

# Offshore

## Design and documentation of Protection covers for pipelines valves for Åsgard

Client: KOP/NEMO

- Structural design of GRP cover
- Material selection
- FE-analysis of GRP parts and interfaces
- Analysis of lifting and installation
- Design report
- Sketches and basis for production drawings
- Production procedures and laminate lay-up details
- Testing and documentation



*Two 8m GRP covers landed over steel frames attached to the pipeline at the lay barge.*