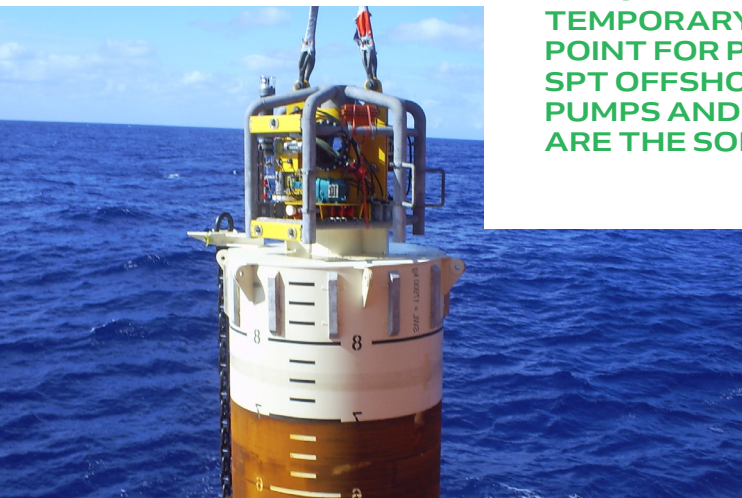




SUCTION PILES FOR
PIPELAY STARTUP

**IF YOU'RE LOOKING AT A QUICK,
EFFICIENT AND LOW COST
TEMPORARY ANCHORING
POINT FOR PIPELINE INITIATION,
SPT OFFSHORE'S SUCTION
PUMPS AND SUCTION PILES
ARE THE SOLUTION.**



Product characteristics

- Several suction piles with capacities up to 275 mT readily available for rental
- Suction pile installation to maximum of 3,000 m water depth
- Suction pump lift capacity up to 200 mT

Benefits of suction pumps and piles

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

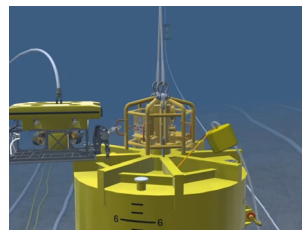
Transport and Installation



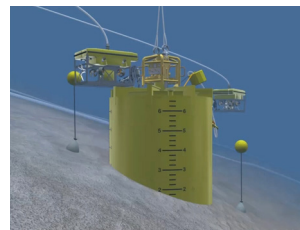
1. Install and lock suction pump on suction pile



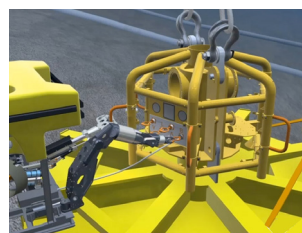
2. Lift and lower suction pile using integrated sp lift frame



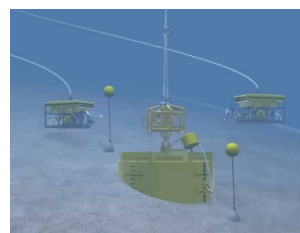
3. Position and orientate using the ROV



4. Lower to self weight penetration and close vent valve



5. Suction operation to target penetration



6. Unlock and release suction pump