

Hydrogen added to focus for Armstrong Industrial's gas offering

With growing global demand for natural gas, and a move towards hydrogen as a green power source, [Armstrong Fluid Technology](#) has a dedicated division called Armstrong **Industrial: Gas** that brings energy-efficient pumping solutions to a range of industry sectors.

According to Michael Cline, general manager of Armstrong Industrial, the company's modular packaged engineering solutions offers high quality innovations for heat management in natural gas networks, green hydrogen production and hot water process loops. Many data centre operators, for instance, are wanting to move over to hydrogen for cleaner energy – which they are considering producing on site.

“Armstrong's depth of capabilities in highly accurate chilled water temperature management in a Balance of Plant design allows us to contribute to greater production efficiencies in the emerging market of green hydrogen production,” explained Cline.

He noted that the scope for the development of the hydrogen sector in Europe was particularly exciting, driven by a high level of governmental intervention in the European Union for carbon abatement.

“We have positioned Armstrong **Industrial: Gas** to contribute to exciting evolving markets in the hydrogen infrastructure space,” said Cline. “We bring strong technical capabilities to support hydrogen production, distribution and storage, as well as emerging industrial hydrogen applications like steel production.”

The market was looking for value addition in both their capital and operating expenditure, which Armstrong **Industrial: Gas** was set up to deliver – in terms of plant process reliability, leading temperature management technology, system controls and modularity.

Gas turndown systems

He highlighted that the company has also developed a natural gas turndown system which differentiates its offering in the energy and gas utility sector – focused on solutions in the field of gas distribution. These systems are important for managing gas temperature during pressure reduction in gas distribution channels, allowing for best-in-class energy efficiency as the system matches output to fluctuating demand.

In addition to gas production and gas distribution, Armstrong **Industrial: Gas** focuses on hot water process circuits such as district heating and process heat applications – as well as thermal power generation, industrial plant gas feeds and industrial hot water process management.

“We also build pre-packaged solutions including modular boiler systems from 100kW to greater than 20 MW,” he explained. “These can be installed in existing enclosures or supplied in fully engineered-to-order boiler houses which can simply be delivered to site and connected up to the network.”

Decarbonise while reducing costs

Cline said the company's pumping solutions drive sustainability through their energy efficiency and demand-based control systems, allowing customers to decarbonise their operations while reducing costs.

The line-up of Armstrong Industrial's solutions for industrial gas-related markets includes gas distribution, green hydrogen production, industrial hot water, energy upgrades, full service packages and offsite monitoring – which are conveniently available through the single channel provided by Armstrong **Industrial:**

Gas.

90-year legacy

He highlighted Armstrong Fluid Technology's 90-year legacy of innovation, and its focus on fluid flow, energy transfer, demand-based automation and digitalisation to continuously optimise the performance of pumping and flow solutions.

"We bring whole systems together, to unite our customers' equipment's performance for better results," he explained. "This allows our Armstrong **Industrial: Gas** team to develop and fine-tune customers' operations to be both cost-effective and energy efficient while reducing carbon emissions."

Armstrong's global success gives Armstrong **Industrial: Gas** a broad international footprint, with a presence in Asia Pacific, the United Kingdom, Europe, the Middle East, Africa, North America and India. Leadership in all these regions – reporting into Armstrong Industrial's global sales manager Ian Holland – give the market easy, single channel access to quality cost-effective solutions.