

TANK CLEANING APPLICATIONS

FLOATING PRODUCTION STORAGE & OFFLOADING

THE CHALLENGE

An ongoing issue FPSO owner/operators experience is that the vessels need to be in dry dock for a number of days for tank sludge removal and cleaning, the traditional cleaning methods are high cost due to time intensive manual labour and operational downtime. Malaysia Marine and Heavy Engineering (MMHE) are seeking to reduce cost and increase the efficiency of their ongoing tank cleaning requirements.

ZAR LYNX MALAYSIA

For many years, SupaVac has been working closely with ZAR Lynx Malaysia for FPSO (Floating Production Storage and Offloading) tank sludge removal & cleaning with its unique, fully air operated SV solids pumps.

The chosen SupaVac slurry pump, namely SV30, SV60-V and SV110-V models, have provided increased efficiencies and reduced completion times, which is crucial as vessels often have very limited time in dock. In addition the SupaVac solution for FPSO applications has drastically reduced associated risks of working in confined hazardous areas by reducing manpower requirements.

OUR SOLUTION

SupaVac solids pumps were trialed as an alternative method, an onsite demonstration of the SV110-V solids pump unit was conducted at the MMHE facility, with very impressive results.

The SV pump was able to efficiently suction all of the sludge and simultaneously discharge waste through a 30m vertical hosing, significantly reducing downtime, manpower and minimising associated OH&S risks.

Following this demonstration, a contract was awarded to SupaVac distributor, ZAR Lynx for the task of de-sludging and cleaning FPSO vessel storage tanks for MMHE.

ZAR Lynx was able to efficiently clean two vessel tanks the same size in significantly reduced time frame using the SV110-V, and only half the manpower as previously required.

SUPAVAC SV60 & SV110-V

ZAR Lynx and SupaVac are continually working together to develop market specific solutions for this application. The current SV60-V & SV110-V models have the ability, but typically require a larger access point in the tank. The newly developed smaller SV30 series will allow for tank sludge removal & cleaning to occur whilst the vessel is afloat, reducing dry dock costs and reducing downtime for the FPSO which is a significant benefit to vessel owners and operators.

- Required 2 times less people onsite
- Reduced completion times
- Up to 30m vertical discharge

