

Structural design of 6, 8 and 9 meter high Barovanes

Three types of 6, 8 and 9 meter high wing-shaped deflectors in GRP to be towed from a vessel, acting as “paravanes” for the geotechnical equipment towed by the ship has been developed and tested.

Client: Baro Mekaniske Verksted AS

- Interaction between steel and GRP deflector parts
- Material selection and manufacturing detail consultancy
- Laminate lay-up details and basis for design drawings
- Testing of prototypes
- Linear and non-linear FE-analysis
- Design report



The Barovanes are to be towed from vessels with seismic equipment (Illustration from Baro Mek Verksted brochures)



Strain gauges measurement from bending test – early prototype of bonded joint composite foil / steel flange