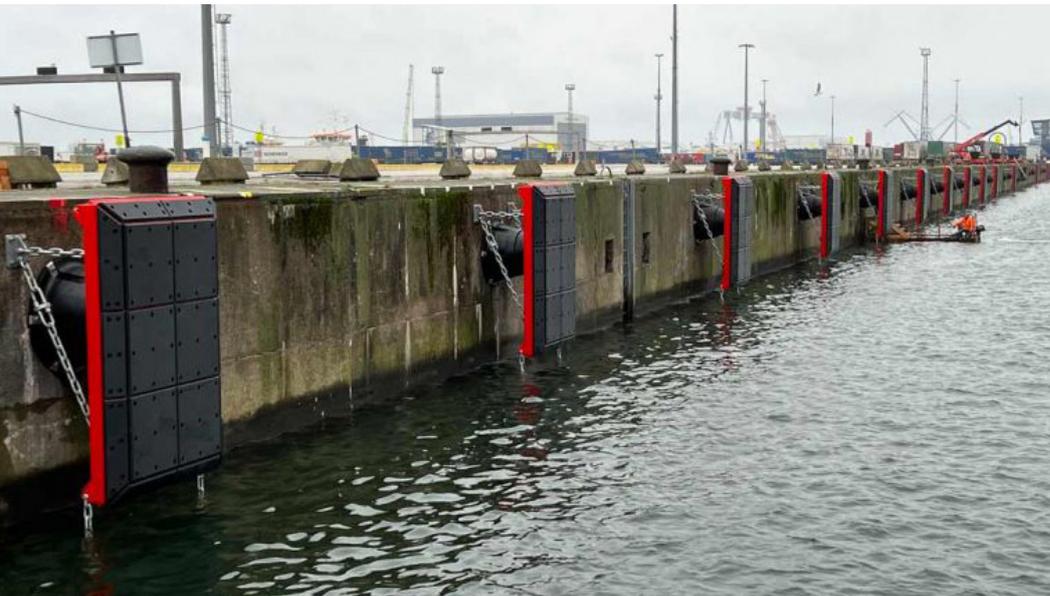


Local Manufacturing Approach

Refurbishment in Port of Rostock, Germany



Application
Bulk Terminals

Type
SPC Cone Fenders

Date 2024

Reference 5694

A CLOSER LOOK AT THE CASE

The Port of Rostock, the only deep-sea port along the German Baltic Sea coast, serves as a major hub for intermodal traffic in the southern Baltic region. Strategically located, the port has evolved over centuries, adapting to changing trade routes and conditions. A large refurbishment was carried out, involving several quays to **standardize and modernize the existing fender systems**, ensuring the port met all safety and quality standards.

SFT was commissioned to undertake the comprehensive task of designing, manufacturing, delivering, and installing 59 sets of Cone Fenders (SPC 800, G3.1), with closed-box steel panels (2000x3000 mm) and UHMW-PE sliding plates, 50 mm thick each.

Project Scope

- ▶ 59 Cone Fender Systems (SPC 800, G3.1) with closed-box steel panels (2000x3000 mm) and UHMW-PE sliding plates

CHALLENGE AND SOLUTION

The purpose of Rostock Port's refurbishment was to standardize the fender systems across all quays, requiring uniformity. SFT's in-house engineering team developed **an individual and custom fender solution for the Port of Rostock**. A standardization that was advantageous for managing spare parts and ensures efficient maintenance.

The steel panels were **manufactured for the project at SFT's own production facility in Rechlin, Germany**. This local approach was crucial for the client, who was able to closely review and inspect each production step, from the welding process to the final coating of the steel panels with a special BAW Paint System. It also avoided any supply chain issues caused by the global shipping situation and allowed for weekly deliveries, reducing the need for extensive storage space at the port site.

Additionally, our engineers addressed a **unique design challenge**: birds often perched on the fenders, causing paint and rubber deterioration. To solve this, we created an angled profile for the steel panels to prevent birds from landing. This individual adjustment ensures better material performance, eases maintenance, and extends the lifespan of the fenders.



LP 51 | Rostock | Germany

SFT's commitment to comprehensive support, from consultation through to manufacturing, set us apart as a **trusted partner in the marine industry** to provide a safe and reliable custom solution for the Port of Rostock.



The local manufacturing approach for steel parts and the need to standardize the fender system across all quays are key aspects of this modernization project. Explore more SFT Case Studies or Contact Your Nearest Office.

