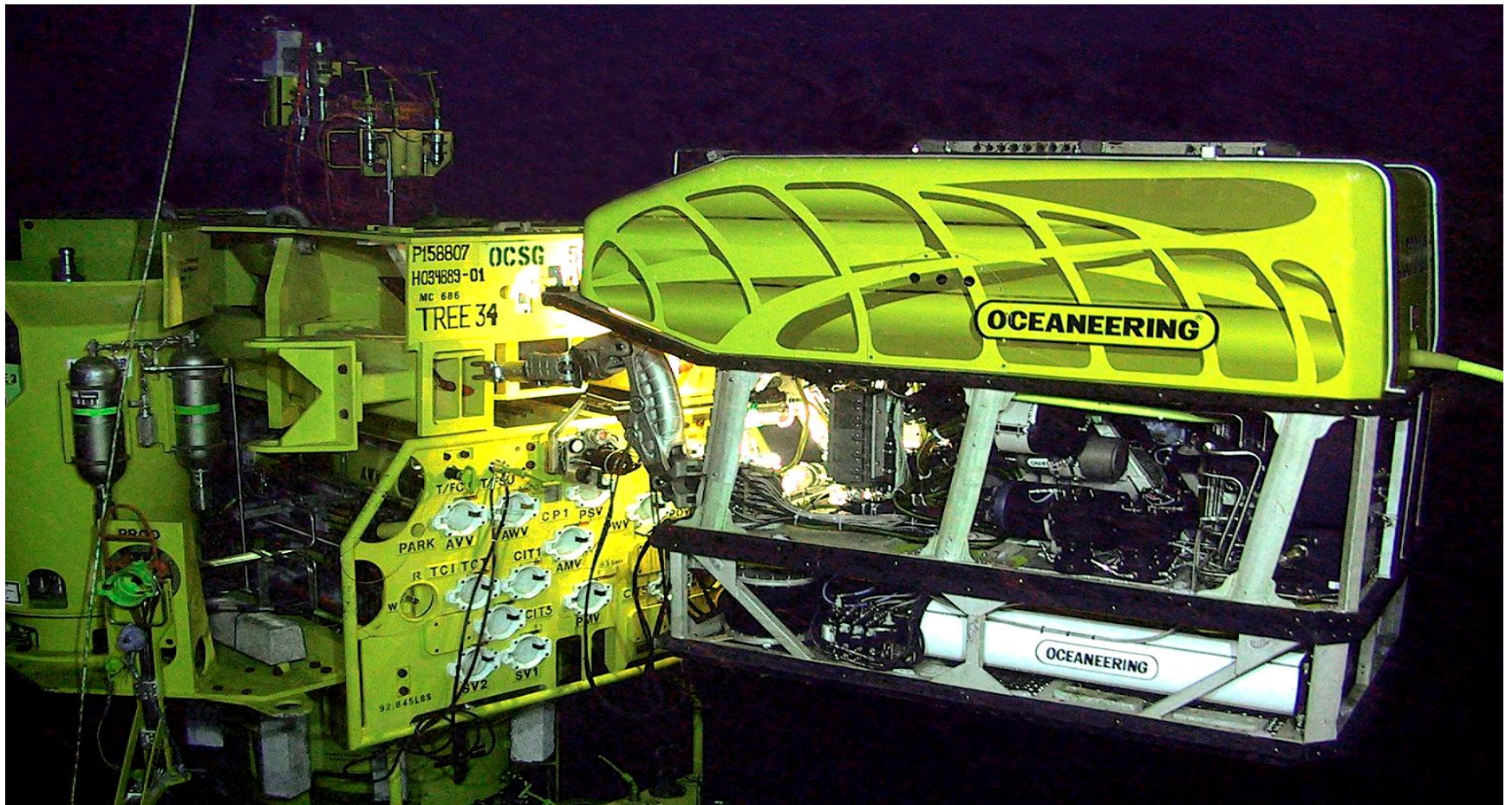


SeaMax ROV
Eyeball
3000 Mtr Rated



Spectrum ROV
Light Workclass
3000 Mtr Rated

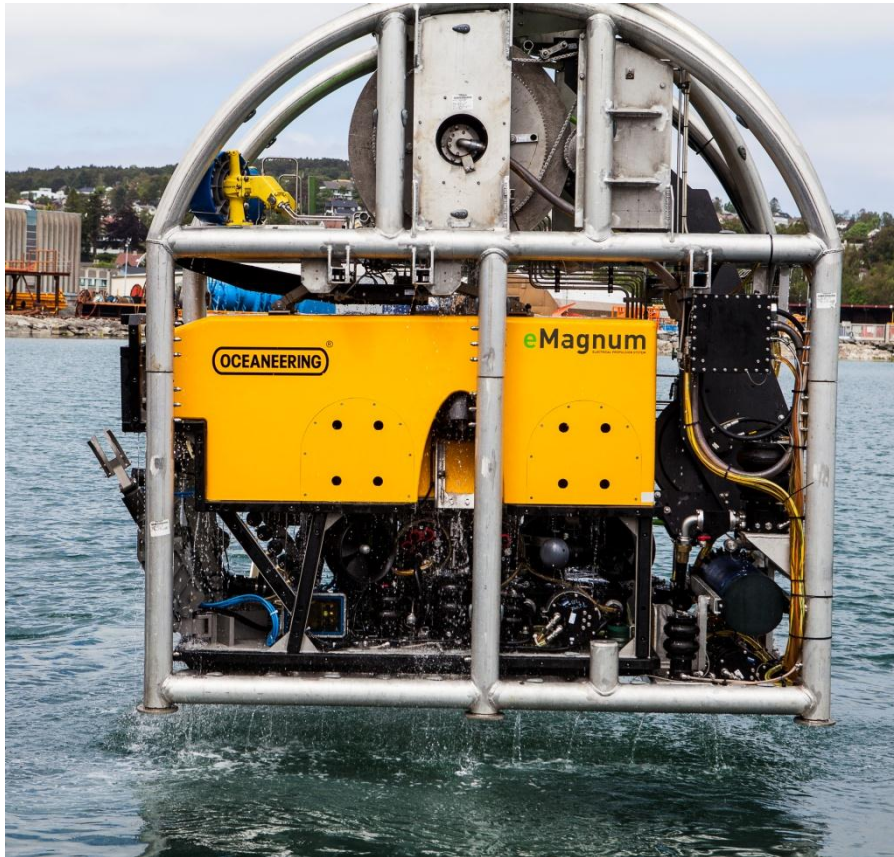
Nåtid



Fortid - TREC på Ekofisk



Nåtid - EMagnum & Minimum



EMagnum & Minimum @ 6,500ft.

Et kontrollrom er veldig viktig offshore...

