Design and documentation of riser support Tray at Åsgaard

Client: UMOE Anchor Contracting AS

Project management for the EPC contract (FiReCo/NOM)

- Geometrical design
- Structural design of GRP tray
- Material selection
- FE-analysis of GRP parts and interfaces
- Design reports
- Design drawings
- Production drawings
- Production procedures
- Testing and documentation

Trays designed by FiReCo to support risers from sub sea wellheads to surface
3D FE-Model of RSS for Gas Export buoy

Deformation plot from FE analysis

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3D,FE- Model of RSS for Midgaard buoy

Deformation plot from FE analysis
Non-linear response - load – deformation of points on the structure (from geometric non-linear analysis)