

Ruhrpumpen delivers API 674 pumps to Maloney Metalcraft for Gas Dehydration Package in Algeria



Maloney Metalcraft

Maloney Metalcraft are designers and fabricators of high quality, high specification, bespoke packaged upstream equipment for petroleum production, gas processing, produced water treatment and aftermarket parts and services.

The company has over 250 years combined experience, 170 years of the forefront of design and manufacture of specialist vessel, pipe and packaged equipment delivers total solutions from initial concept design through to manufacture, commissioning, installation and after sales support.



Timimoun Field Development Project

Algeria is the world's largest natural gas producing country and the Timimoun Field Development Project is located 800km southwest of the capital, Algiers. The project is a JV between Sonatrach, Total, and Cepsa.

This non-conventional gas project will ultimately include 40 wells, a gas gathering system, central gas processing facilities, and a connection to the export pipeline and is expected to produce 1.6 billion cubic meters per year of natural gas over eight years.

Compact footprint

Maloney Metalcraft, under contract to Samsung, designed and manufactured the Gas Dehydration Package for the Timimoun Field Development Project. The Gas Dehydration Package prevents hydrate formation during the production process, reducing corrosion problems and protecting downstream equipment.

Pumps were required to force glycol under high pressure into the contactor where the water vapour is extracted from the gas, but they had to be contained within a compact footprint to fit within the design for the Gas Dehydration Package. Furthermore the pumps were required on a tight 20 week schedule to enable Maloney Metalcraft to meet its project deadlines.

Bespoke packaged solution

Ruhrpumpen was awarded the contract by Maloney Metalcraft following a competitive tender and in part due to the company's technical support and responsiveness. To meet the challenging specification, Ruhrpumpen selected its reliable RDP 70 Series API 674 3rd edition triplex pumps which have been proven in numerous gas dehydration applications, and packaged the pumps with a bespoke vertical gearbox arrangement to fit within the available space.

On-time delivery

Ruhrpumpen worked closely with Maloney Metalcraft during the design and manufacture of the pumps paying close attention to every detail of the design. The project was concluded successfully with an on-time delivery of the pumps ready for commissioning into the Gas Dehydration Package in the UK before its dispatch to Algeria.