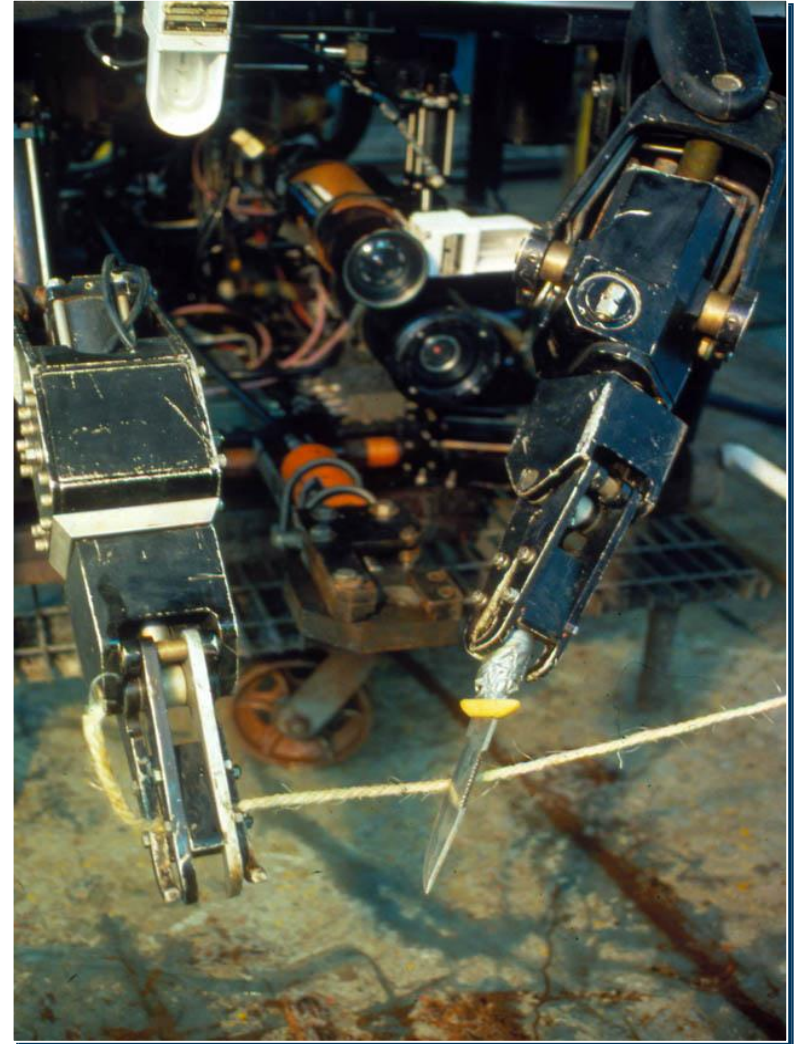
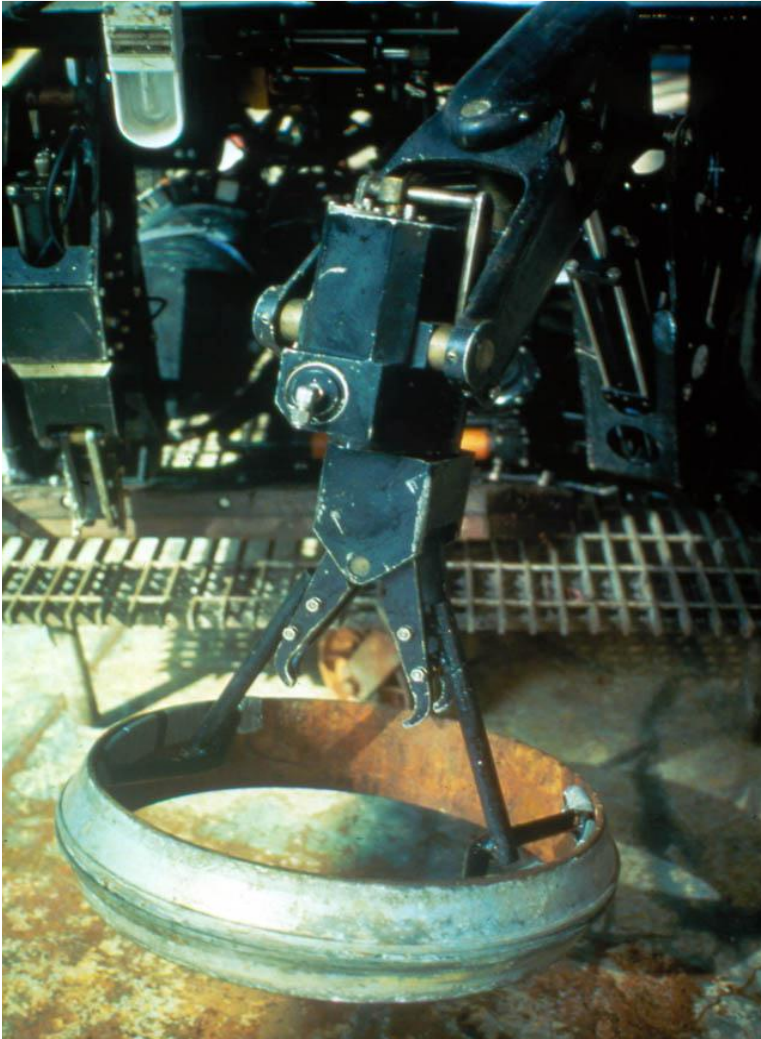


“Hva mener du med at du ikke kan se noe?”





