



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

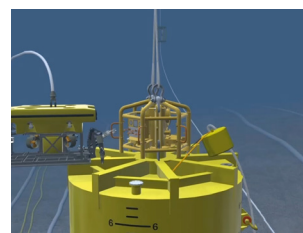
- **High capacity suction pumps**, reducing the critical installation time up to a factor of 5. Suction pile installation with SPT Offshore pumps can be done within **30 minutes**
- The SAPS-003s pump has an **integrated lifting and upending frame minimizing offshore handling**
- No venting required
- **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

Transport and Installation

Suction pile



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

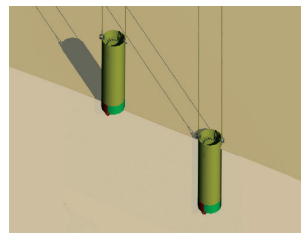


2. Position, orientate and lower to self weight penetration

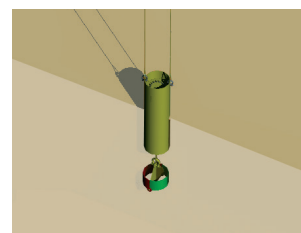


3. Suction operation to target penetration and release pump

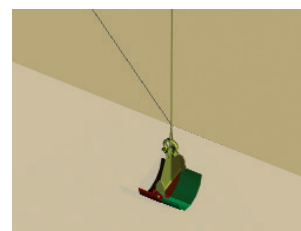
Suction Embedded Anchor (SEA)



1. Embed SEA as normal suction pile installation



2. Retrieve suction pile and open SEA by reversed suction process



3. SEA ready for use