

Importance of Technology for Value Creation in the Petroleum Sector

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Long term global challenge.....



100 million new barrels needed by 2030 (150 mill. by 2050)

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....and large potential and possibilities on the NCS



Technology pays off





Technology has contributed to:

- Higher oil and gas production
- Enhanced recovery
- Reduced costs
- Increased income from activities

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Long Term Future in the Arctic







.....supported by different possibilities



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Industry Commitment Needed

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...with the Petromaks program



- Focus on long term and short term research critical for the maximum value creation of the resources on the NCS
- More than 100 projects with a total portfolio > 1,2 billion NOKs
- Generates approx. 2 times the public investment in private efforts

... and the Demo 2000 programme

- Generates 3 times investments from contractors and oil companies
- Portfolio > 100 Projects representing a value of 1200 mill. NOKs
- 20 pilots already implemented on field sites (Clients: Statoil, Hydro, Shell, Total, ENI, PDVSA, Petrobras, CNR)



A strong Government Commitment to Research...

Main Priorities:

- Increase the Public Expenditure to 3 % of GNP
- Strengthen national capabilities within areas with:
 - a high value creation potential
 - comparative advantages
- Environment and Basic science



The Soria Moria Declaration

.... and stronger basic knowledge in science, mathematics and physics



Stronger recruitment to regional research activities

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A global leader



OG 21 Global Technology

Revised Strategy, 2005

Technology Target Areas (TTA)

Environmental technologies

Exploration and reservoir characterization

Enhanced Recovery

Cost Efficient Drilling and Intervention

Integrated Operations and Real Time Reservoir Management

Subsea Processing and Transport

Deep Water Technology

Gas Technologies

OG 21 TTA Plan, 2006



Goal: internationally attractive competence hub



Internet address