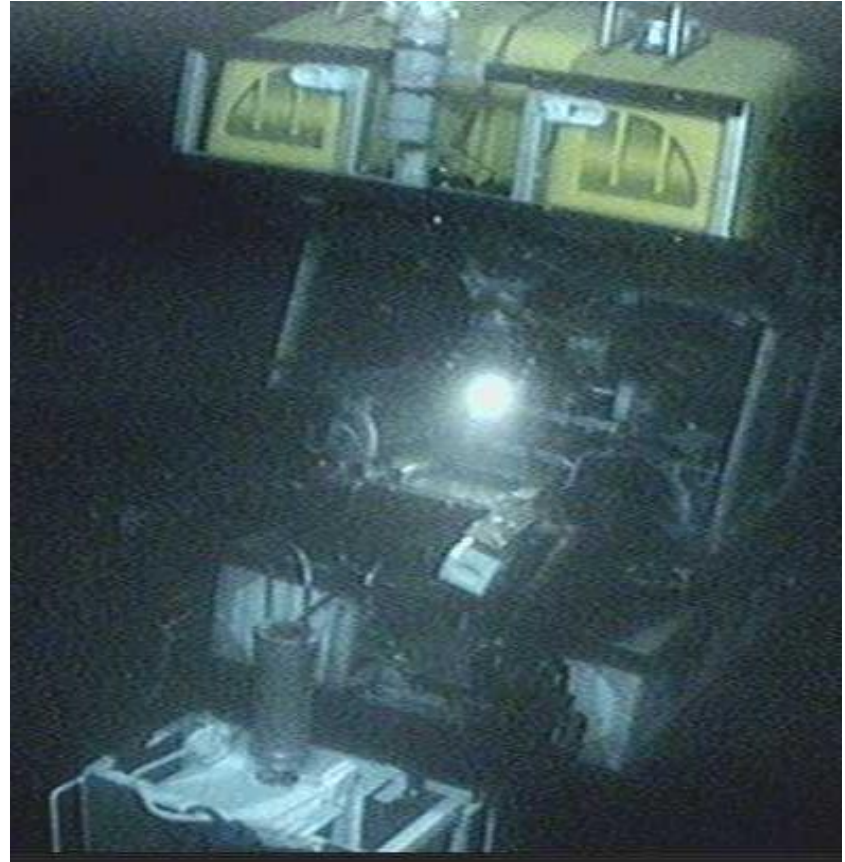
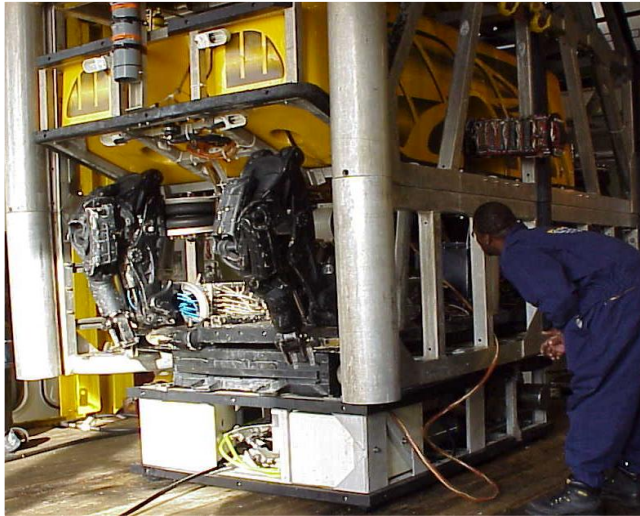
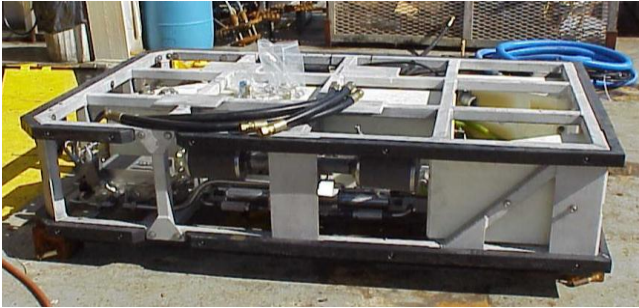
Fortid - ROV Tooling!



