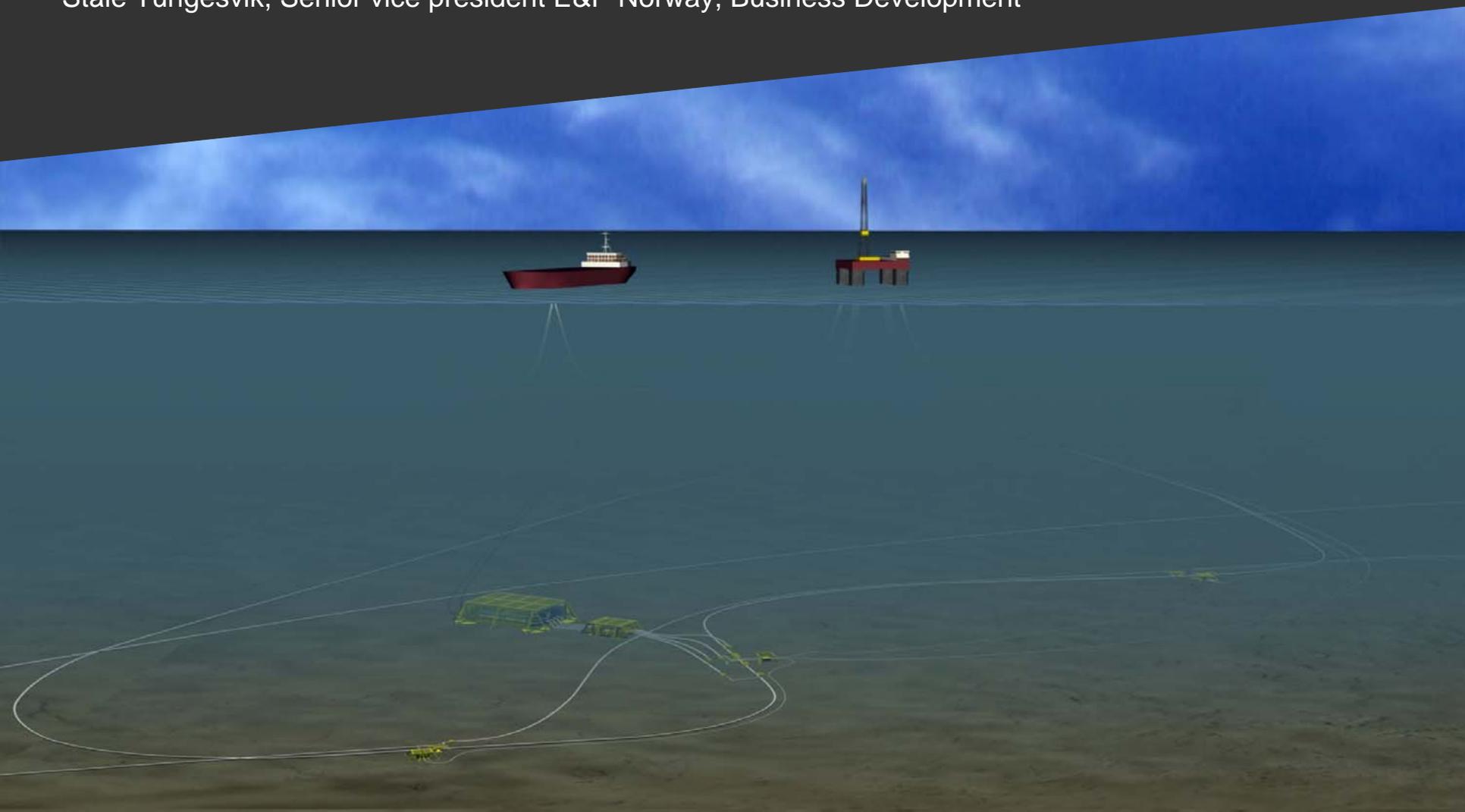


# Åsgard subsea compression

Margareth Øvrum, Executive vice president Technology & New Energy

Ståle Tungesvik, Senior vice president E&P Norway, Business Development



# World-class track record



Long distance multiphase transport

**1980**  
Start OLGA development

**1986**  
Start Poseidon multiphase pump development

**1987**  
**Gullfaks**  
First subsea short oil wellstream transfer

