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Amarinth, a company specializing in the design, application and manufacture of centrifugal pumps and associated equipment to the oil and gas, petrochemical, chemical, industrial and power markets, has delivered its first order to the Indian operation of Aquatec consisting of exotic alloy API 610 VS4 pumps for use in the SOCAR Turkey Agean refinery (STAR) in Turkey.

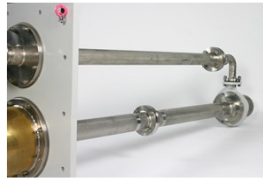


Photo courtesy of Amarith.

The STAR project, set for completion in 2018, will be the first oil refinery to start operations in Turkey since the early 1970s and will process an estimated 10 MMtpy of crude oil. Located five kilometers from Aliaga, Izmir Province, the project also includes the construction and operation of three marine shipping terminals and a new stand-alone wastewater treatment plant for managing refinery by-product.

The Indian operation of Aquatec is responsible for various aspects of the refinery and required 5.5 m long vertical pumps for sulfuric acid, caustic drain and vessel waste duties. The corrosiveness of the pumped fluids dictated that the vertical pumps had to be manufactured from exotic Alloy 20. To meet the very tight deadline of 27 weeks, Amarith used one of its available slave motors for the testing in the UK whilst the actual motors were delivered directly to the refinery and then married with the pumps on-site.

Aquatec placed the order with Amarith for its reputation of delivering high quality, bespoke API 610 VS4 pumps out of the United Kingdom to prestigious projects around the world against very tight deadlines. Amarith has an extensive automated testing bay with two 7.5 m deep pits ensuring that full hydraulic testing could be undertaken on the 5.5 m long pumps, and in this case using its own slave motor that matched the STAR specification, minimizing any issues when commissioning the pumps and motors on-site.

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