



## Amarinth Delivers API 685 Magnetic Drive Pumps

08 September 2020

Amarinth has delivered an API 685 Magnetic Drive horizontal pump to Sensia for an offshore oil rig in the Norwegian North Sea. The Edvard Grieg oil field is situated approximately 150km off the Norwegian south-west coast with a water depth of 110 meters. Sensia was supplying a sampling and monitoring skid for the oil rig operating in the field but was finding it difficult to fit a standard API 610 horizontal pump with a Plan 53B seal support system in the extreme space restrictions of the platform.

The Sensia monitoring equipment takes a sample from the main process line and so the duty of the pump and the sealing of the process fluid was critical. Amarith started thinking more laterally about how it could reduce the systems overall footprint whilst retaining the same essential centrifugal pump design. After evaluating several options, Amarith proposed using one of its API 685 magnetic drive pumps in place of the original API 610 pump and Plan 53B seal support system.

Using an Amarith API 685 magnetic drive pump, the exact same duty of the original API 610 pump could be delivered, which was crucial for the Sensia equipment to work correctly, but in a much more compact design that could fit within the space constraints of the rig. The API 685 magnetic drive pump was manufactured in superduplex stainless steel to NORSOK M650 specifications and Amarith manufactured, and delivered the pump within 28 weeks, including the witness testing.

Oliver Brigginsshaw, Managing Director of Amarith, commented: "One of Amarith's core strengths is its design capability and agility for just these sorts of challenging applications. We were delighted to be able to deliver our API 685 solution to Sensia for this demanding project and look forward to working with them on future projects as they deliver automation solutions to the oil & gas industry around the world."