

UAE: Amarith Delivers Pumps to ZADCO for Offshore Pilot Plant

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Amarinth, a company specialising in the design, application and manufacture of centrifugal pumps and associated equipment to the industrial, chemical and petrochemical industries has delivered £750K of API 610 OH2 pumps to ZADCO , for an offshore pilot plant at Zirku Island, Abu Dhabi.

The new pilot plant, for a planned larger installation, was commissioned by ZADCO on Zirku Island, which is located 140 kilometres north-west of Abu Dhabi. With its advanced oil and gas installations, Zirku is considered the main industrial base for the processing, storage and export of oil from Upper Zakum, Umm Al-Dalkh and Satah Fields.

A produced water treatment system was required by ZADCO on a very short lead time to meet the plants operating deadline. The pumps for the filtration system required a low shear design in order that the oil and water were not emulsified otherwise the process would be rendered ineffective. The produced water was high in H₂S, and so the pumps had to be manufactured in a high nickel alloy to resist the extremely corrosive effects of the H₂S.

Amarinth has a strong track record for delivering into demanding and prestigious off-shore projects in the Middle East, as well as a long established global reputation as an off-shore supplier to the North Sea, Malaysia, Scandinavia, and Production, Storage and Offloading (FPSO) vessels. This record, combined with its experience in supplying API 610 OH2 pumps for produced water treatment packages, which generally demand low shear designs, secured Amarith the £750K contract after the company successfully demonstrated that it could design and manufacture the required pumps in the exotic materials ten weeks quicker than its nearest competitor, enabling the commission date of the plant to be met.

Based on the company's previous successes around the world, Amarith will be building on this opportunity, which is the first pilot project in the large Satah Full Field Development project.

Immediately following this success, Amarith secured further orders from ZADCO to upgrade API

sensors and external flush lines. The new sensors ensure that the pump bearings do not run dry, a health and safety concern in such hazardous environments where a major pump failure can cause loss of life.

An important aspect of winning this additional business was Amarith's service excellence, ability to work with the client during the design and specification phase and its business agility to act quickly upon the changing requests and demands from ZADCO, particularly regarding the bearing life and the need for continual production during this upgrade.

Oliver Briggshaw, Managing Director of Amarith, commented, *"We are delighted that we are building on our relationship with ZADCO. This new order expands our existing strong on-shore presence in the Middle East into offshore where we can bring the experience we have built up over many years in sectors such as the North Sea and Malaysia to bear. This order opens up big opportunities for us in the region which has already underlined by the subsequent work we have just been awarded by ZADCO to upgrade the VS4 pumps. Following the Satah Full Fill Project we are now focussed on the large SAS (Sahil, Asab and Shah) offshore Development Project and continue to target the specialised requirements of the oil and gas industry."*