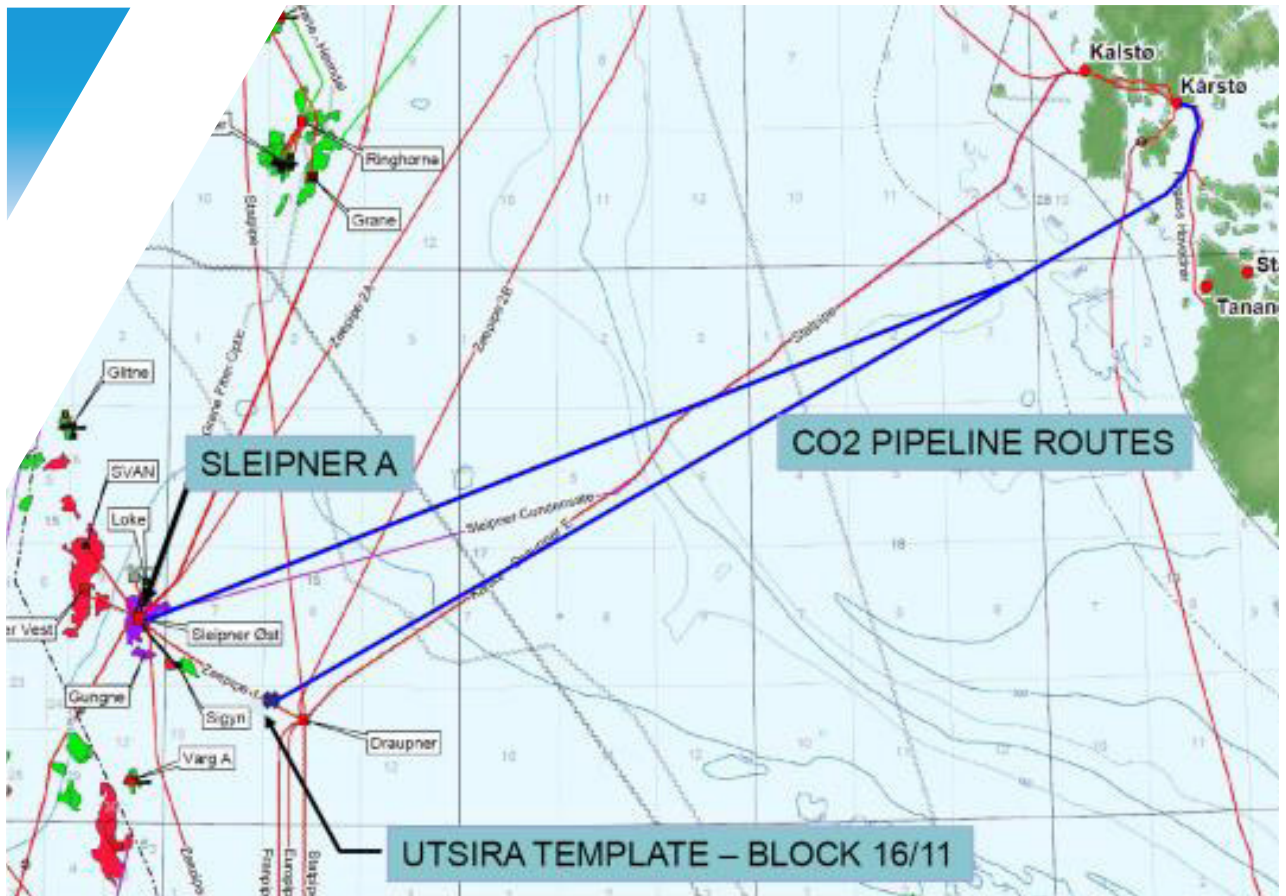




03_OIL AND GAS

CO₂ Transport Network

Pre-Engineering



Pipeline overview | Photo: Gassco

The Ministry of Petroleum and Energy (OED) has requested Gassnova, Norwegian Petroleum Directorate (NPD) and Gassco in co-operation to perform Pre-Engineering studies for transportation and disposal of captured CO₂ from the Power Plant at Kårstø. IKM Ocean Design with Multiconsult as subconsultant for landfall and onshore pipelines incl. templates. The final report was finished January 2010.

As a part of the transportation network, IKM Ocean Design and Multiconsult developed a concept update report for Mongstad terminals. The concept study included landfall studies of borehole and trench solutions and several onshore approaches studies as well as onshore routing of pipelines.

The final report for Mongstad was delivered spring 2010.

PROJECT

CO₂ Transport Network, export from Kårstø and Mongstad

PROJECT TYPE

Pre Engineering

LOCATOIN

Mongstad and Kårstø

CLIENT

Gassco/IKM Ocean Design

TIME PERIOD

2009 - 2010

SCOPE OF WORK

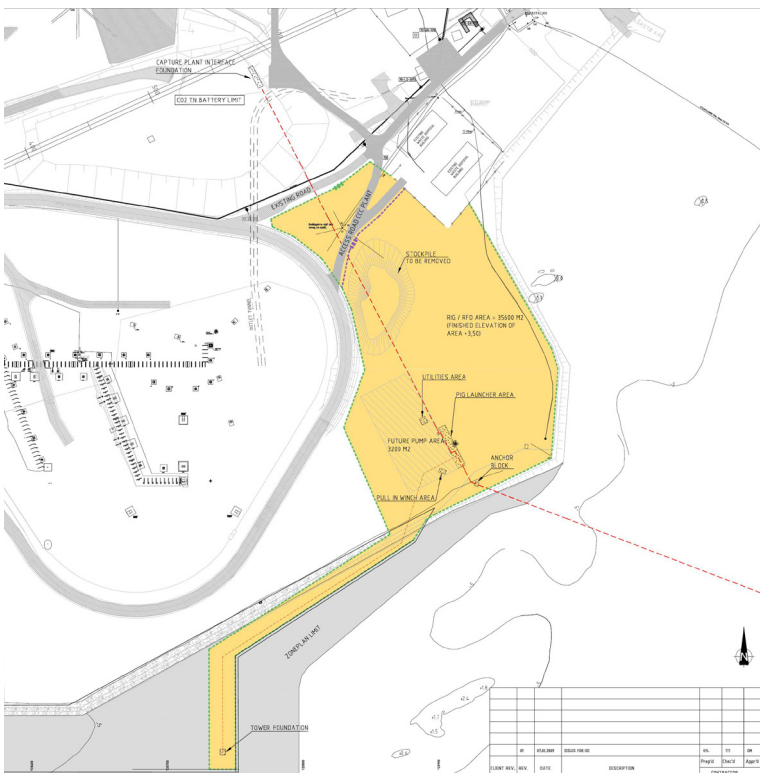
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OUR SERVICES

- Civil Engineering services due onshore approach such as bore-hole design, trenches, landfill and area preparations. Roads, bridges, temporary quays, foundation of pipelines and ventilation tower
- Routing of onshore pipelines with layout drawings and alignment sheets and crossings
- Template drawings with pipe-supports
- Pull-in foundations

DISCIPLINES

- Pipeline Engineering
- Landscape planning
- Concrete Design
- Roads and area planning
- Control systems (Mongstad)
- Geotechnical
- Geology Engineering
- Harbor Engineering



Landfall Mongstad | Ill.: Multiconsult



Top: Pipeline pull-in | Photo: Multiconsult
Bottom: Pipeline | Photo: Multiconsult

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