



Amarinth API 610 Vertical In-line Pump

Amarinth delivers bespoke compact API 610 vertical in-line pumps to the Yanbu refinery, Saudi Arabia



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 an order through Gas Arabian Services for bespoke compact API 610 vertical in-line pumps to be used in the Saudi Basic Industries Corporation (SABIC) petro-chemical refinery, Yanbu.

The Yanbu petro-chemical refinery in the Al Madinah province of Saudi Arabia processes 400,000 barrels-per-day (bpd) of crude oil from the Manifa offshore field producing high-quality, ultra-low sulphur-refined products.

Two horizontal pumps were originally specified for the hazardous area, but these would not fit within the heavily restricted space. Amarithh therefore proposed using API 610 vertical in-line pumps.

The pumps were required on a tight 30-week delivery schedule and so Amarithh used its renowned know-how and agility to leverage its existing range of API 610 vertical in-line pumps and create a bespoke design with a footprint of just 420mm x 420mm.

The company used FEA analysis and a suite of design tools to ensure the pumps would operate reliably within the tight design envelope.

Oliver Brigginsshaw, Managing Director of Amarithh, commented: "We are delighted to have delivered this further order from Gas Arabian Services for Yanbu refinery which underlines our strength and strong partnerships within the Middle East.

The pumps were for a challenging project, both the design work and the tight deadline, but one that Amarithh was once again trusted to deliver on by a world leading producer."