



OLJE- OG ENERGIDEPARTEMENTET

Ministry of Petroleum and Energy

Creating a Competitive Norwegian Oil and Gas Cluster

Einar Steensnæs
Minister of Petroleum and Energy

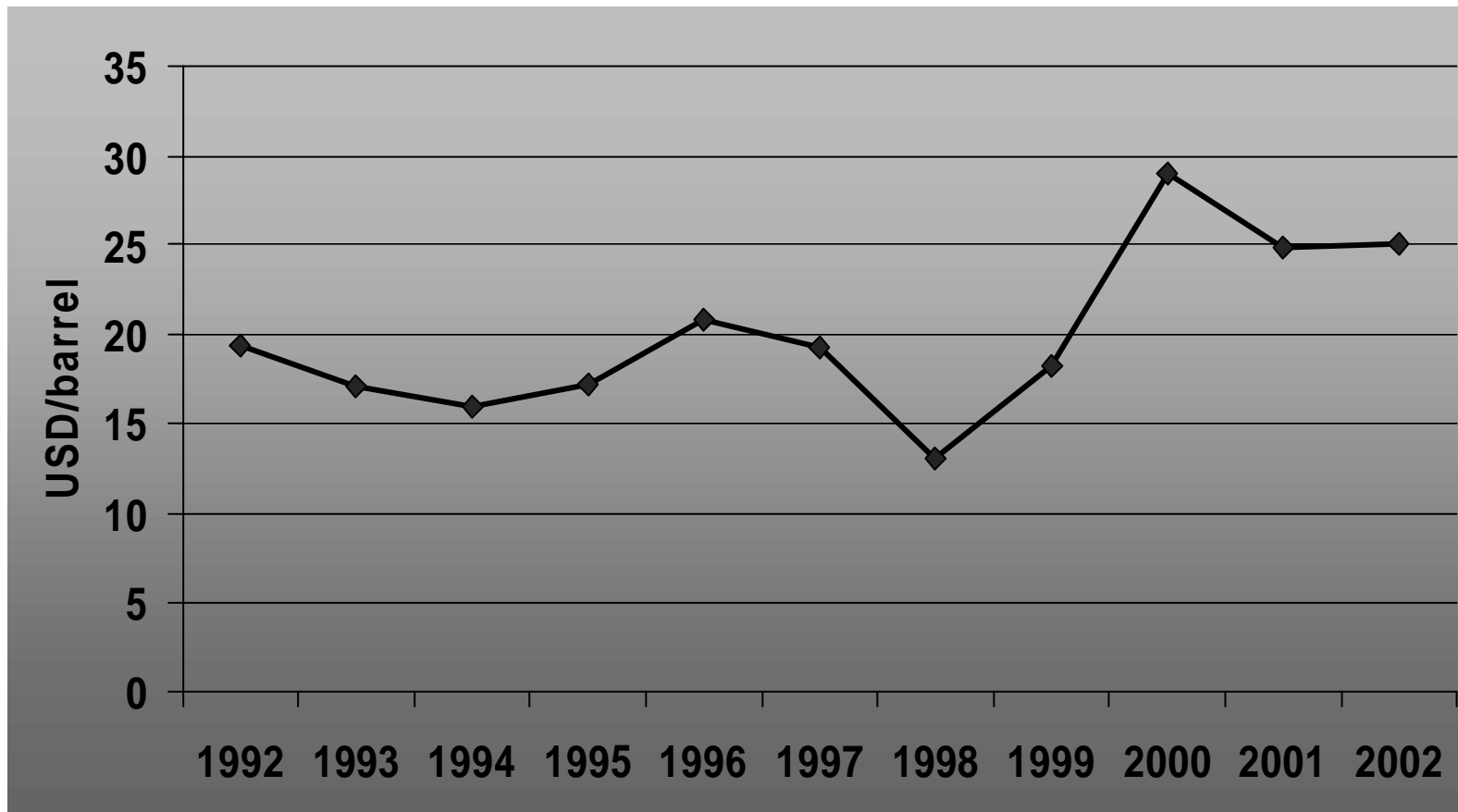
Sanderstølen 07/02/03



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Crude oil price (Brent), 1992 - 2002