**1996**  
**Gullfaks**  
First multiphase pumps (topsides, part of Framo commercialisation)

**1991**  
**TOGI**  
Medium range gas condensate wellstream transfer

**1997**  
**Lufeng**  
Subsea pumps

**1995**  
**Statfjord sat**  
Medium range oil wellstream transfer

**2000**  
**Troll**  
Subsea water removal and injection

**1996**  
**Troll**  
Long range subsea to shore gas condensate transfer

**2003**  
**Norne**  
Technology program  
Subsea separation concept developments

**1999**  
**Åsgard**  
Complex subsea development; advanced flowline concepts

**2005**  
**Troll**  
Pipe separator  
Qualifications  
Subsea water removal

**2003**  
**Mikkel**  
Long range subsea to subsea

**2007**  
**Tordis**  
Subsea water removal & injection, oil & gas boosting

**2007**  
**Ormen Lange / Snøhvit**  
Long range subsea to shore in deep / in "arctic"

**2009**  
**Tyrihans**  
Subsea raw seawater injection (operation 2011)

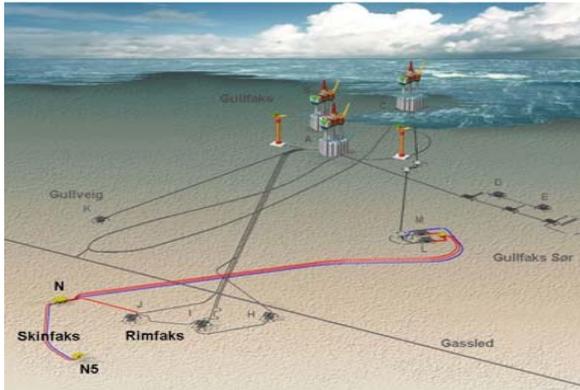
Subsea processing



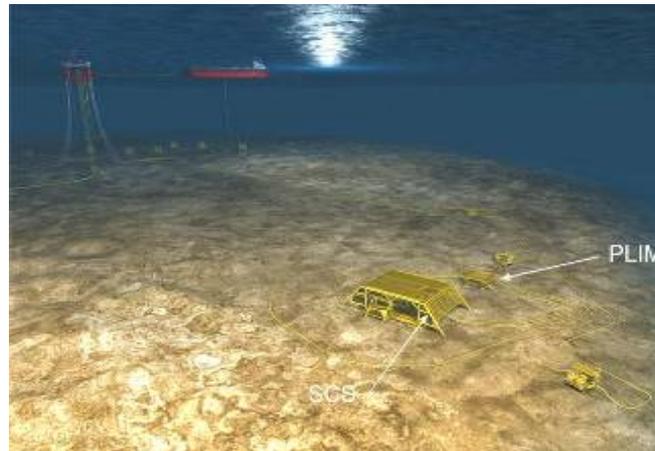
# Subsea compression

Positioning to meet future challenges

Gullfaks 2030

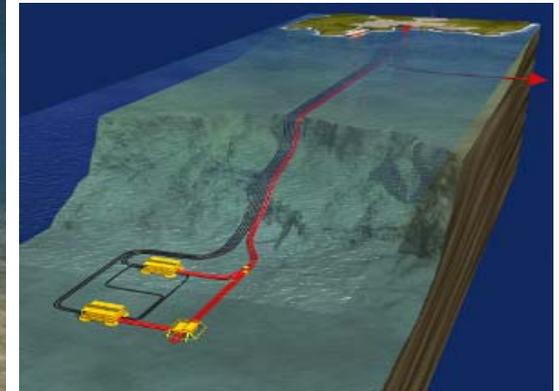


Åsgard

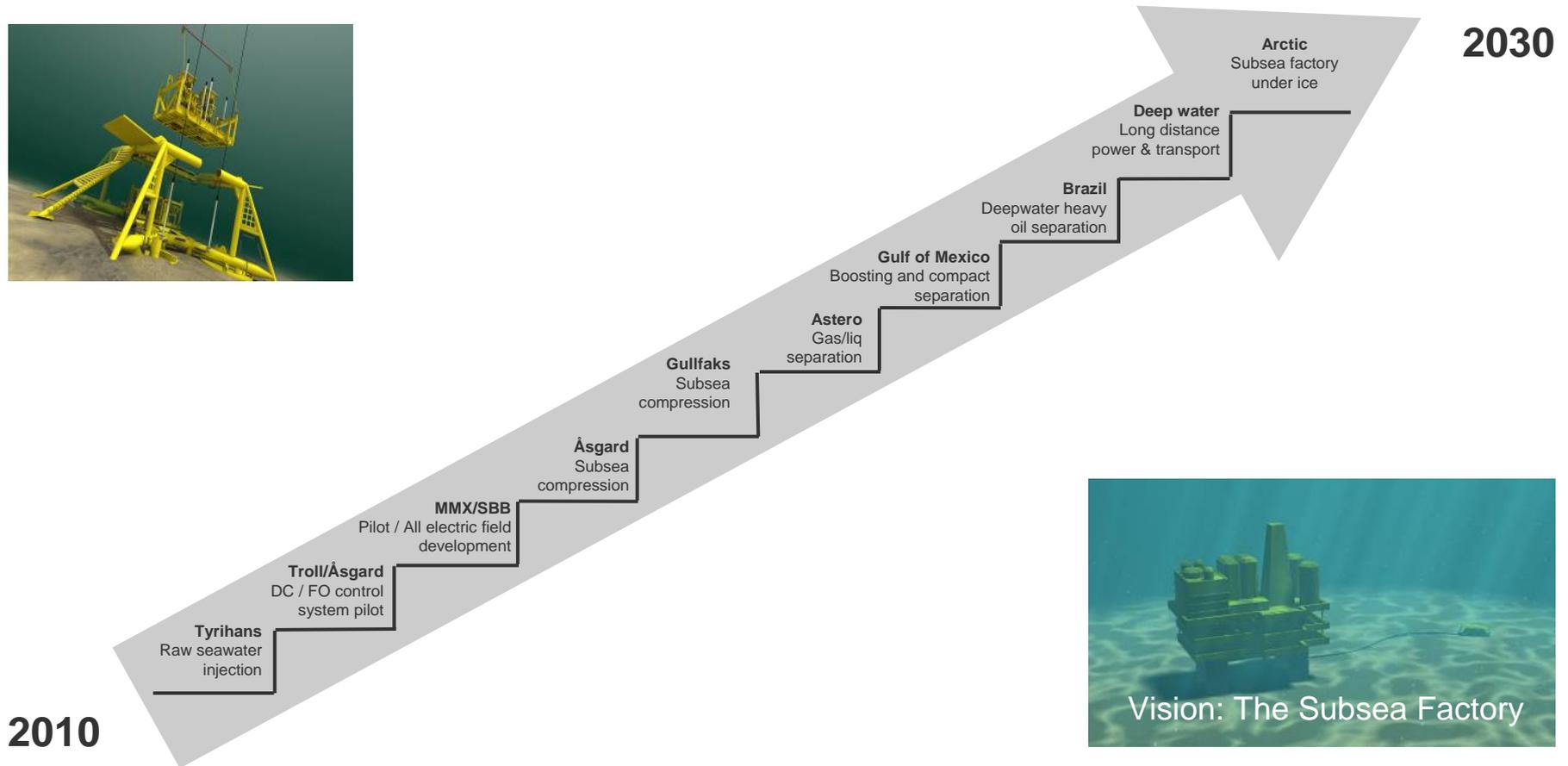


Ormen Lange

Operated by Shell

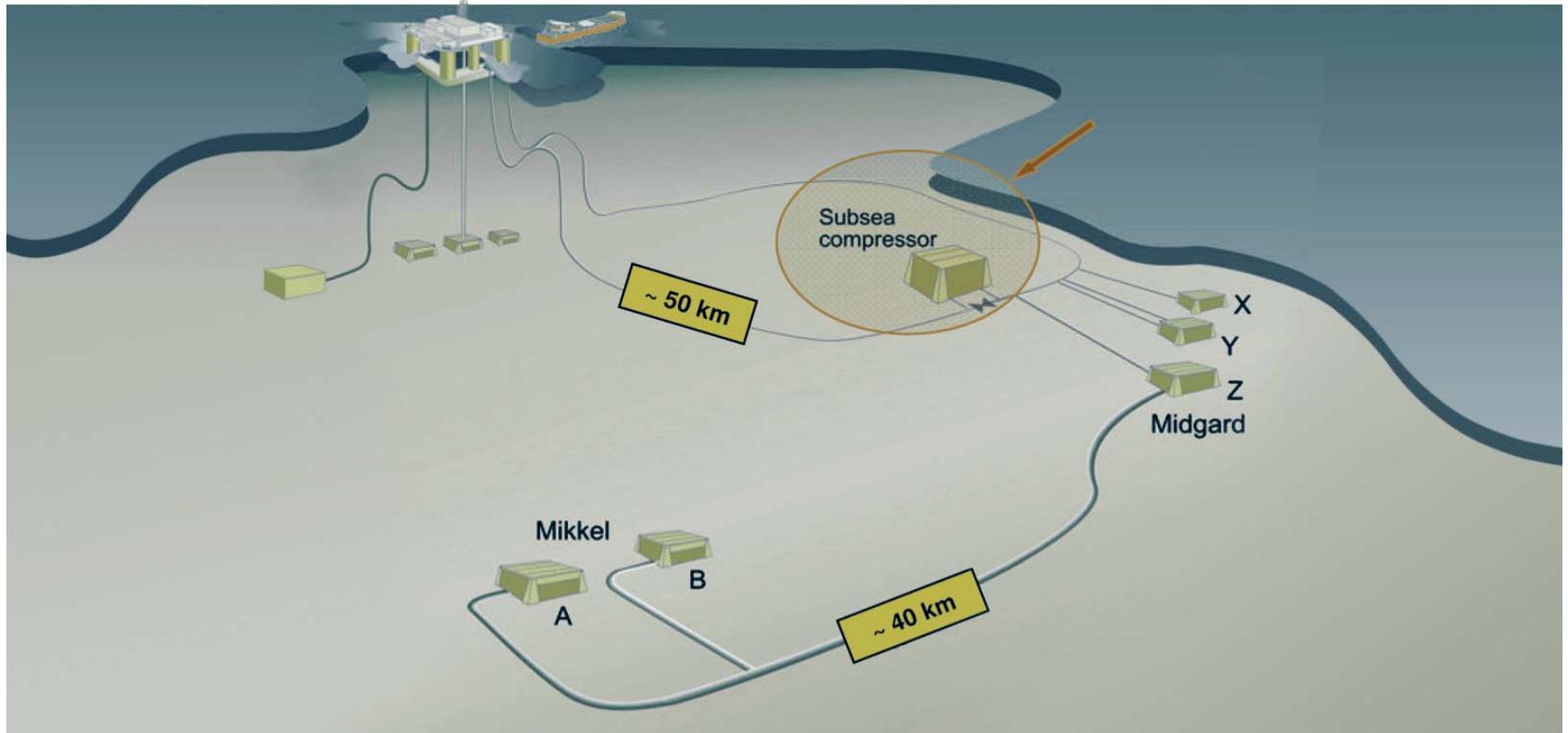


