

References

Project: Offshore Jack-up Working Platform "Annegret" - Market Analysis for Offshore Wind Energy Project and Modification of Platform

Period: January 2002 - June 2003

Client: F+Z Baugesellschaft mbH, Hamburg

Short Description: IMS was provided the following engineering services:

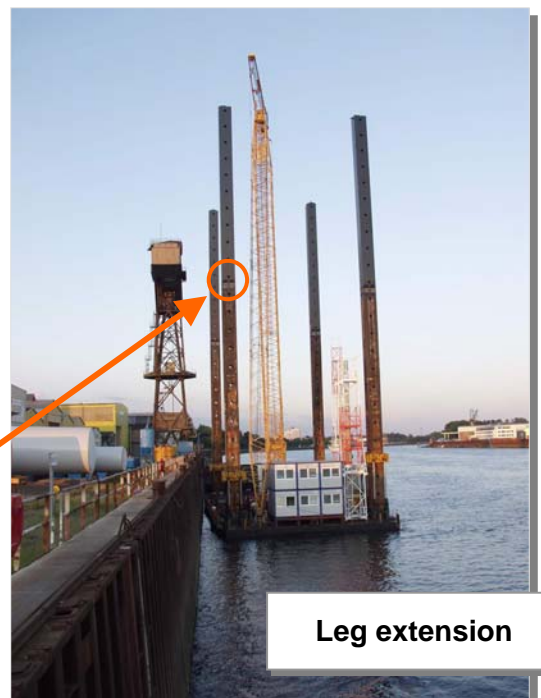
1. Market analysis for offshore wind energy project

- Presentation of existing sites with German and Danish Offshore Wind Parks including details on the water depth and wave conditions
- Definition of typical fields of work for the platform "Annegret"
- Analysis and evaluation of the competition on the offshore installations market.

2. Assistance in the modification of the offshore working platform "Annegret" (leg extension to 52 m)

- Assessment of wave, current and wind load estimations for platform and legs
 - Static calculations of the jack-up platform (global system) for design case (see bed = chart datum -33.8 m, max wave height = 7 m)
 - Design and dimensioning of structural reinforcements
 - Calculation of global and local strength FEM
- Preparation of documentation for classification.

Jack-up working platform "Annegret"



Leg extension