



Media release

Schaffhausen

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Opening the door to the engine room: GF Piping Systems launches HEAT-FIT, the innovative fire-retardant pipe jacket system

With the launch of HEAT-FIT at Seatrade Cruise Global in Miami on 26 April 2022, GF Piping Systems brings lightweight, corrosion-free, and efficient thermoplastic piping systems to essential applications onboard. The company now offers complete solutions for the maritime industry – from potable water and HVAC installations all the way to the engine room.

The maritime industry is increasingly looking toward thermoplastic piping systems to meet more stringent sustainability targets due to their low weight, modern and long-lasting insulation techniques, and material properties that can make ships more efficient while simultaneously reducing costs. With the newly developed HEAT-FIT Jacket System, GF Piping Systems now offers a solution that introduces thermoplastic piping systems into essential applications (L3) onboard cruise ships, merchant vessels, and offshore platforms. L3 applications have especially high-security standards, including fire protection.

HEAT-FIT is compatible with the ecoFIT range of polyethylene pipes and fittings designed for industrial applications and water and wastewater treatment. The new pipe jacket system consists of two layers of thermoplastic polyurethane (TPU) which enclose a high-temperature fiberglass fabric and an intumescent coating. Thanks to these proven materials, which are also used by the aerospace and building technology sectors, the ecoFIT pipes and fittings can now withstand fire with a temperature of up to 1000°C for 30 minutes at a pressure of 3 bar when combined with HEAT-FIT. In addition, HEAT-FIT is only 3,5 millimeters thick and can easily be installed without any specialized skills within minutes – and remain in service for many years. Therefore, customers can quickly and easily replace existing metal pipe networks with lightweight, corrosion-free, and efficient plastic alternatives that adhere to security standards such as the IMO Res. A753 fire endurance L3 Code, as well as IMO Res. A653 2010, FTP Code Part 5 and Part 2.

Andreas Faude, Product Manager - Marine Applications at GF Piping Systems, sees HEAT-FIT as an important addition to the company's product range. "We have successfully combined cutting-edge technology, cost-effectiveness, and usability to adapt thermoplastics for L3 applications onboard. Customers can now implement our plastic components throughout the entire ship, which means we can now offer complete solutions that simplify the planning and installation process."

And for Roberto Chiesa, Head of Business Development Marine at GF Piping Systems, the pipe jacket system is only the beginning of HEAT-FIT. "Looking towards the future, we want to evolve HEAT-FIT into a broader product line based on customer feedback. It is important to have a diverse product mix and offer the expertise that addresses the specific needs and challenges throughout the maritime industry."

To be among the first to learn more about HEAT-FIT, please visit: www.gfps.com/heat-fit

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About GF Piping Systems Ltd.

As the leading flow solutions provider for the safe and sustainable transport of fluids, GF Piping Systems creates connections for life. The division focuses on industry-leading leak-free piping solutions for numerous demanding end-market segments. Its strong focus on customer-centricity and innovation is reflected by its global sales, service, and manufacturing footprint and its award-winning portfolio, including fittings, valves, pipes, automation, fabrication, and jointing technologies.

GF Piping Systems has its own sales companies in 31 countries, which means it is always by its customers' side. Production sites in 36 locations in America, Europe, and Asia ensure sufficient availability and quick, reliable delivery. In 2021, GF Piping Systems generated sales of CHF 1'971 million and employed 7'686 people. GF Piping Systems is a division of Georg Fischer AG, founded in 1802 and headquartered in Schaffhausen, Switzerland.

www.gfps.com

Pictures

The HEAT-FIT Jacket System was subjected to a variety of fire tests.

Source:
GF Piping Systems



Andreas Faude, Product Manager GPM Systems at GF Piping Systems presenting the innovative HEAT-FIT Jacket System.

Source:
GF Piping Systems