



Suction Piles and Suction Embedded Anchors for Moorings



SPT Offshore



Suction Piles and Suction Embedded Anchors for Moorings

If you're looking for a quick, efficient and low cost mooring anchor, SPT Offshore's suction pumps, suction piles and/or suction embedded anchors (SEA) are the solution.

Product characteristics

- Suction pile and SEA installation to maximum of 3,000 m water depth
- No limit on suction pile capacity
- Suction pump lift capacity for suction piles up to 200 mT weight

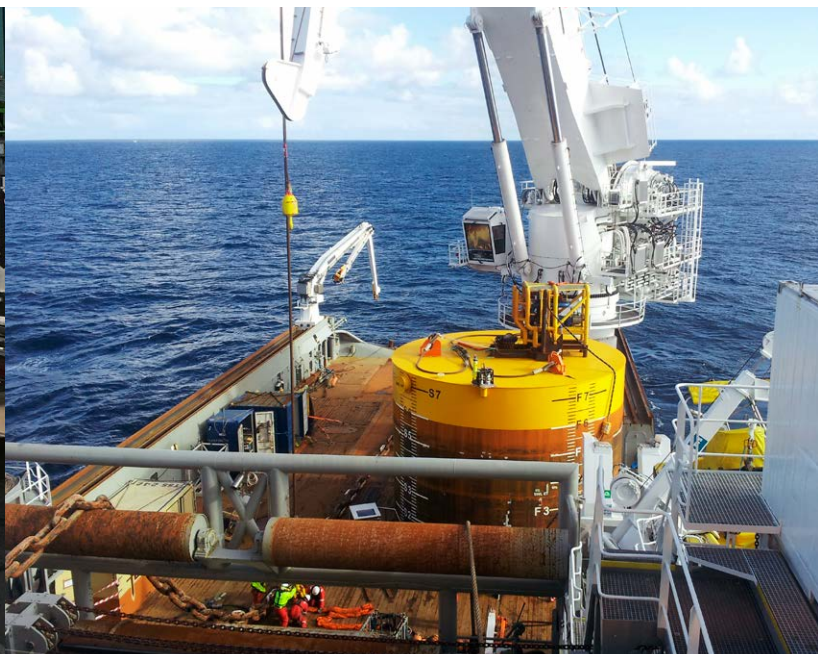
Benefits of suction piles and suction embedded anchors for moorings

- **High capacity suction pumps**, reducing the critical installation time up to a factor of **5**. Suction pile installation with SPT Offshore pumps can be done within **30 minutes**
- The SAPS-003s pump has an **integrated lifting and upending frame minimizing offshore handling**
- No venting required
- **XY inclinometers** integrated in the suction pump spread
- **Engineering and installation by one party**, hence SPT Offshore takes over installation and in-situ **responsibility**
- No external load tests required

SPT Offshore track record for moorings



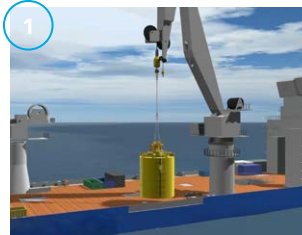
Berbice river



EON Huntington

Transportation and installation

Suction pile



1 Lift and lower suction pile to seabed using the integrated suction pump lift frame

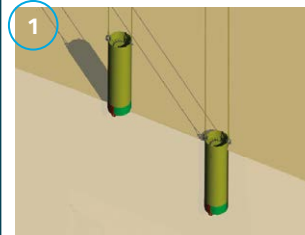


2 Position, orientate and lower to self weight penetration



3 Suction operation to target penetration and release pump

Suction Embedded Anchor (SEA)



1 Embed SEA as normal suction pile installation



2 Retrieve suction pile and open SEA by reversed suction process



3 SEA ready for use