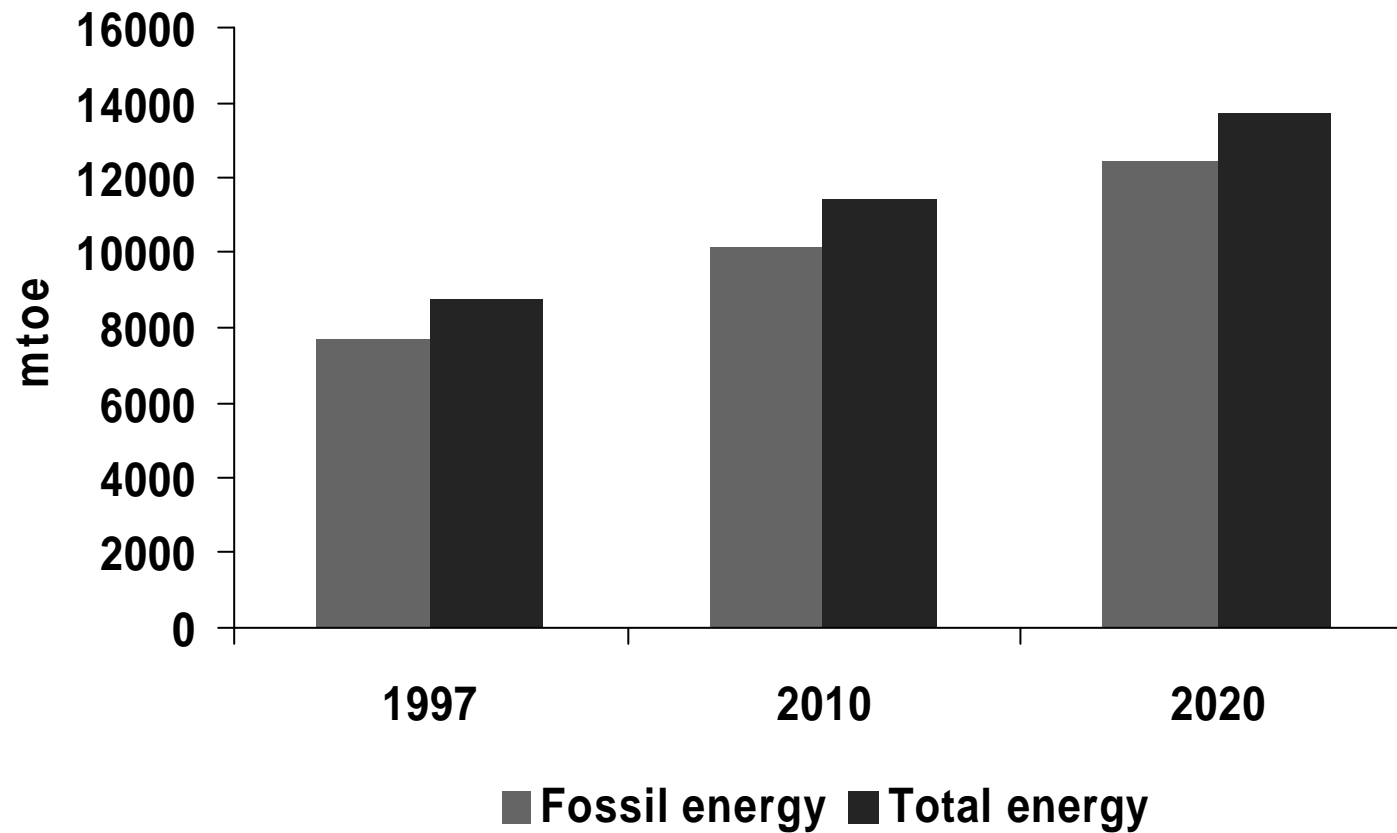




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