Arctic and Cold Climate Solutions

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Subsea Market Outlook Seminar - Arctic and Northern Regions

Thor Christian Andvik
Prosjektdirektør Arctic and Cold Climate Solutions
• Merger of INTSOK and INTPOW
• Independent non-profit foundation
• 250 partners/members

Founders

Government
• Ministry of Petroleum and Energy
• Ministry of Trade and Fisheries
• Ministry of Foreign Affairs

Trade organisations:
• Energy Norway
• Federation of Norwegian Industries
• Norwegian Oil and Gas Association
• Norwegian Shipowners’ Association
• The Norwegian Confederation of Trade Unions

Industry
• Statoil
• Statkraft

Contribution to value creation and employment in Norway
We work with the energy industry

- Oil & gas upstream
- Wind energy
- Solar energy
- Oil & gas midstream
- Hydropower
- Energy system
Arctic and Cold Climate Solutions

A project to strengthen Norwegian Arctic offshore and petroleum related technology and competence

- A joint national industry project
Project goal

To facilitate Norwegian petroleum industry, delivering world class technology/solutions for arctic and cold climate capital development projects.
Project content and scope

8 Open Dialogue/Network meetings sofar (159 participants):
- Hammerfest
- Ålesund
- Oslo
- Stavanger
- Tromsø
- Trondheim
- Kristiansand
- Bodø

Prepare overview of Norwegian arctic and cold climate technology and solutions

Part 1
What do we have?
Norwegian arctic and cold climate technology and solutions

Part 2
What's needed and where?
Which markets?
Which projects?
Which tasks?
in arctic/cold climate regions/markets

Part 3
Project aim
Commercialisation of Norwegian arctic and cold climate technology, solutions and best practice

Meetings with task owners
Client meetings/Conferences/Workshops
Preparation for project development

Publish reports per market/project:
- Norway
- Russia
- USA (Alaska)
- Canada
- Greenland
- Kazakhstan

Rystad Energy engaged.

Multiconsult and Netpower engaged.
Project topics

1. Design and construction of FPO/FPSO and offshore platforms
2. Onshore plants, facilities and terminals
3. Asset Integrity Management
4. Drilling operations and well control
5. Environmental protection, monitoring systems and oil spill response
6. Subsea facilities and pipelines
7. Offshore Installation and Maritime Operations
8. Property and personnel protection and maritime training
9. Weather forecasting, surveillance and communication
Arctic and Cold Climate Solutions
What’s it all about?....

The project is not about research and technology development,

*It’s about:*

market opportunities and business development!

Specifically, the project will link solutions and technology provided by the industry directly towards specific challenges individual capital development projects have, so that the industry can

win contracts and commercialise its technology!

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*Fully financed project by authorities and industry (18 mill), on schedule and budget (2016 – 2018). Results are freely available to the petroleum industry*
PROMOTING NORWEGIAN ENERGY CAPABILITIES IN INTERNATIONAL MARKETS

Thor Christian Andvik, Prosjektdirektør
thor.christian.andvik@norwep.com
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norwep.com