



FOR IMMEDIATE RELEASE – 31 January 2011

**Amarinth welcomes leading Austrian engineer
to its Carbon Trust project**

Amarinth, a leading company specialising in the design, application and manufacture of centrifugal pumps and associated equipment to the industrial, chemical and petrochemical industries, welcomes Austrian Helmut Benigni, a leading engineer in the field of optimising pump performance, to work alongside the company on its high profile Carbon Trust project to develop a high efficiency centrifugal pump.

Dipl. Ing., Dr.techn. Helmut Benigni has been seconded from the Institute of Hydraulic Fluid Machinery at Graz University of Technology, Austria, to the Process Engineering Group in the School of Engineering at Cranfield University. He brings an in-depth expertise in pumps and hydro-turbines gained during his ten years at Graz University of Technology where he worked on many forms of roto-dynamic pumps. His projects have included paper stock and process pumps through to 750MW pumped storage units for hydro-electricity schemes.

Whilst in the UK, Dr Benigni will work with forward-thinking pump and process engineers on a variety of projects and issues that currently either impede or degrade optimum pump performance. His main focus however, will be working with Amarith on the Carbon Trust project the company initiated in 2009 to develop a new process for manufacturing impellers optimised for best efficiency point to better match the pumps to the customer's duty point.

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Dr Benigni will be applying his methods and experience in Computation Fluid Dynamics (CFD) working alongside Amarith engineers developing practical design methods for maintaining stable characteristic curves in a modular range of high operating efficiency, low NPSH pumps.

Oliver Briggingshaw, Managing Director of Amarith commented: “We are delighted to welcome Dr Benigni to the UK and look forward to working with him and sharing expertise as we move towards our project aim of significantly reducing the carbon footprint of pumps.”

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OPTIONAL PANEL or BOX ITEMS



Dr Helmut Benigni

NOTES TO EDITORS:

Founded in 2002, Amarith has harnessed the skills, creativity and passion of people who have worked in the pump industry for many years. Amarith delivers world-leading expertise in the design, application and manufacture of centrifugal pumps and associated equipment to ISO, ANSI & API standards, primarily for the industrial, chemical & petrochemical markets. Their portfolio includes:

- **Pumps:** Horizontal and vertical API 610 pumps, chemical and industrial pumps, many of which are interchangeable with the Girdlestone pump ranges, eliminating the need for expensive modifications when replacements are required.
- **Pressure Vessels:** Protect System Plan 52 and 53A and 53B sealant systems with inbuilt condition monitoring for pumps and mixers that are suitable for Safe area up to Zone I.
- **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 manufactured for Spirax Sarco incorporating the innovative Ci-Nergy intelligent variable speed control system, plus bespoke packages & skids built to order.
- **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, any time, anywhere in the world.

The company operates globally from its base in Rendlesham Suffolk, United Kingdom and has a customer base of world-leading companies, including BP, Shell, ExxonMobil, GlaxoSmithKline, Pfizer, Spirax Sarco, Diageo, AMEC, Fluor and Halliburton.

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