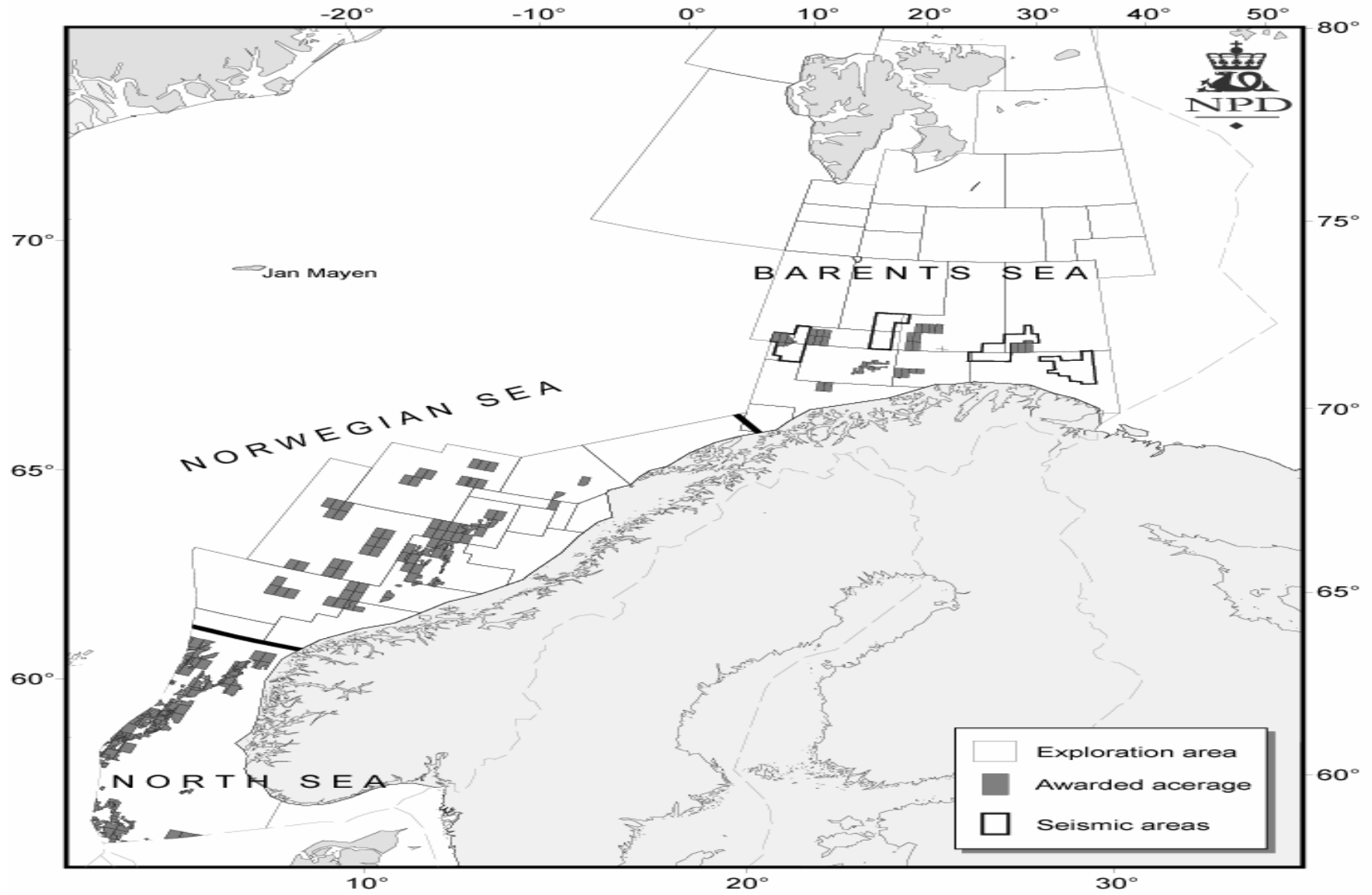
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Global energy demand

