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Pumps worth £1.2 million for the West Qurna-2 expansion project in Iraq

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Amarinth – the designer and manufacturer of low lifecycle cost centrifugal pumps and associated equipment, primarily for the offshore and onshore oil & gas industries; nuclear and renewable energy generation;

defence; desalination; process and industrial markets – has delivered two separate orders of API 610 pumps totalling £1.2 million for the West Qurna-2 expansion project in Iraq

West Qurna-2, located approximately 65km northwest of the seaport town of Basra, Iraq, is one of the world's biggest onshore oilfields. The expansion project is expected to increase the production capacity from the current 400,000 barrels oil per day (bpd) to 480,000 bpd, with a target to achieve a total production capacity of 800,000 bpd by 2025.

Low-shear application

The first order, from Cannon Artes, was for seven super duplex API 610 OH1 pumps. The bespoke designed pumps are for a low-shear application and required specialist Plan 53B seal support systems incorporating air cooled seals and stainless-steel accumulators. All electrical items were IECEx certified for use in an ATEX Zone 2 hazardous area. Despite the on-going global Covid-19 pandemic during the design and manufacture, delivery was achieved in the required time of just 32-weeks from order.

Designed to fit within a constrained footprint

The second order, from SICIM, was for three super duplex API 610 OH3 vertical in-line pumps for produced water treatment. The large pumps had impellers of over 500mm diameter and the casings, that weigh 1.5 tonnes, were cast in a foundry in the UK. Plan 53B seal support systems were designed to fit within a constrained footprint and as the pumps were destined for an ATEX Zone 2 area, the motors, seal support systems, and instrumentation were IECEx certified. Witness testing and inspection was undertaken by Bureau Veritas and a full legalised Iraq documentation package was delivered with the pumps. Once again, despite the global Covid-19 pandemic, delivery was achieved on a short 38- weeks.

Further business

Oliver Briggins, managing director of Amarith, comments: "We are delighted to have delivered these pumps to the West Qurna-2 expansion project, further underlining our commitment to projects in Iraq and the Middle East. We have successfully delivered orders previously to Cannon Artes, but this was the first order Amarith has received from SICIM, and we look forward to undertaking further business with them in the future."

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