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Amarinth secures £550K order for API 610 water treatment pumps for new North Sea Quad 204 FPSO

Amarinth, a leading company specialising in the design, application and manufacture of centrifugal pumps and associated equipment to the Oil & Gas, petrochemical, chemical and industrial markets has secured an order for five of API 610 pumps to be installed on the new Quad 204 FPSO currently under construction and destined for the North Sea.

Amarinth will supply the five API 610 OH2 A-Series super duplex pumps with Plan 53B buffer fluid seal support systems mounted on bespoke baseplates to the new Quad 204 Floating Production, Storage and Offloading (FPSO) vessel. The pumps will be installed in the produced water treatment and reservoir pressure maintenance re-injection package being provided by M-I SWACO. The Quad 204 FPSO project will set a new benchmark in FPSO operability, maintainability, reliability and operational safety when it comes into operation in 2013 to replace the existing BP Schiehallion FPSO.

In March, the UK government pledged its support to oil and gas firms by introducing a £3bn tax allowance for opening up new fields west of Shetland, the last area of the basin left to be developed. Located in deep water, these fields are technically challenging and dangerous to operate in but they contain an estimated 20% of the country's remaining reserves.

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Amarinth was approached to supply the pumps for this prestigious Quad 204 FPSO project for its expertise and track record in providing reliable pumps that meet the demanding requirements of deep water off shore oil and gas operators.

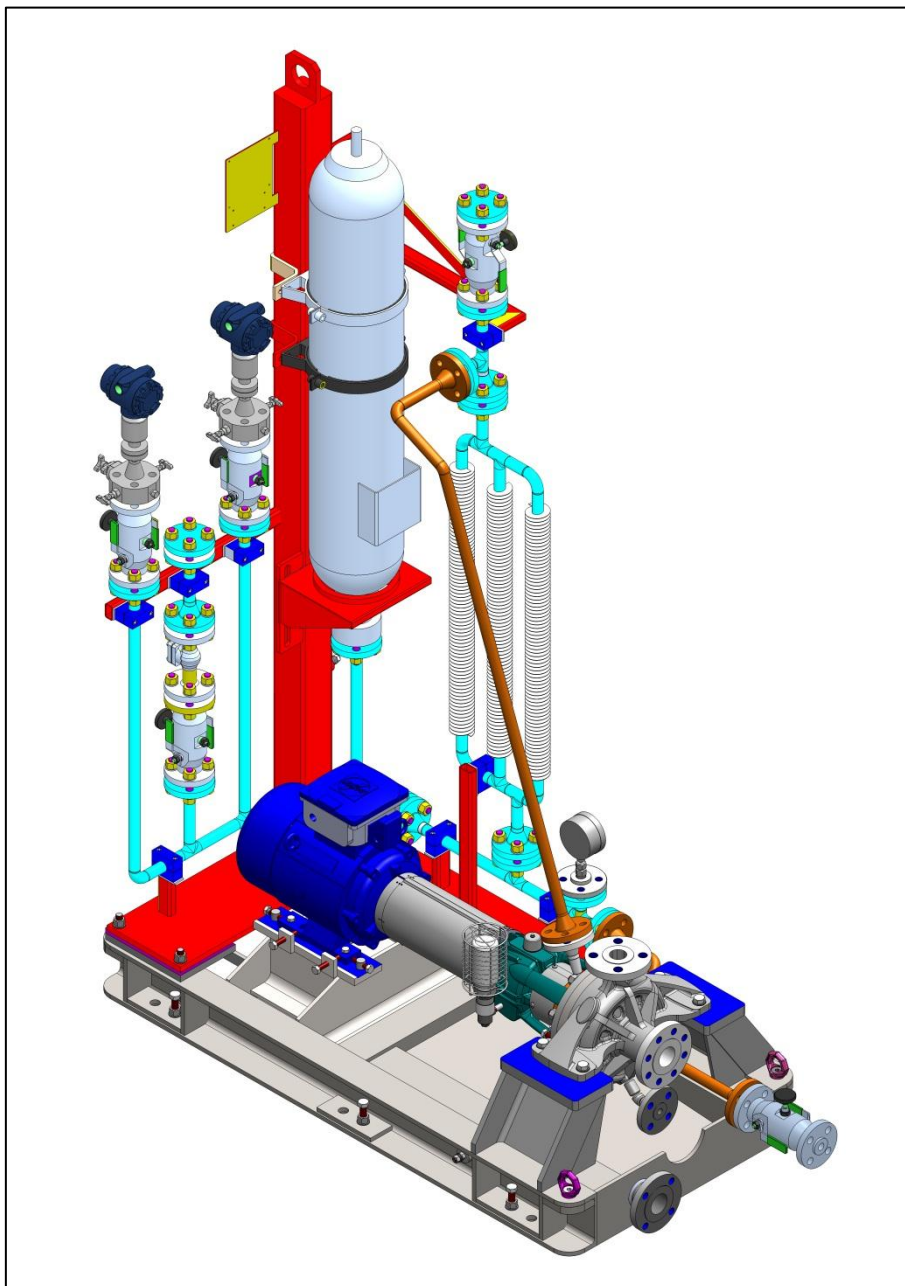
Harry Coldrey, UK OEM Sales Manager at Amarith, worked closely with M-I SWACO and BP and initiated an upfront engineering study of the water treatment requirements and FPSO vessel restrictions. Following this consultation Amarith undertook the design work in a three-way consultation with John Crane and BP engineers to develop an integrated pump and seal support system package on a bespoke baseplate that could be accommodated within the very restricted deck space of the vessel. The seal support system was mounted to the baseplate in an unusual arrangement and so the baseplate had to undergo extensive analysis during the design to ensure that it had the required stiffness and met the stringent noise and vibration specifications.