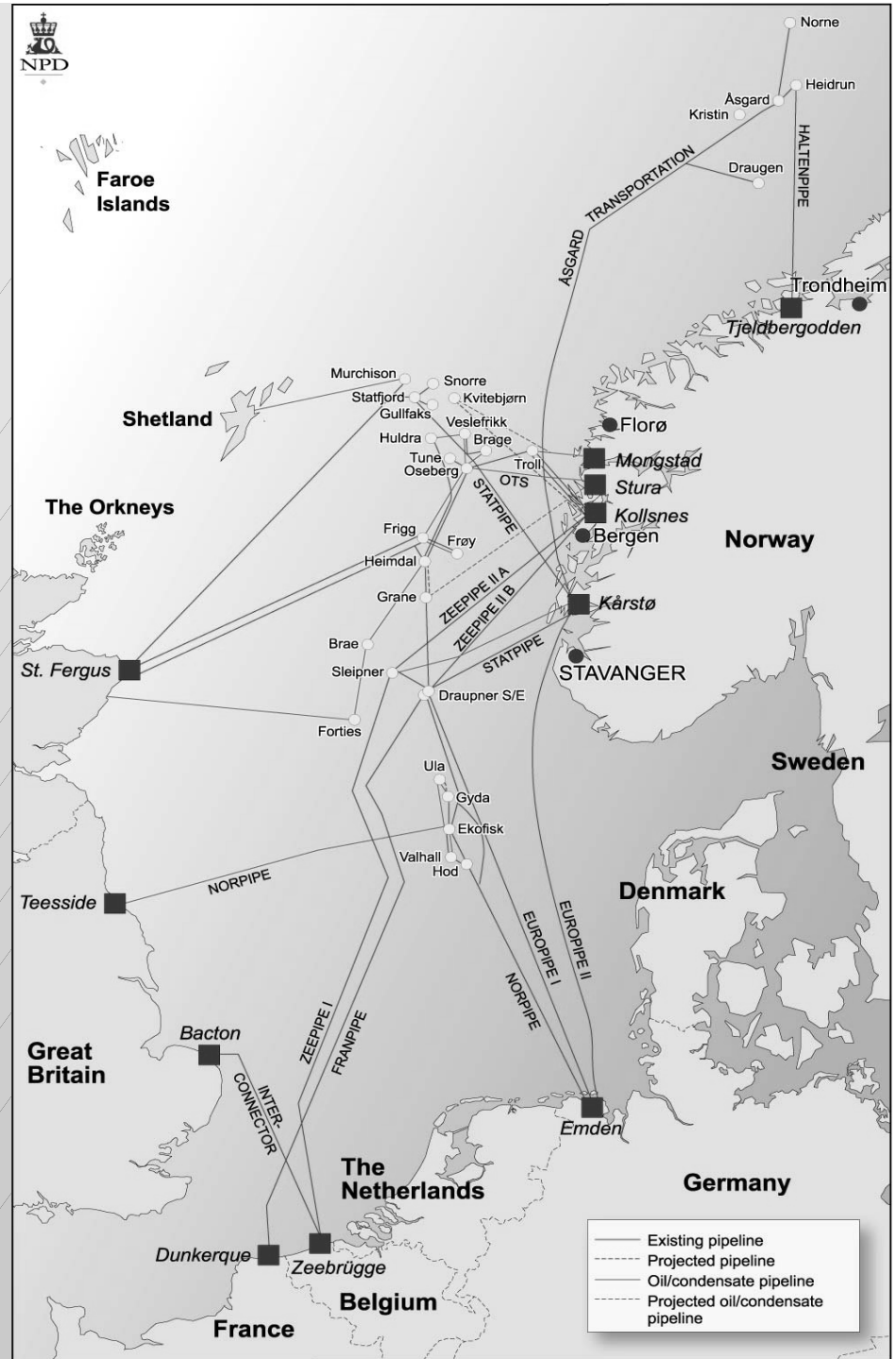


Source: IEA

NORWEGIAN CONTINENTAL SHELF



Efficient production and transportation of gas



