

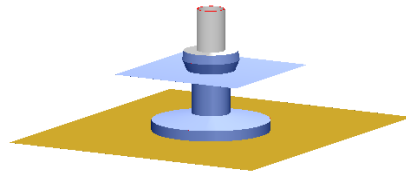
References

Project: Offshore Wind Farm Lillgrund, Sweden
Foundations – Tender Design

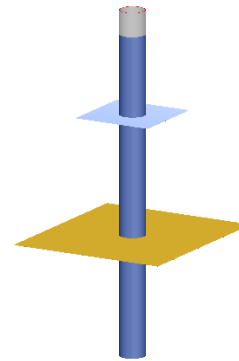
Period: 2005

Client: Aarsleff - Bilfinger Berger
Joint Venture

Short Description: IMS - in joint venture with COWI Denmark - assisted the Aarsleff - Bilfinger Berger Joint Venture with tender design for two alternative foundation solutions: gravity foundations and mono piles, respectively, for 48 wind turbines and 1 trafo station. The total production capacity of the wind turbine farm is estimated to be at least 350 GWh annually. The wind turbines are to be founded at 6m - 12m water depth. The services have comprised among others determination of ice, wave and current forces, structural design, geotechnical design and design of scour protection as well as all appurtenances.



Typical gravity foundation



Typical monopile foundation