



Media release

Schaffhausen

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Nor-Shipping 2022: GF Piping Systems presents new energy efficiency study conducted with Foreship

Swiss flow solutions expert GF Piping Systems will display results from a new study which shows how plastic piping systems in HVAC applications can make passenger ships more efficient and sustainable. The presentation will take place on April 5th at 14:00, at room E1.

How can shipbuilders and shipowners lower their CO₂ emissions and fuel consumption while saving costs at the same time? The entire marine industry is faced with this question in the search for technical solutions that make shipping more sustainable. For this reason, GF Piping Systems decided to conduct an energy efficiency study in collaboration with Foreship, an international ship design and engineering company. The study compares pre-insulated plastic piping with traditional post-insulated steel piping in an air conditioning cooled water system onboard a simulated cruise ship. The results will be presented at Room E1 by Roberto Chiesa, Head of Business Development Marine at GF Piping Systems

The study was conducted in three phases: In the first phase, the energy consumption of a baseline steel piping system was compared to the polyethylene COOL-FIT system by GF Piping Systems. In the second phase, the results of this comparison were used to determine fuel savings, emissions reductions as well as cost-effectiveness. And in the last phase, the study compared the values for the Energy Efficiency Existing Ship Design Index (EEXI) and the Carbon Intensity Indicator (CII).

Roberto Chiesa is looking forward to presenting the results: "Nor-Shipping 2022 is about taking positive action to find sustainable solutions for our industry. It is therefore the perfect setting to talk about our energy efficiency study as the findings show how even small optimizations like the right piping material can have far-reaching positive effects for the entire ship."

GF Piping Systems will also display its cutting-edge sustainable piping systems for the marine industry at Nor-Shipping in Hall D, booth D D04-20. Experts will answer questions regarding energy savings and around piping systems for the marine sector. These include solutions for fresh cold and hot water, sewage, air conditioning and drinking water. As an expert for plastic piping systems and a sustainability leader, GF Piping Systems aims to make water and HVAC applications onboard ships safe, cost-effective, maintenance-free, and more hygienic.

To attend, come visit Nor-Shipping, April 5th, 14:00 CET, room E1 or visit:

www.gfps.com/nor-shipping

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GF Piping Systems

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

	Cruise ships need to decrease the CO2-footprint. Source: M.Perfectti – stock.adobe.com
	Energy efficiency study by GF Piping Systems in collaboration with Foreship: Pre-insulated plastic vs. post-insulated steel piping on board cruise ships. Source: GF Piping Systems