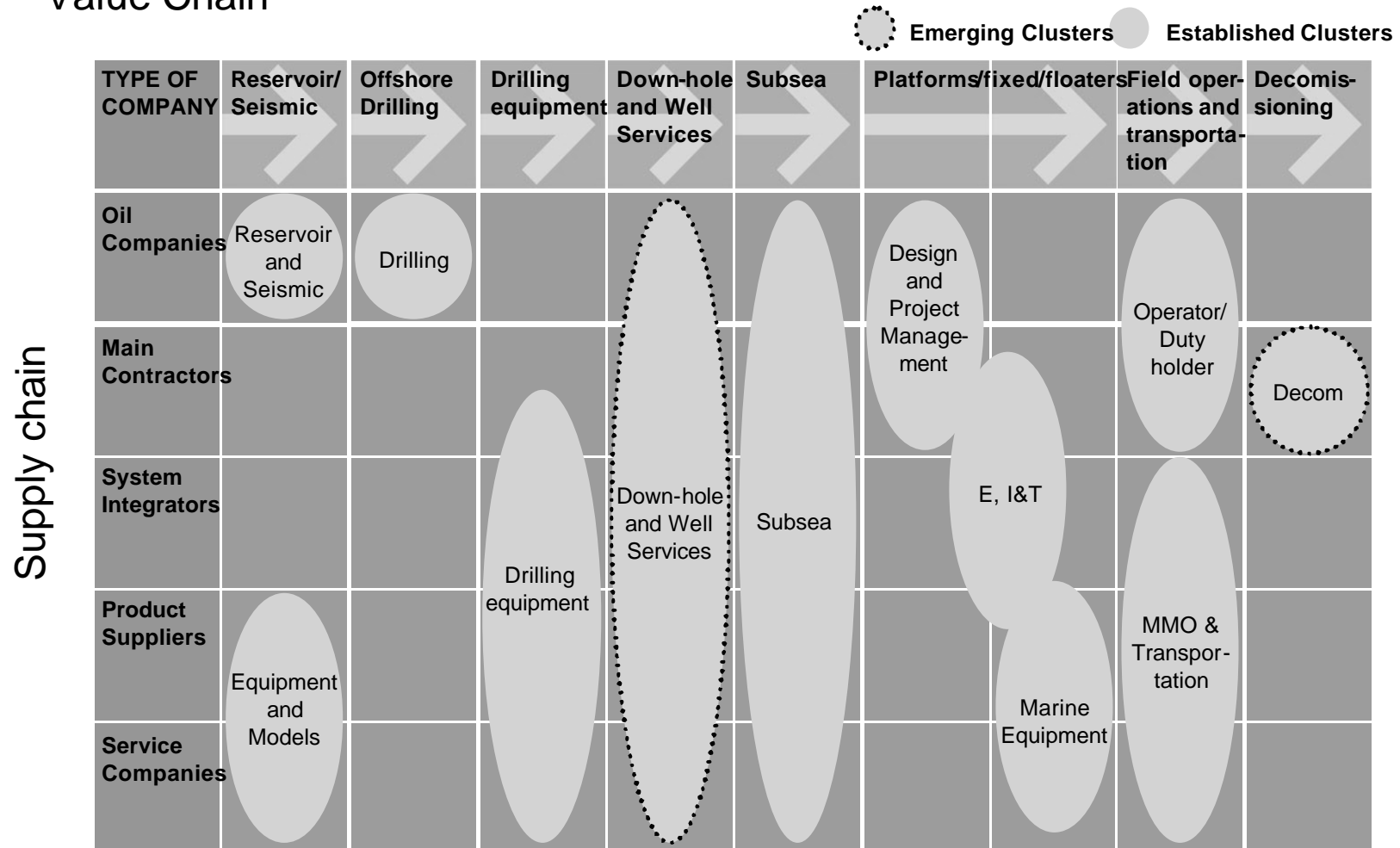


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Norwegian Oil & Gas "World-Class" Clusters

