



# SIWT

Suction Installed Wind Turbine



**SPT Offshore**



 a **VolkerWessels** company

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## Suction Installed Wind Turbine

If you're looking for some significant cost reductions in the fabrication and offshore installation of the substructure of a wind turbine generator, the SIWT is the solution.

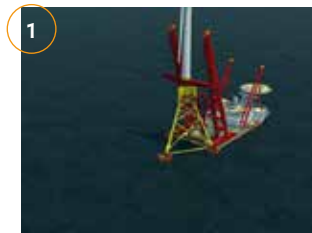
### Product characteristics

- A three legged jacket with suction pile foundation
- Water depth up to 60m
- Wind turbines up to 10 MW

### Benefits of the SIWT

- **Proven** concept with first SIWT approved by the German BSH
- Very swift offshore installation
- Noise free installation, hence **environmental friendly**
- **Fabrication costs are reduced significantly**, since no pile sleeves, -catchers, -centralizers, mud mats and leveling padeyes are required
- **No pile drive-, leveling- and grout spread and operation required**
- **Limited draught** in port and during transport to field
- **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



*Tow to field*



*Position and lower to seabed*



*Install suction piles*



*Disconnect Rigging*

### SPT Offshore track record for SIWT



*DONG Borkum Riffgrund*

