

Solids Removal and Deep Clean of P5 COT Tank

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| Client | Maersk Oil |
| Project | Solids Removal and Deep Clean of P5 COT Tank |
| Location | Maersk FPSO |

THE CUSTOMER

The North Sea Producer is moored in the MacCulloch Field, 250 kilometres northeast of Aberdeen, Scotland. The unit is 236 metres long and operates at a water depth of 92 metres. The North Sea Producer has a daily production capacity of 76,000 barrels of oil and has a storage capacity of 560,000 barrels.

THE CHALLENGE

Maersk FPSOs tasked Altrad Environmental Services to provide a solution for the removal of 250m³ of solids and 500 m³ of oil and produced water held within P5 COT Tank. The request was to complete a COT to COT transfer and subsequent deep cleaning of the tank base and walls for inspection.

- Critical path scope to achieve DNV Class certification of COT
- Large volume of liquids and solids
- Confined space entry, intrusive tank cleaning
- Transfer of solids 24m vertically and 50m horizontally
- Heavy hydrocarbon sludge consistency SG2
- Limitation on water use to prevent further generation of waste
- NORM contaminated hazardous waste

ALTRAD SERVICES SOLUTION

Altrad Environmental Services Sludge Trans System deployed with a team of five fully trained, competent and multi-skilled technicians.

Work carried out in three phases:

- Liquids removed to slops tank
- Solids transferred to nominated COT tank
- Deep clean of COT tank

Sludge Trans transfers the liquid volume at 81m³ per hour. It removes 250m³ of hydrocarbon solids at 15 – 20 tonnes per shift. The works were completed in 10 days working single shifts. The full scope completed safely, on time and on budget.

ABOUT ALTRAD SERVICES

Altrad Services is an international leader in the provision of critical industrial services principally to the energy and natural resources sectors.

Our multi-disciplinary service offering includes access systems, insulation, specialist coatings, passive fire protection, refractory linings, environmental services, oil and gas storage tanks and heat exchanger replacement and refurbishment.