



FOR IMMEDIATE RELEASE – 10 January 2022

Amarinth delivers vertical in-line pumps to EDF for Sizewell B nuclear power station, United Kingdom

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; process and industrial markets, has delivered two vertical in-line pumps to EDF to replace obsolete pumps at the Sizewell B nuclear power station, Suffolk, United Kingdom.

The Sizewell B nuclear power station on the Suffolk coast and operated by EDF is the only Pressurised Water Reactor in the United Kingdom. Last year Sizewell B generated low carbon electricity for 2.3 million homes. Following previous orders of pumps from EDF, Amarith was once again selected to provide two vertical in-line pumps by EDF to replace end-of-life obsolete pumps at the power station.

Replacement of obsolete equipment in power stations to maintain operations has become a major issue for power generation companies and so Roll-Royce has created the Proactive Obsolescence Management System (POMS) to quickly identify equipment suppliers that can provide replacement solutions for the obsolete equipment, particularly where the OEM has gone out of business. Amarith is both registered in POMS and had previously undertaken a site survey of the existing pumps at Sizewell, giving EDF confidence that Amarith fully understand the challenges of providing a replacement pump.

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The power station requires filtered sea water during operation and the new Amarith vertical in-line super duplex pumps delivered to EDF are to replace existing but now obsolete filtration screen spray pumps for the drum screen wash process. The pumps are safe area rated, underwent a full suite of non-destructive evaluation (NDE), and carry 3.1 material certification for traceability. The pumps were also delivered to a tight 30-week deadline to coincide with a planned maintenance schedule thereby minimising disruption at the power station.

Oliver Briggshaw, Managing Director of Amarith, commented: “We are delighted that EDF has once again selected Amarith for these new pumps which replace obsolete pumps where the OEM is no longer in business. Our obsolescence programme for OEM pumps is designed for any organisation facing issues with existing centrifugal pumps where the OEM may have gone out of business. We can provide sacrificial and critical component spares; a strip, service and refurbishment capability regardless of original equipment manufacturer; through to a complete pump replacement, which in many cases is fully interchangeable, hydraulically and dimensionally, with the obsolete centrifugal pump, minimising the need to modify existing plant or pipework.”

OPTIONAL PANEL or BOX ITEMS



Amarinth vertical in-line pumps ready for shipment to
EDF Sizewell B nuclear power station

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, Amarith 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 Amarith 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, LUKOIL, Halliburton, and Babcock.

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