

Large Panels, High Chamfers

Terminals de Bouzas, Port of Vigo, Spain



Application

Ferry & RoRo Terminals

Type

SPC Cone Fenders

Date 2024

Reference 0176

A CLOSER LOOK AT THE CASE

Located in north-west Spain, the Port of Vigo is a natural harbor featuring 14,000 hectares of sheltered waters, protected by surrounding islands and peninsulas, allowing it to operate 365 days a year. In 2023/2024, the port undertook **significant improvements to the berthing systems at two of its terminals to accommodate larger vessels.**

At the Bouzas Terminal, a **key hub for Ro-Ro traffic** and one of Spain's leading terminals for new vehicle transshipment, ShibataFenderTeam delivered 14 sets of Cone Fenders (SPC 1200, G2.7) with closed-box steel panels (2000x4800 mm) and UHMW-PE sliding plates for the largest ramps, Ramps 5 and 6. Meanwhile, at the **Cruise Terminal**, 12 sets of V Fenders (SX 800 x L 2000 mm) and a 250-ton bollard were installed to support the recently extended 700-meter berthing line, which is capable of accommodating two of the world's largest cruise ships simultaneously.

Project Scope

- ▶ 14 sets of Cone Fenders (SPC 1200, G2.7) with closed-box steel panels (2000x4800 mm) and UHMW-PE sliding plates
- ▶ 12 sets of V Fenders (SX 800 x L 2000 mm)
- ▶ 1 Bollard, 250t capacity

CHALLENGE AND SOLUTION

To ensure the steel panels withstand heavy-duty beltings from Ro-Ro vessels, large 500 mm-high chamfers were incorporated into the design to prevent beltings from getting stuck on or below the panels, thereby enhancing the durability and performance of the fender system.

Additionally, although the port benefits from a sheltered location, **the wide and unavoidable tidal ranges of the Atlantic Ocean influenced the panel design.** The SFT in-house engineering team designed the panels exceptionally high to provide consistent energy absorption under fluctuating water levels.

Finally, in spite of the challenges posed by the Red Sea crisis, the project was delivered on time, thanks to the expertise of our logistics team at the Spanish office.



Terminal de Bouzas | Vigo | Spain

ShibataFenderTeam is proud to have supported the Port of Vigo in enhancing its berthing operations. Projects like this, along with our upcoming new facility in Valencia, highlight our ongoing commitment to serving the Spanish market and supporting its maritime infrastructure.

14 Cone Fender systems with large closed-box panels and 12 V Fenders ensure safe berthing at the Bouzas Ro-Ro and Cruise Terminals at this major Spanish port. Explore more SFT Case Studies or Contact Your Nearest Office.

