Activity outlook
Bjørn Midttun, Manager Subsea and Pipelines, Statoil Projects
GCE Subsea - Meeting Forum – 2\textsuperscript{nd} November
Prerequisites for the future

SSU & Quality; Climate and low carbon

Continuous improvement

Collaborate
BREAKING THE CREAMING CURVE

Forecasted production from NCS

Creaming curve total NCS

Industry average 1987-2014: 700 Mboe/yr
Industry average 2015 - : 250 Mboe/yr
Early phase way of working and a cultural change
Ensure “High value and a low carbon future”

The challenge – frequent rework, recycling and too many late changes

Success: Right solution 1st time
World class project portfolio and exploration plan

Statoil projects sanctioned in 2016/17
- Osloberg Vestflanken II
- Peregrino II
- Byrding
- Utsjord
- Njord Future & Bauge
- Trestak

Project opportunities
- Johan Sverdrup Future
- Johan Castberg
- Snorre Expansion
- Akerladd
- Troll Future
- Kvala-Aseja

Long term opportunities
- Barents
- Subsea tie-backs
- Bay du Nord
- Brazil
- Tanzania
- Renewable
NCS projects with subsea scope (pre-sanctioned)

- Frigg
- Aokaiadd phase 1
- Snorre Expansion project
- Johan Sverdrup ph2
- Johan Castberg
- Midgard Delta East
- Eirin
- Krafia/Aksja
- Oseberg Future dev phase 2
- Tune Statfjord
- Valemon Nord
- Grand
- Troll Phase 3
- Smarvik Nord
- Bauge (Smilehorn)
- Halten East-South (Miljø S/Flytn)
- Kristin South (phase 1-3)
- Snejd Nord

Tender period

DG2-DG3 period
DG3-DG4 period

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**Askeladd**

- **Phased subsea development**
- 3 wells in first phase (Nord, Sør and Gamma)
- Subsea facilities – 2 templates (Nord and Sør)
- Tie-back to Snøhvit PLEM (42 km distance). Snøhvit PLEM to Melkøya (143 km distance)
- 5 spare slots for future options

**Troll Phase 3**

- **Phased subsea development**
- Max. 50 MSm³/d capacity
- 2 subsea templates, 8 wells
- Gas pipeline to Troll A
- Troll A modifications
Snorre Expansion project – six templates, each with 4 wells, with tie-back to SNA
Johan Sverdrup Phase 2

<table>
<thead>
<tr>
<th>PDO Phase 1</th>
<th>Concept Selection</th>
<th>DG2</th>
<th>Concept selection revisit</th>
<th>DG3/PDO approval</th>
<th>DG4</th>
</tr>
</thead>
</table>

Statoil
Johan Castberg

- 240 km Northwest of Hammerfest
- 2017: Investment Decision and PDO
- 2022: First oil
Knowing Statoil’s best: Perfect Project benchmarks

- **LCoE wind**: EUR/MWh
- **Topside (greenfield)**: NOK/kg, kNOK/boepd, eng mhrs/tonne
- **Topside brownfield**: NOK/kg
- **FPSO total**: kNOK/boepd
- **Jacket**: NOK/kg
- **Subsea**: 350 MNOK/well
- **Well**: MNOK/well
- **Export pipeline**: 250 kNOK/(km•inch)
- **Brownfield schedule**: xx-xx months FEED, xx-xx months execution
- **Greenfield schedule**: xx months FEED, xx-xx months execution
- **Overall business case, Corporate Targets**:
  - Break Even < xx USD/boe
  - CO2 < 8 kg/boe
  - SIF actual < 0.16
  - Production Efficiency**: >92%

**Production Efficiency**: >92%
How to become a supplier

Supplier Portal – www.statoil.com
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Project Development, TPD PRD

www.statoil.com