

Guiding Foam Fenders

The Joubert Dock, Nantes, France



Application
Locks & Shipyards

Type
Pneumatic Fenders, Foam Fenders

Date 2024

Reference 0159

A CLOSER LOOK AT THE CASE

Nantes – Saint Nazaire Port, located on the French Atlantic coast, upgraded its facilities to accommodate larger vessels, including the MSC World Class cruise liners built nearby. Its famous Joubert dock, also known as the “Normandie lock,” provides access from the Loire River to **the port’s main basin** but can also be drained to function as **a drydock for the maintenance and construction of large vessels.**

With its 50-meter width, the lock presented a unique challenge for the massive 333-meter-long and 47-meter-wide MSC World America, **requiring the installation of specialized fender systems.** To ensure safe operations at the Joubert dock, ShibataFenderTeam partnered with constructor Chantier de l’Atlantique and Saint-Nazaire Port to design and deliver a custom solution.

Project Scope

- ▶ 5 Rolling Foam Fenders (2000x1500 mm)
- ▶ 12 V Fender Systems (SX-P 1000x3000 mm, G1.0)
- ▶ 17 Pneumatic Fenders (3300x6500 mm and 2000x3000 mm)

CHALLENGE AND SOLUTION

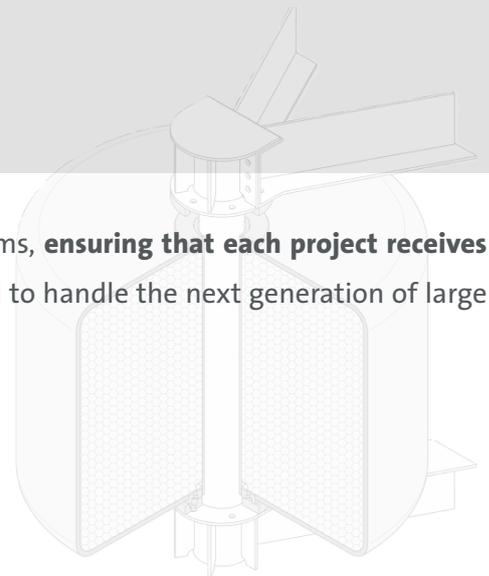
SFT's in-house engineering team customized the Guiding Foam Fenders and their fixing system **to withstand the strong winds that large vessels often encounter**. These robust fenders are designed to absorb the vessels' impact while effectively guiding them through the confined space. Once the vessels are properly aligned, the SX-P Fenders equipped with PE-UHMW sliding plates, **ensure they maneuver smoothly through the Joubert dock**.

Finally, to accommodate vessels of different sizes accessing the port, it was essential to have fenders in different sizes with the needed energy absorption readily available. Our team selected and customized **Pneumatic Fenders in various sizes, chosen for their versatility, durability, and ease of storage**.



Locks & Shipyards | Saint-Nazaire | France

At ShibataFenderTeam, we provide a wide range of custom fender systems, **ensuring that each project receives the most suitable solution**. Saint-Nazaire Port is now ready and equipped to handle the next generation of large vessels.



The unique solution, comprising three different types of fenders, ensures the safe passage of large vessels to the main basin of the French port. Explore more SFT Case Studies or Contact Your Nearest Office.

