



Courtesy of DONG Energy

Suction Piles for WTG Substructures



SPT Offshore



Suction Piles for WTG Substructures

If you're looking for significant cost reductions in the fabrication and offshore installation of a WTG substructure, founding this on suction piles is the solution.

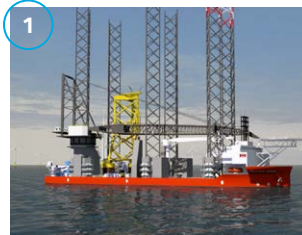
Product characteristics

- Three legged jacket with suction pile foundation
- Water depth up to 60m
- Applicable for all available wind turbine sizes

Benefits of suction piles for WTG substructure foundations

- Very swift offshore **installation**
- Noise free installation, relocation and removal, hence **environmental friendly**
- **Fabrication costs are reduced significantly**, since no pile sleeves, -catchers, -centralizers, mud mats and leveling padeyes are required
- **No pile drive- and leveling spread and operation required**
- **Engineering and installation by one party**, hence SPT Offshore takes over installation and in-situ **responsibility**
- **Integrated scour protection system**, hence no seabed preparations or rock dumping

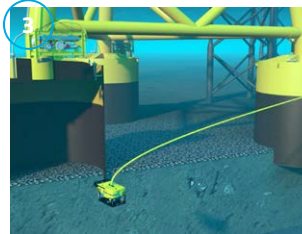
Transportation and installation



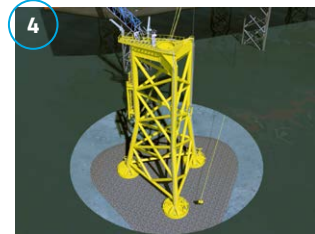
1 *Transport WTG substructure on jackup vessel to field*



2 *Position and lower to seabed*



3 *Install suction piles*



4 *Remove pump skids and disconnect rigging*

SPT Offshore track record for WTG substructure foundations



DONG Energy Borkum Riffgrund (Photos: courtesy of DONG Energy. SPT Offshore performed the suction pile installation services.)

