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Amarinth's API 685 Magnetic Drive Pumps set the standard for safety and reliability in critical process industries

Amarinth, a world-leading, net-zero 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; and process and industrial markets, has secured £8M in orders over the last 12 months for its proven API 685 magnetic drive pump range, engineered for zero-leakage performance in the world's most demanding applications, underscoring the industry's confidence in its products operational safety and environmental integrity.

In oil and gas and chemical processing, the effective containment of process fluids is a critical operational priority. Operators face increasing pressure from stringent environmental regulations, rigorous safety standards, and the significant financial implications of fluid loss. Fugitive emissions and leaks not only pose risks to personnel and the environment but can also result in costly downtime and loss of valuable product. Consequently, the demand for pumping technologies that offer absolute, verifiable containment is becoming stronger for responsible and profitable operations.

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Utilising a magnetic drive, hermetically sealed design, the Amarinth API 685 range eliminates the need for traditional dynamic mechanical seals, a potential point of failure in conventional pumps. By using a powerful magnetic coupling to transmit torque through a stationary, leak-proof containment shell, the pump ensures that the process fluid is completely isolated from the atmosphere. This sealless architecture provides a robust, long-term solution for zero-leakage applications, significantly enhancing site safety and environmental compliance.

This commitment to engineering excellence is validated by recent orders. Within the last 12 months, Amarinth has secured £8M in orders for horizontal OH2, vertical VS4, and vertical in-line OH3 API 685 magnetic drive pumps. These will be manufactured in alloys ranging from carbon steel to stainless and duplex steels and equipped with advanced instrumentation, including leak-detection sensors as well as temperature and vibration monitoring. The selection of Amarinth's technology for these critical applications, combined with extremely demanding delivery schedules, showcases the company's ability to provide leading-edge, reliable solutions under the most challenging project conditions.

"The scale of these recent orders demonstrates not only our ability to deliver complex, leak-free magnetic-drive pumps to the most exacting standards, but also our agility in meeting aggressive project schedules that are critical to the success of world-scale industrial initiatives," said Oliver Brigginshaw, Managing Director of Amarinth. "We are delighted to continue our long-standing partnerships with many of the world's leading energy producers. It is a testament to the trust our customers place in our innovative technology and our engineering expertise to ensure the safety and reliability of their most critical operations."

The entire Amarinth API 685 magnetic drive pump range is designed and manufactured in full compliance with API 685 3rd Edition specifications. Furthermore, the pumps are fully compliant with ATEX and IECEx directives for safe operation in potentially explosive atmospheres, providing customers with certified assurance of their suitability for the world's most critical and hazardous applications.

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OPTIONAL PANEL or BOX ITEMS

Amarinth API 685 Magnetic Drive Pumps in assembly

NOTES TO EDITORS:

Amarinth is a carbon net zero organisation delivering world-leading expertise in the design, application and manufacture of centrifugal pumps and associated equipment for critical applications in many of the most arduous and hostile environments around the globe.

Founded in 2002, Amarinth has harnessed the skills, creativity and passion of people who have worked in the pump industry for decades, delivering bespoke API and ISO pumps primarily to the offshore and onshore oil & gas industries; nuclear and renewable energy generation; defence; desalination; process and industrial markets.

The company's innovative approach, business agility and use of sophisticated computer applications enables it to deliver robust, reliable and sustainable pumping solutions on the shortest lead times in the industry.

Amarinth's portfolio includes:

- **Process pumps** – API 610, API 685, ISO 5199 horizontal, vertical and in-line bespoke process pumps, including ones that are hydraulically and dimensionally interchangeable with the former Girdlestone and other obsolete pumps.
- **Skid packages and modules** – Supplied with a variety of drives for applications including de-sanding, mixing, filtration and chemical injection and tailored for the oil & gas, water treatment and power generation industries.
- **Condensate recovery** – Cutting-edge design providing low NPSH up to 98°C with variable speed drives to reduce cycle time and lower operating costs, available in stainless steel, galvanised or copper tanks for light or heavy industrial uses.
- **Seal support** – Integrated pressurised and vented seal support systems designed and delivered to API 682 and ISO 5199 standards and specific site specifications and requirements, working closely with AES, Eagle Burgmann, John Crane and Protect System.
- **Spare parts** – Critical spares for all Amarinth pumps and related components can be dispatched the same day, reducing potential downtime, and in addition components for the former Girdlestone and other obsolete pumps can be re-engineered often improving the performance of existing assets.
- **Services** – A full range of pump related services, delivered from UK head office or on-site globally, onshore or off-shore, including full commissioning and start-up support; also strip, report and refurbishment of any pump regardless of manufacturer.

Amarinth operates globally from its base in Rendlesham Suffolk, United Kingdom and offices in the Middle East and Malaysia with a global customer base, including BP, Shell, ADNOC, NOV, ExxonMobil, Schlumberger, COSCO, EDF, GlaxoSmithKline, Saudi Aramco, Pfizer, Diageo, Kuwait Oil Company, AMEC, Fluor, Halliburton, and Babcock.

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