



SUCTION PILES AND SUCTION PILE CLUSTERS FOR **SUBSEA STRUCTURE FOUNDATIONS**

**IF YOU'RE LOOKING AT A QUICK,
EFFICIENT AND LOW COST
FOUNDATION FOR SUBSEA
STRUCTURES, FOUNDING
THESE STRUCTURES ON SPT
OFFSHORE'S SUCTION PILES
OR SUCTION PILE CLUSTER**



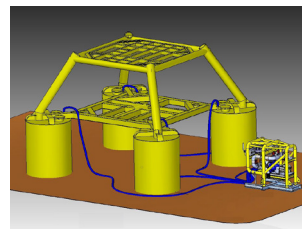
Product characteristics

- Integrated foundation of 3 or 4 suction piles in the subsea structure
- Or Suction Pile Cluster (SPC) with 3 bundled suction piles and subsea connector
- Suction pile installation to maximum of 3,000m water depth

Benefits of suction piles for Subsea Structure foundations

- **Proven** technology with numerous suction pile founded structures installed worldwide
- **Very swift** and **vibration free** offshore installation
- **Fabrication costs** are **reduced significantly**, since no pile sleeves, -catchers, -centralizers and mud mats are required
- **No** pile drive-, leveling- and grout **spread and operation required**
- **Leveling** of the structure < **0.25 degrees** by selective suction
- **Easy decommissioning** by reversed installation
- **Engineering and installation by one party**, hence SPT Offshore takes over installation and in-situ **responsibility**

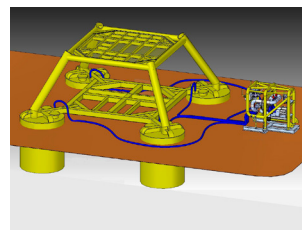
Transport and Installation



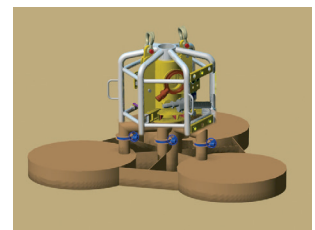
1. Lower structure and suction pump, connected with hoses or hardpiping, to seabed



2. Lift and lower SPC to seabed using the integrated suction



3. Suction operation to target penetration and levelness using integrated manifold



4. Suction operation to target penetration and levelness using integrated manifold