Value Chain



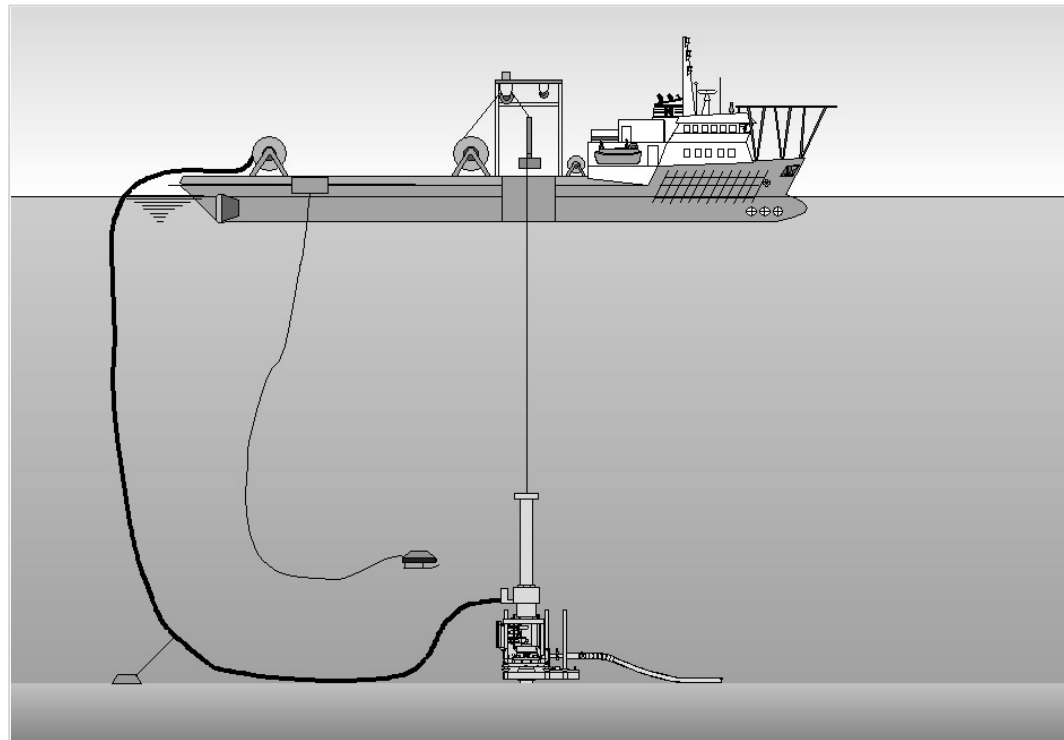
Source: Intsok



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Light Well Intervention



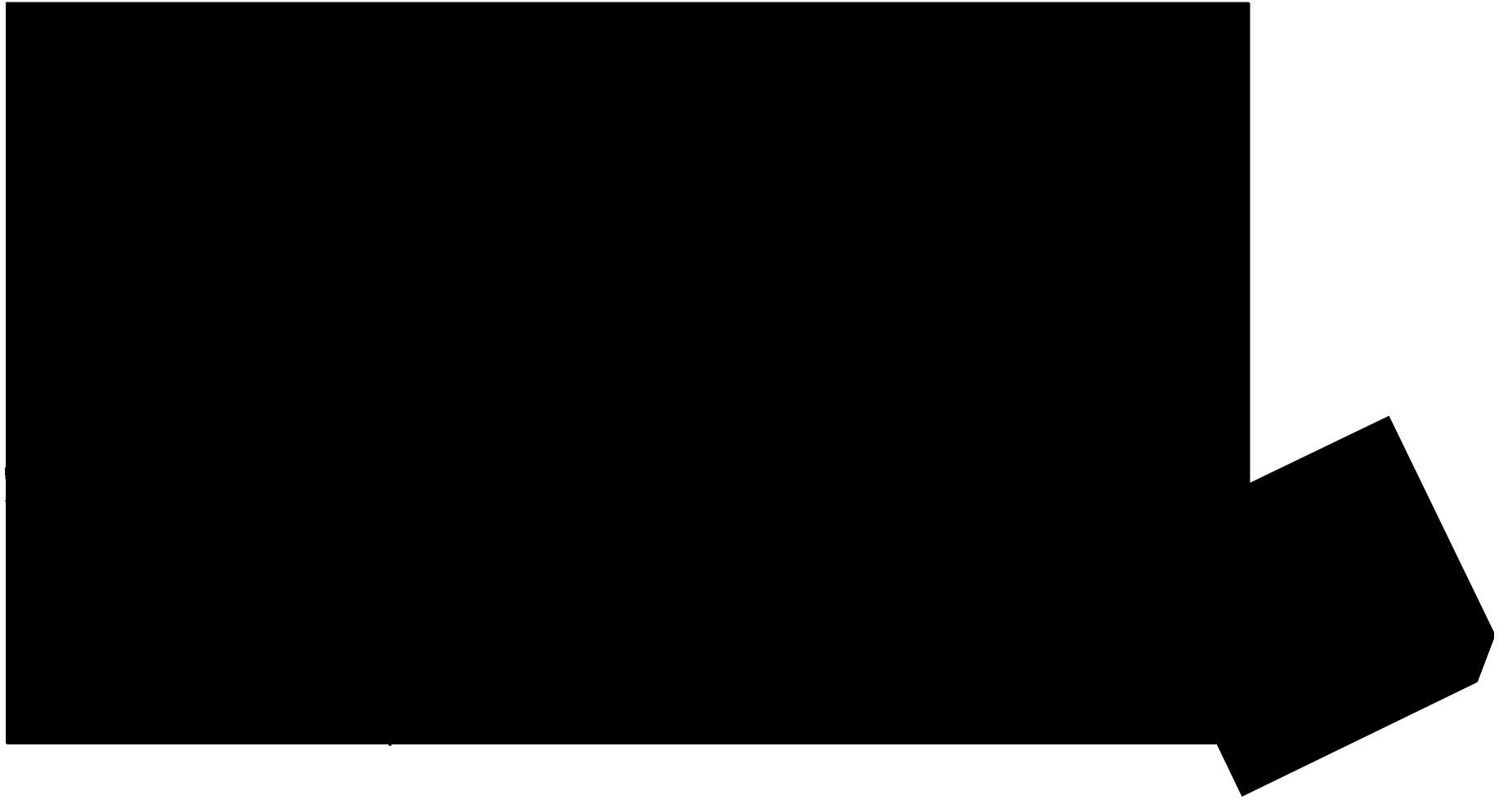
**Subsea Wells –
Increased oil recovery potential**



