

FPSO TANK CLEANING

FLOATING PRODUCTION STORAGE
& OFFLOADING

THE CHALLENGE

FPSO owner/operators aimed to enhance team productivity and improve the efficiency of their continuous tank cleaning needs. They had been relying on the outdated bucket and winch approach for tank sludge removal and cleaning, restricting them to filling only 3 tanks with 2 crews and 2 winches during an entire day shift. This not only incurred high costs due to operational downtime but also involved labour-intensive manual work in hazardous environments.

OUR SOLUTION

SupaVac, the chosen Solution for FPSO Tank Cleaning, supplied 3 x SV60-V2 units configured with vent-to-atmosphere.

These SV60-V2 pumps, featuring a reduced footprint, were lowered 30 meters into the tank through tight access hatches. They effectively pumped solids upward over 30 meters to the top deck, resulting in significantly improved transfer efficiencies. The implementation of a vertical hosing setup not only markedly reduced downtime and manpower requirements but also minimised associated Occupational Health and Safety (OHS) risks.

An online training session facilitated by the SupaVac engineering and sales team provided the customer with comprehensive knowledge about the SupaVac units. This training covered the intricacies of pumping sludge from various tank areas, showcasing the flexibility and enhanced safety features of the LPD adjustable discharge pressure.

THE RESULTS

SupaVac units demonstrated a massive improvement over the traditional FPSO Operators' sludge removal method. The team achieved a clean-out rate of 7-10 tanks per day per crew. Feedback from the customer confirmed that the deployment of these SV60-V2 SupaVac units substantially decreased the timeframe for sludge removal, now necessitating only half the manpower compared to previous operations.

- 50% reduction in onsite personnel requirements.
- Remarkable 650% acceleration in tank cleaning.

THE SUPAVAC SV60-V2

The SV60-V2 Portable Solids Pump is a vacuum loading, pressure discharge pump capable of transferring up to 27 m³/hr (119USGPM) @ SG1.0.

- ATEX Zone 2/CE conformity
- Next Generation Pneumatics
- 100% compressed air operation
- No internal moving components
- Recovers material from up to 50 metres (164ft)
- Delivers up to 500 metres (1640ft)

THE CUSTOMER FEEDBACK

"Thank you for your support, in light of the difficult communication it is appreciated all the more your efforts to connect. Can you send me the specs and order summary we made for our scope, I need to distribute this, as other facilities are asking about your product"