Nåtid – et stort utvalg av ROV Tooling



Nåtid - Deepwater Tooling and Work Packages



Fortid - a ROVSV!



Of course we'll give you the primo location!
Nothing but the best!

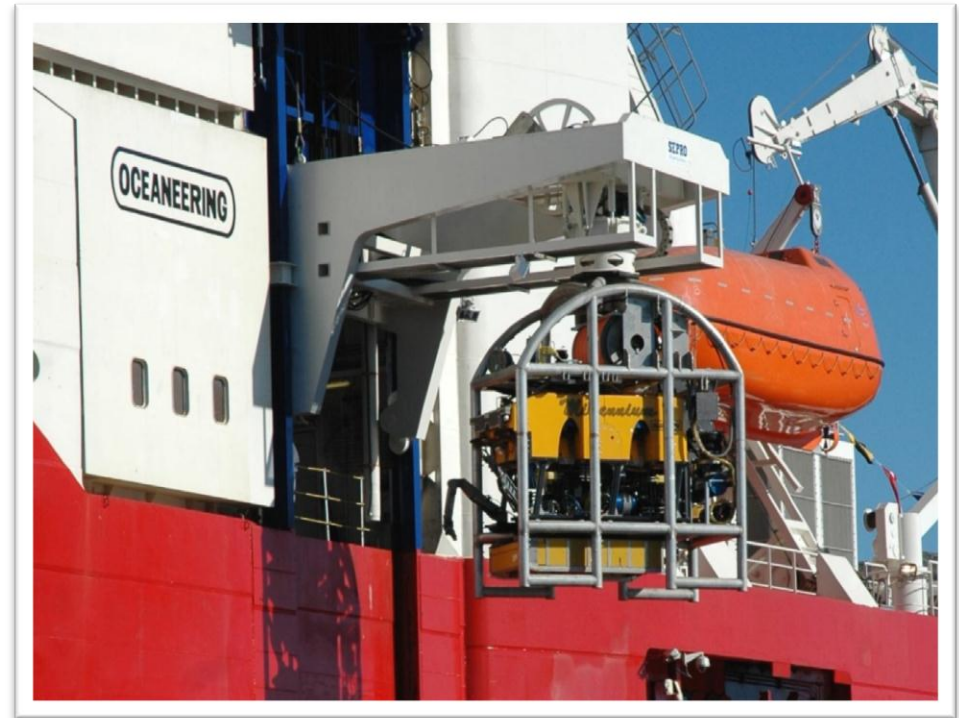


ROV Services – Vessels & Barges



ROV System mobilization

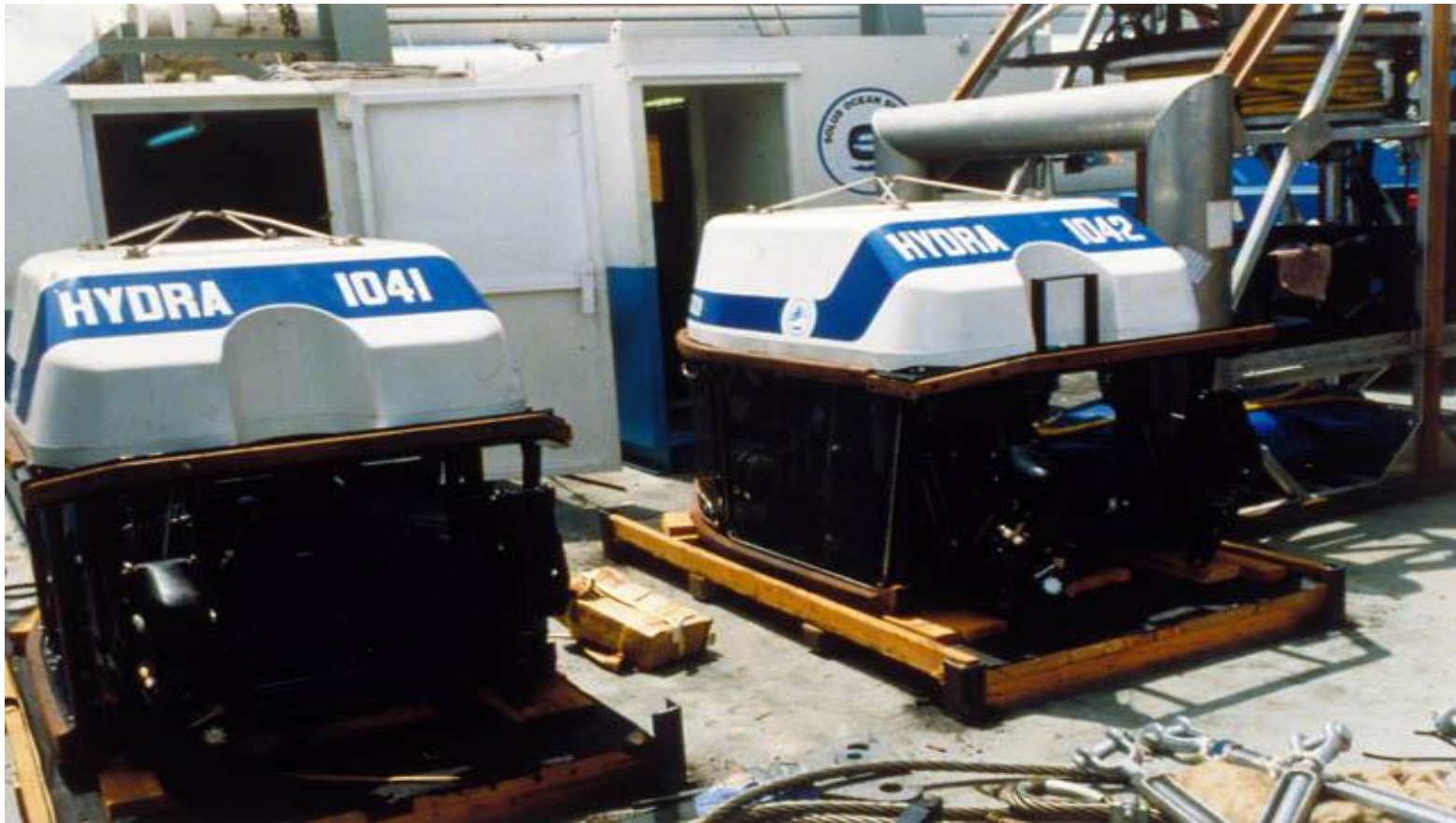
What you get vs what you need



Nåtid - BOA Deep C



Back to the future.....



Dueling Magnums



SAFETY

The critical paradigm



LOTO

Near Hits

Audits

TAPROOT

TRIR

Training

LTA

JSEA

Corporate Action
