

## References

- Project:** FINO 1 Research Platform North of Borkum Riff  
Offshore Soil Investigations
- Period:** October 2001
- Client:** Germanischer Lloyd WindEnergie GmbH on behalf of the Federal Ministry for Economy (BMWi)
- Short Description:** Offshore site soil analysis of soil at Borkum Riff Site:
- Planning, tendering and contract award for soil investigations
  - Assistance and supervision of offshore operations with jack-up working platform (under sea bed conditions at chart datum -28 m)
  - Laboratory tests and expert soil analysis und recommendation
  - for design of support structures
  - Determination of soil parameters:  
bulk densities  $\gamma/\gamma'$ , shear strength  $\phi'$ , cohesion  $c$ , elastic modulus  $E$  and  $E_{dyn}$ , bedding modulus, cone tip resistance und sleeve friction coefficients, relative density of soil, soil stiffness for dynamic calculations.



Jack-up working platform „Annegret“