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Troll - Thin Oil Zones





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Deeper Water - Floaters



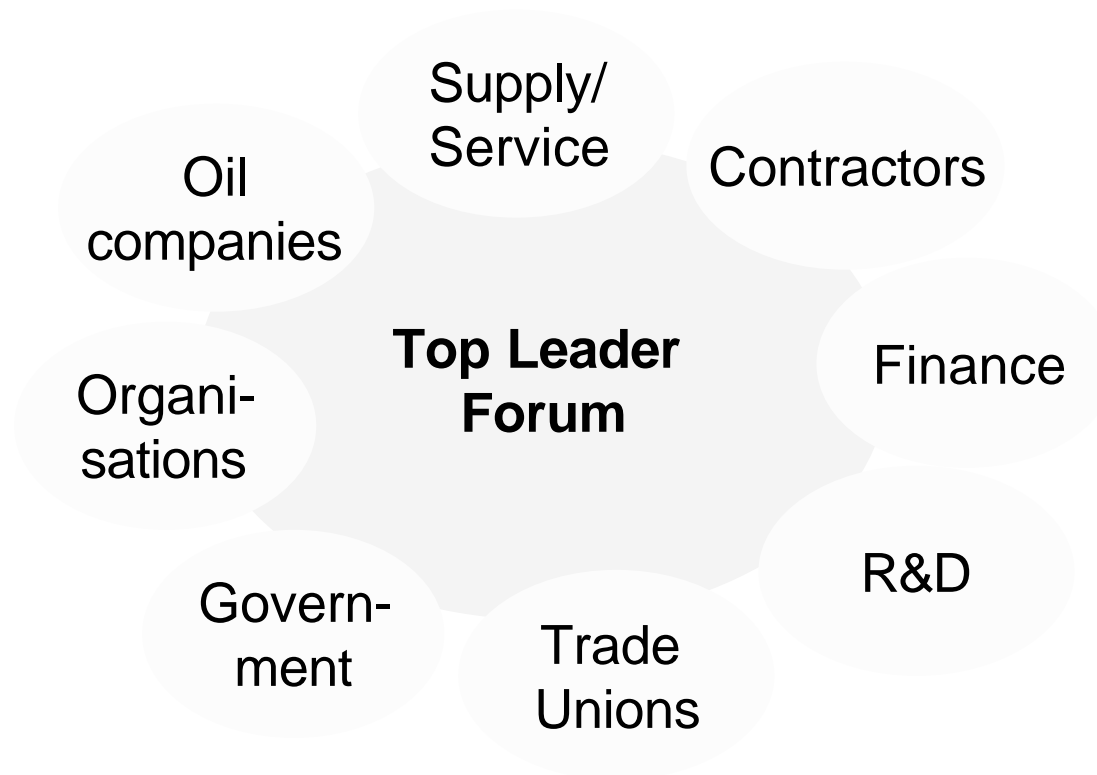


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KON-KRAFT

Unlocking Value Through New Relationships



Co-operation and unity as well as competition!



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OG21 - National Technology Strategy

5 Focus Areas

- **Deep Water**
- **Environment**
- **Increased Recovery**
- **Small Fields**
- **Gas Value Chain**

Vision

- **World class competence**
- **A leading global industry**
- **The most innovative offshore province in the world**



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OG21 Lead Parties

- | | |
|--|------------------------|
| 1. Zero harmful discharge to sea | CONOCO/PHILLIPS |
| 2. 30% red. emissions to the atmosphere | SHELL |
| 3. Stimulated recovery | STATOIL |
| 4. Cost effective recovery | EXXON/MOBIL |
| 5. Real time reservoir management | BP |
| 6. Deep water floating technology | NORSK HYDRO |
| 7. Long range transport of well stream | STATOIL |
| 8. Seabed and downhole processing | TOTALFINAELF |
| 9. Competitive gas production and offtake | SHELL |



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An International Industry - One Market