Committee

And more...



Fortid.....



En slags hjelm eller ?



Fortid – hvor var dette?



Noen tanker om fremtiden

Loop currents? No problem!



Some Technology Needs

- All Electric Subsea Equipment
- ROV/AUV with intervention capabilities
- Intelligent & Self Repairing Control Systems
- Local Subsea Processing

Subsea All Electric

Featuring New Technology

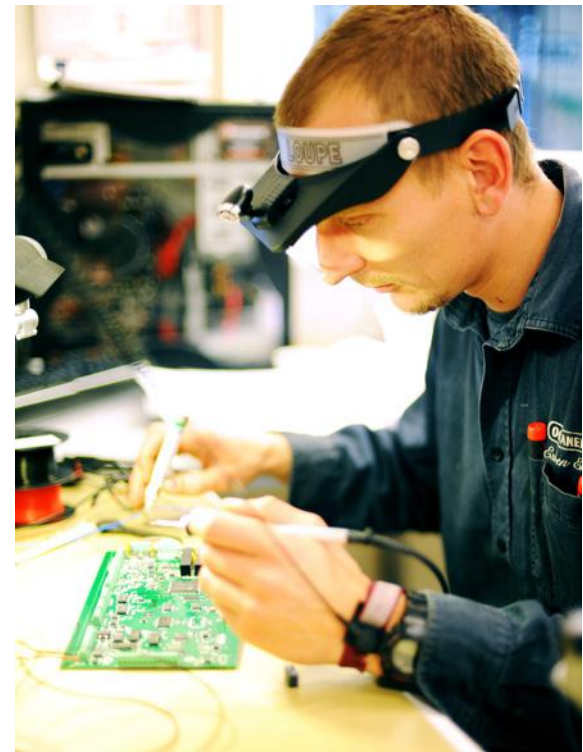
- Electrical Actuators
- Multifunctional Subsea Connectors
- Subsea Power Banks & Control Systems
- Development driven from Norway



