

## References

- Project:** Preliminary Survey for Support Structure of 5 MW Offshore Wind Energy Facility
- Period:** 2001
- Contract Volume:** 15,000 €
- Construction Cost:** hier nicht ausgewiesen
- Client:** Bilfinger + Berger BauAG, Niederlassung Nord, Hamburg
- Short Description:** Preliminary investigation of a structure variant (Jacket) for a 5 MW Offshore wind energy facility (N.O.K.5 Repower Systems AG) for the site at Windpark Schleswig-Holsteinische Nordsee at Helgoland with water depth of approx. 20 m (Plan area of Winkra)
- Collation of basic data: Ground conditions, tidal fluctuations, current, wind and swell data
  - Construction of Windmill supports designed to give way in case of collision with ships
  - Definition of the Air Gap
  - Determination of hydrodynamic loading
  - Preliminary structural analysis of the structure
  - Engineering drawings of the structure
  - Details of installation and dismantling procedures
  - Estimates for the cost of construction, installation and dismantling of the structure.

