Media Release

Schaffhausen

1 October 2025

Design Smarter. Build Better: New webinar series explores polymers in ship and offshore piping systems

For almost 40 years, Swiss flow solutions provider GF has been a trusted partner for thermoplastic piping systems in the marine industry, from pipes and fittings to measurement, control, automation, and jointing equipment. GF created the "Design Smarter. Build Better." webinar series to give designers and engineers an introduction into the planning and installation process of polymers on board. All five episodes are available on-demand starting 1 October 2025.

With the maritime industry under increasing pressure to improve efficiency, cut emissions, and extend asset lifetimes, materials are playing a decisive role in the design of next-generation ships and offshore installations. Polymers, long established in secondary systems, are increasingly being implemented in critical piping applications thanks to their lightweight, corrosion-resistant, and cost-efficient properties.

To support engineers and designers in navigating this material shift, GF, together with experts from DNV and Roxtec, has launched the on-demand webinar series "Design Smarter. Build Better.". The five-part program is aimed at naval architects, FEED consultancies, and shipyards looking to understand how to integrate polymers into marine and offshore piping systems.

Across the series, host Paul Jolley, Business Development Manager Floating Wind & Offshore at GF, will speak to industry specialists about the unique demands of implementing polymers on board, including:

- The history of these materials as an alternative to metal in shipbuilding and their evolution from secondary to essential L3 applications.
- Key design considerations such as material selection, chemical resistance, and stress analysis.
- Current trends and challenges of type approvals, standards, and testing requirements.
- Practical aspects of installation, jointing technologies, and pipe sealing on board.

Host Paul Jolley comments on the launch: "Polymers use in the industry is established and increasing. Therefore, as Naval Architecture firms and FEED consultancies recognize the incredible potential of these materials, designers are looking for guidance on how to get the most out of thermoplastic piping systems. Across five episodes, we want to answer some of the questions we regularly receive about polymers and empower maritime professionals to design smarter and build better."

Access all five episodes of the "Design Smarter, Build Better"- Series on demand here.

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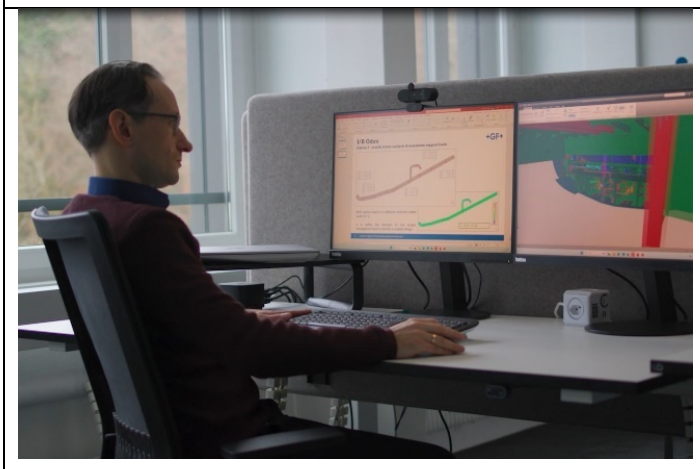
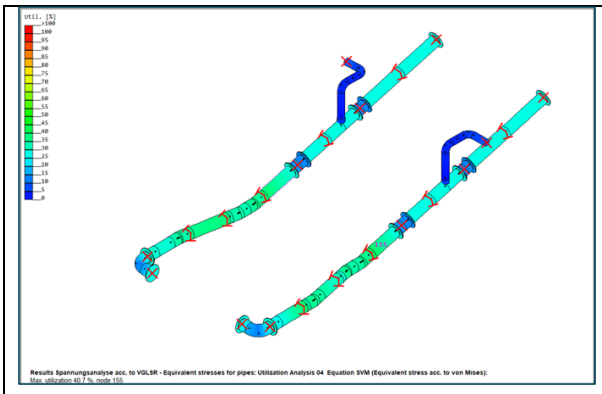
Corporate Profile
GF, with a rich history in industrial innovation since 1802, is actively reshaping itself to become the global leader in Flow Solutions for Industry, Infrastructure and Buildings. GF delivers Excellence in Flow by providing essential products and solutions that enable the safe and sustainable transport of fluids worldwide. As part of its strategic transformation, GF divested GF Machining Solutions on 30 June 2025 and has signed an agreement to divest its GF Casting Solutions division. Headquartered in Switzerland, GF employs about 15'700 professionals and is present in 46 countries. In 2024, GF generated sales of CHF 4'776 million. GF is listed on the SIX Swiss Exchange.
www.gfps.com

Pictures

	Experts from GF, DNV, and Roxtec share insights on how polymers are transforming marine and offshore piping – part of the "Design Smarter. Build Better." webinar series. Source: GF
	Turning theory into practice: engineers will learn how to design and implement polymer piping systems for safe, efficient, and sustainable performance at sea. Source: GF

		From concept to detail: advanced polymer piping design enables lighter, more durable, and corrosion-free solutions for ships and offshore infrastructure. Source: GF