Natural gas from Norway – current status and future development
Høvik, 05.12.2017. CEO Frode Leversund
The evolution of the Norwegian gas transport system
The evolution of the Norwegian gas transport system:

1977

Source: Norwegian Petroleum Museum
The evolution of the Norwegian gas transport system:

1985
The evolution of the Norwegian gas transport system:

1993
The evolution of the Norwegian gas transport system:

1995-96
The evolution of the Norwegian gas transport system:

1997-98
The evolution of the Norwegian gas transport system:

1999
The evolution of the Norwegian gas transport system:

2000-01
The evolution of the Norwegian gas transport system:

2006
The evolution of the Norwegian gas transport system:

2007
The Norwegian gas transport system:

2017
Technology development has been paramount for value creation on the NCS

- 1971 – Ekofisk
- 1979 – Statfjord A
- 1985 – Statpipe
- 1996 – Troll A
- 2007 – Ormen Lange
- 2009 – Snøhvit
- 2018 – Aasta Hansteen
WATER HEATING: Hot water has many applications and can be produced in many ways. Millions of people, like these German swimmers, can thank Norwegian natural gas for keeping water at a pleasant temperature. (Photo: Karlheinz Krämer)
Norwegian gas is produced mainly by renewables
Unique, flexible and cost-efficient gas infrastructure

![Graph showing sales gas (MSm^3/d) over contract years from 1980 to 2015. The graph illustrates an increasing trend with peaks in 2003 and 2010.]
New record for Norwegian gas exports from Norway in 2016

Great Britain 32.6 mrd sm³

Germany 44.94 mrd sm³

France 16.60 mrd sm³

Belgium 14.42 mrd sm³
Growth in global gas demand

Figure 8.3 - Gas demand in selected regions in the New Policies Scenario

- United States
- Middle East
- China
- Russia
- European Union
- Other developing Asia*
- Latin America
- Africa
- India

Growth in global gas demand is concentrated in developing countries

*Other developing economies in Asia.

Source: IEA
2/3 of Norway's estimated gas resources has not been produced yet
Considerable gas resources in total
Subsea flow control, metering and monitoring for future tie-ins and crossovers

Battery powered subsea gas control – TRL4

Ultrasonic subsea gas flow meter – TRL4 in 2018

Subsea gas quality monitor – TRL4 in 202X, X < 5

The “dry version” of these subsea solutions can also be a cost efficient option for unmanned platform concepts
GASSCO

SECURING

ENERGY

PARIS