The Quad FPSO hull is being built in Korea and then fitted out in Singapore before being sailed to the Shetland Isles whilst undergoing commissioning on-route for operational duties during the second half of 2013.

Oliver Briggshaw, Managing Director of Amarith, commented: “We are very pleased to have been asked to supply the water treatment pumps for this new state-of-the-art FPSO vessel. It builds on the relationship we have developed over number of previous projects with both M-I SWACO and BP. It is also Harry’s first major order for Amarith, and he is now working on a number of opportunities for North Sea operators as a result of the increased investment in the region. We’re also pleased to have just won a second order for VS4 pumps from Hyundai Heavy Industries for the same project.”

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OPTIONAL PANEL or BOX ITEMS



Amarinth API 610 OH2 A-Series pump with Plan 53B buffer fluid seal support systems mounted on bespoke baseplate for Quad 204 FPSO

NOTES TO EDITORS:

Founded in 2002, Amarith has harnessed the skills, creativity and passion of people who have worked in the pump industry for many years. Amarith delivers world-leading expertise in the design, application and manufacture of centrifugal pumps and associated equipment to ISO, ANSI & API standards, primarily for the industrial, chemical & petrochemical markets. Their portfolio includes:

- **Pumps:** Horizontal and vertical API 610 pumps, chemical and industrial pumps, many of which are interchangeable with the Girdlestone pump ranges, eliminating the need for expensive modifications when replacements are required.
- **Pressure Vessels:** Protect System Plan 52 and 53A and 53B sealant systems with inbuilt condition monitoring for pumps and mixers that are suitable for Safe area up to Zone I.
- **Spares & Service:** High quality, fast lead-time re-engineered spare parts to improve performance and extend pump life, including many which are directly interchangeable with the Girdlestone pump ranges.
- **Packages & Modules:** Condensate Recovery Units manufactured for Spirax Sarco incorporating the innovative Ci-Nergy intelligent variable speed control system, plus bespoke packages & skids built to order.
- **Business Systems:** state-of-the-art e-commerce technologies that deliver 24/7 support enabling customers to select pumps and place orders on-line and then track every stage of manufacture through to delivery, any time, anywhere in the world.

The company operates globally from its base in Rendlesham Suffolk, United Kingdom and has a customer base of world-leading companies, including BP, Shell, ExxonMobil, GlaxoSmithKline, Pfizer, Spirax Sarco, Diageo, AMEC, Fluor and Halliburton.

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