

News

Amarinth wins efficiency award

23 July 2013

Amarinth awarded Technology Strategy Board grant to develop energy efficient centrifugal molten sulphur pump

Amarinth, a company specialising in the design, application and manufacture of centrifugal pumps and associated equipment to the Oil & Gas, petrochemical, chemical and industrial markets, has been awarded a £250,000 grant from the UK's innovation agency, the Technology Strategy Board to invest in the further development of a design and production process to produce highly energy efficient pumps and leverage this work to launch an energy efficient molten sulphur pump for the petro-chemical industry.

Amarinth has been working for some time on developing a cost effective and rapid process for the design and manufacture of bespoke best efficiency point (BEP) optimised impellers that can be produced on short lead times and at an acceptable commercial cost for use in industrial pumping applications. The centrifugal pumps used throughout industry are often a 'best fit' selection for a given application from a standard range of pumps and the majority of pumps in use today do not run at their BEP and energy inefficiencies of up to 25% can often be found.

Work undertaken by Amarinth to date has proven that being able to provide optimised impellers will reduce annual CO2 emissions in the company's target market by 17,000 tonnes by 2020 and 110,000 tonnes by 2050.

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Centrifugal pump manufacturer Amarinth has secured new orders worth US\$5.5 million from the National Petroleum Construction Co (NPCC) in Abu Dhabi.

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