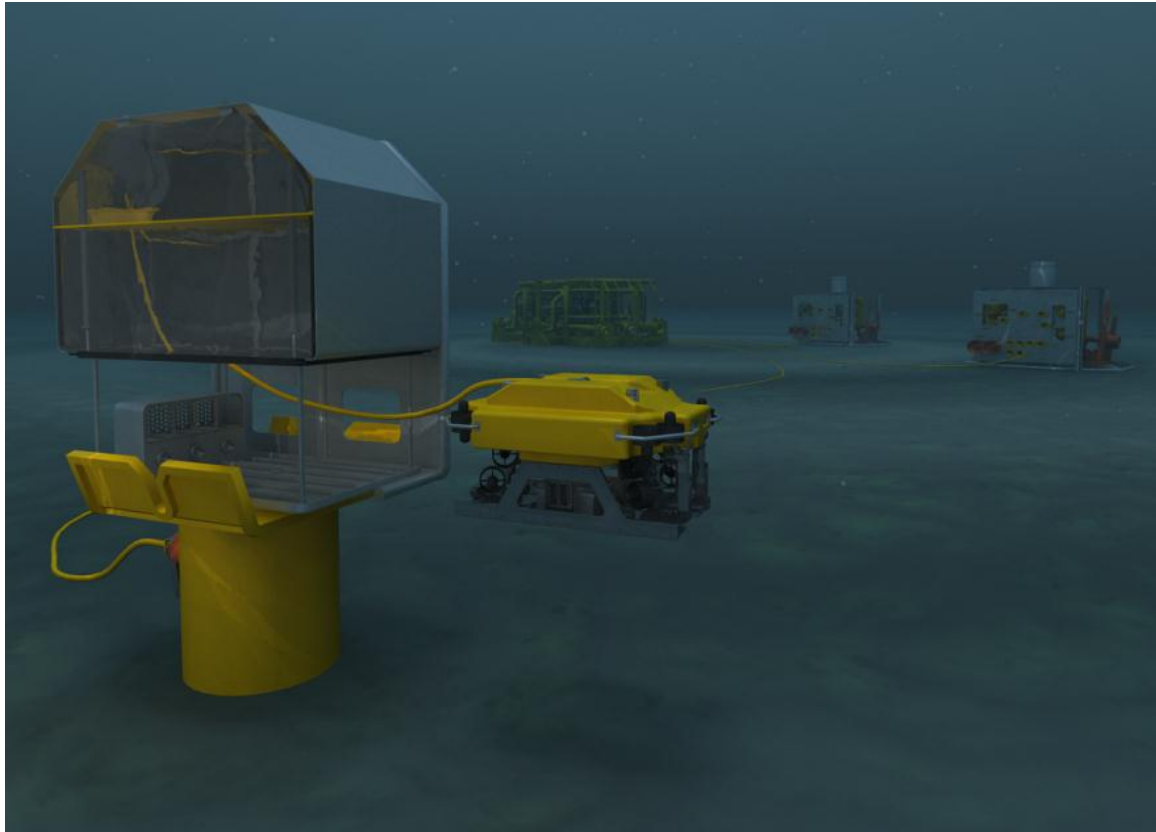
Subsea All Electric

Innovative technology offers major advantages:

