Fortid, nåtid og fremtidig Subsea Teknologi

Erik H. Sæstad
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
Oceaneering International Inc.

Solving Challenges from Sea to Space

Business Segment Revenue (2011)

- 35% Subsea Products
- 34% ROV
- 12% Subsea Projects
- 11% Asset Integrity
- 8% Advanced Technologies

[Pie chart showing the revenue distribution by business segment for 2011.]
Solving Challenges from Sea to Space

Oilfield / Non Oilfield (2011)

- Oilfield: 89%
- Non Oilfield: 11%
The world of Oceaneering
From sea to space
Oceaneering AS - Norway
Oceaneering in Norway

- Started in 1973
- Approximately NOK 2,5 mrd yearly revenue.
- Approximately 1400 permanent employed personnel
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

Maxximum 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
- Audits
- TRIR
- LTA
- Corporate Action Committee
- Near Hits
- TAPROOT
- Training
- JSEA
- 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
The future is here!
Thank You for Your Attention!

For more information please visit:

www.oceaneering.no