# Subsea technology is an enabler for growth



# Åsgard subsea compression

- we keep up production from Midgard and Mikkel



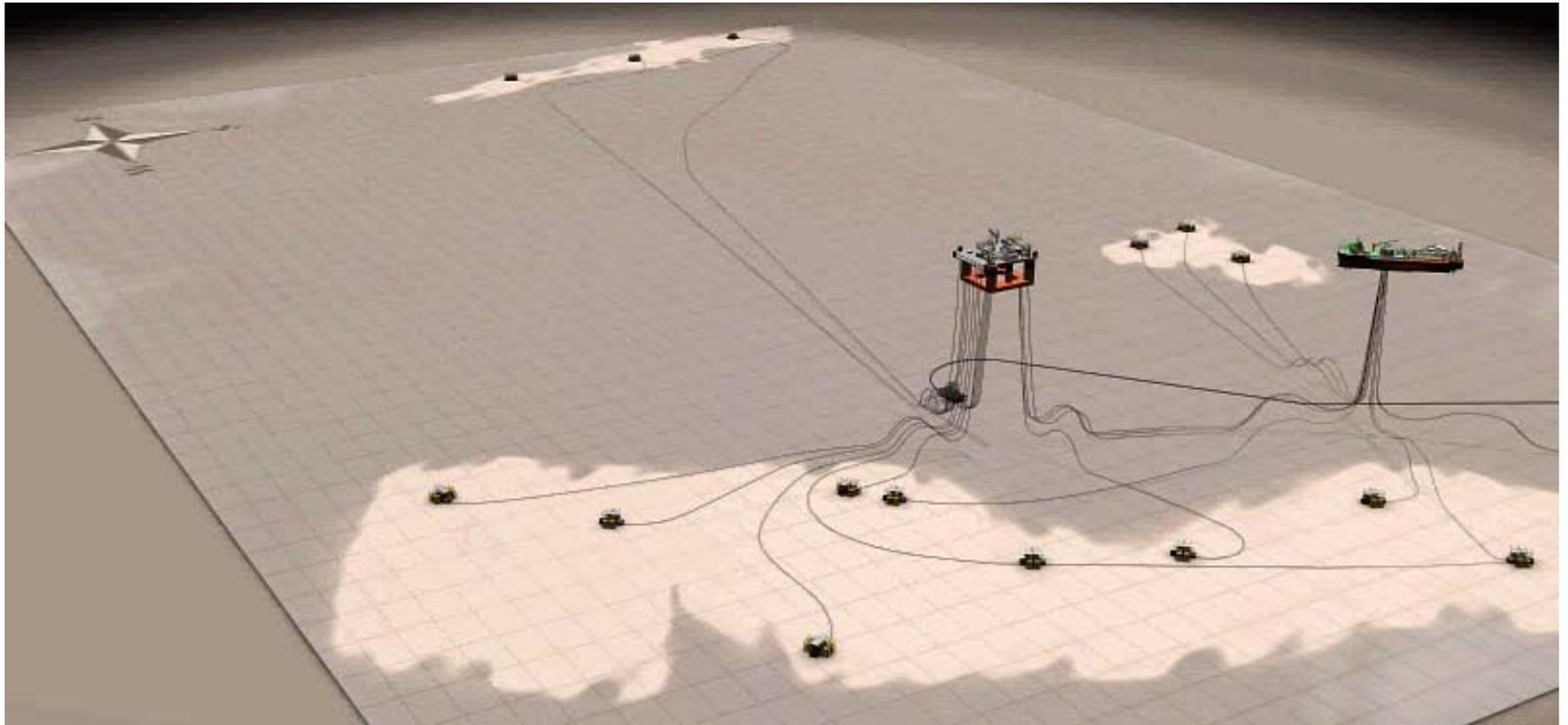
# Delivering volumes

28 billion cubic metres of gas and 14 million barrels of condensate

equals 220 million barrels of oil equivalents



# Åsgard as the hub at Haltenbanken



# Thank you

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[www.statoil.com](http://www.statoil.com)