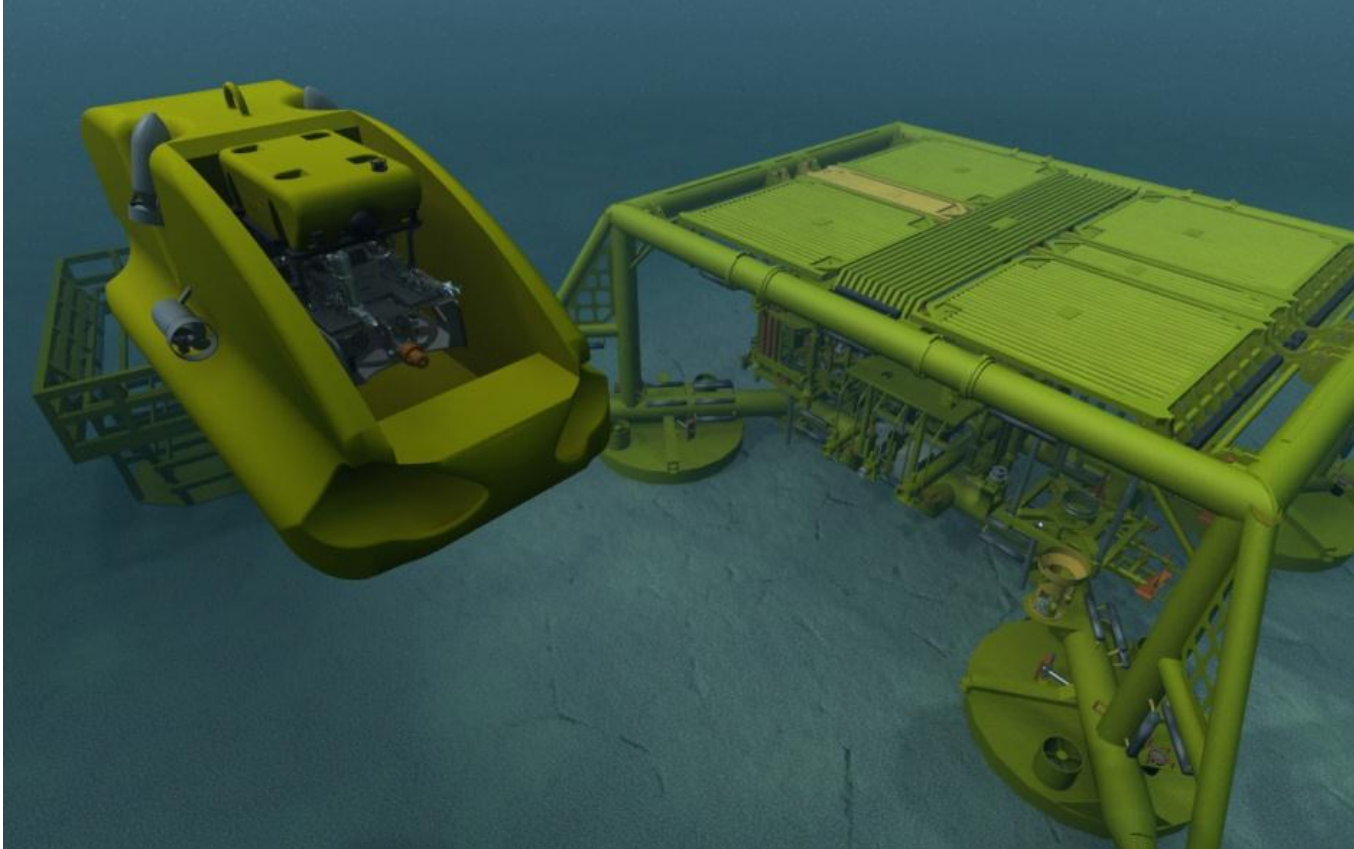
- Increased energy efficiency
- Quicker response time
- Fewer potential failure points
- Easier maintenance
- Easier installation
- Reduced risk of pollution



Resident ROV



Resident ROV



Thank You for Your Attention!

For more information please visit:

www.oceaneering.no

Your *Perfect* team player
OCEANEERING[®]