



FOR IMMEDIATE RELEASE – 2 June 2021

**Amarinth supplies interchangeable vertical pump for the
Karachaganak Field Development Project, Kazakhstan**

Amarinth, a world-leading, net-zero designer and manufacturer of low lifecycle cost centrifugal pumps and associated equipment for offshore and onshore oil & gas industries; nuclear and renewable energy generation; desalination, process and industrial markets, has won an order from Karachaganak Petroleum Operating (KPO) in Kazakhstan, through its agent Industrial Systems Group (ISG), for an ISO 5199 vertical pump to replace an existing Girdlestone pump.

The Karachaganak oil and gas condensate field is the biggest gas condensate field in Kazakhstan and is owned and operated by Karachaganak Petroleum Operating (KPO). The onshore field is spread over more than 280km² near Aksai, in northwest Kazakhstan.

When an existing Girdlestone vertical pump installed in the 1980's had come to the end of its life, KPO approached Industrial Systems Group (ISG) for a replacement. ISG is a premier supplier of high-quality equipment for the oil & gas and associated industries in the Caspian region, and the leading company for handling such issues. To minimise the downtime and the costs associated with changing mountings and pipework, a dimensionally and hydraulically interchangeable pump was required.

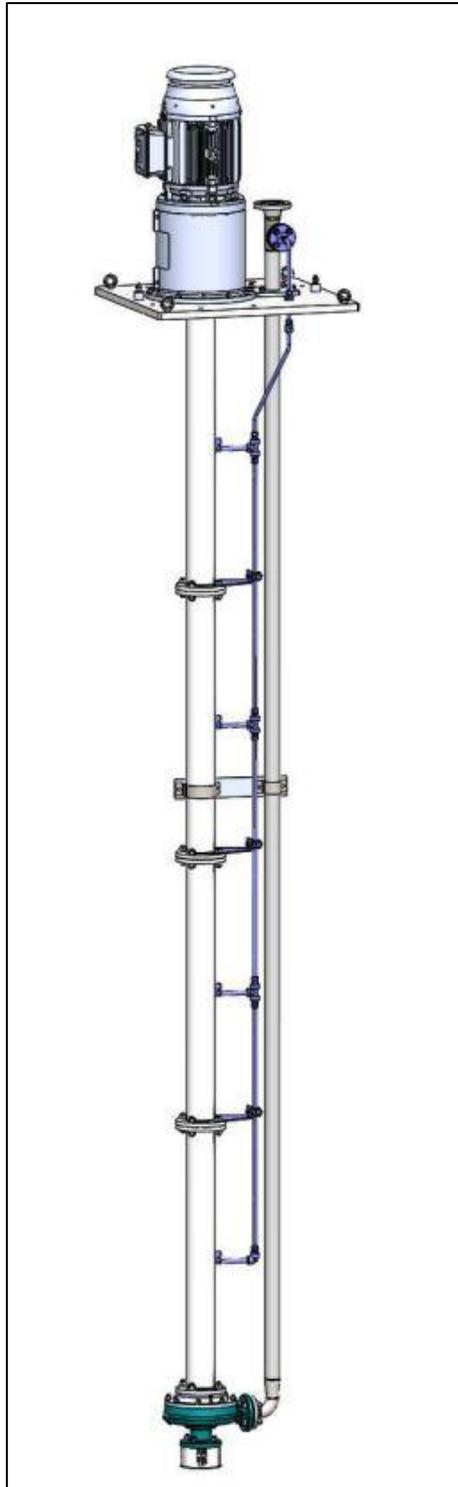
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Amarinth has developed a range of pumps that are directly interchangeable with Girdlestone pumps and Amarith products are already EAC Certified, a requirement to provide equipment into the EAC Economic Union of Russia, Belarus, Kazakhstan, Armenia and Kyrgyzstan. Amarith is also confident handling the complex GOST-K Certificate of Conformity documentary evidence required by Kazakhstan law to prove that equipment meets Kazakhstan requirements and standards, and the company has proven expertise in delivering against short lead time bespoke projects in the region, including a previous order for KPO.

ISG, as the long-standing agent for Amarith in the region, was able to draw on all Amarith's expertise to supply a new ISO 5199 vertical pump on a 30-week delivery that is fully interchangeable with the old Girdlestone pump. The pump will be supplied with a bespoke external lubrication system and manufactured in stainless steel with 3.1 material certification, meeting all the KPO requirements. KPO will now benefit from a further 25+ years of service life with a pump that is fully supported with availability of spare parts.

Oliver Briginshaw, Managing Director of Amarith, commented: "We are delighted to have secured this second order from KPO working in partnership with our agent ISG and we look forward to further orders as we continue to develop our presence in Caspian region."

OPTIONAL PANEL or BOX ITEMS



Amarinth ISO 5199 vertical pump with external lubrication designed for
Karachaganak Petroleum Operating (KPO) in Kazakhstan

NOTES TO EDITORS:

Founded in 2002, Amarith delivers world-leading expertise in the design, application and manufacture of centrifugal pumps and associated equipment.

Harnessing the skills, creativity and passion of people who have worked in the pump industry for decades, Amarith delivers bespoke API and ISO pumps primarily to the offshore and onshore oil & gas industries; nuclear and renewable energy generation; desalination, process and industrial markets.

The company's business agility and use of sophisticated computer applications enables it to deliver robust and reliable bespoke pumping solutions for extremely demanding applications in the world's most hostile environments on the shortest lead times in the industry.

The company's portfolio includes:

- **Pumps:** API 610 OH1, OH2, OH3, OH5, VS4 centrifugal pumps; API 685 magnetic drive pumps; ISO 5199 horizontal, vertical and vertical inline chemical and industrial pumps, many of which are directly interchangeable with Girdlestone and other manufacturer's pump ranges, eliminating the need for expensive modifications when replacements are required.
- **Pressure Vessels:** Including Plan 52, 53A, 53B and 71 seal systems with inbuilt condition monitoring.
- **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 incorporating innovative intelligent variable speed control system, plus bespoke packages and skids built to order.
- **Assembly & Test Bay:** Modern, comprehensive, fully equipped assembly and testing facility, including two automated 5m deep sumps for vertical pumps, with integrated telemetry capture and data platform and the option of full remote live witness hydro testing using an array of HD webcams.
- **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, anytime, anywhere in the world.

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

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