

SUCTION EMBEDDED ANCHOR

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.



SPT Offshore designs and fabricates Suction Embedded Anchors for various floating structures and facilities, such as FPSO's, FPU's, SPARs, SBMs, offloading buoys etc. SPT Offshore installs SEAs and complete mooring lines with a tailored Offshore Construction Vessel and/or Anchor Handling Tug. Alternatively, SPT Offshore also performs suction anchor and SEA installation services from Company's vessel(s).

Product characteristics

- Suction pile 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

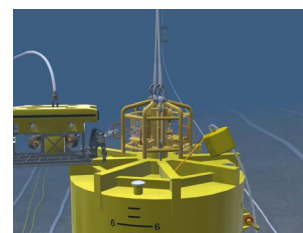
- Holding capacity independent of load angle.
- No external load tests required.
- Extremely high weight to holding capacity ratio.
- Our high capacity suction pumps, reduce the critical installation time up to a factor of 5 in 30 minutes.
- The SAPS-003s pump has an integrated lifting and upending frame.
- No venting required.
- Engineering and installation by one party, hence SPT Offshore takes over installation and in-situ responsibility.

Transport and Installation

Suction pile



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

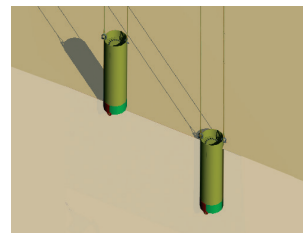


2. Position, orientate and lower to self weight penetration

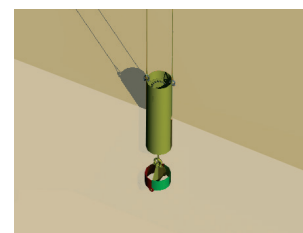


3. Suction operation to target penetration and release pump

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