

Precision Beyond the Standard

DP World Callao – Muelle del Bicentenario, Perú



Application
Container Terminals

Type
SPC Cone Fenders

Date 2024

Reference 1292

A CLOSER LOOK AT THE CASE

The Port of Callao in Lima saw its South Terminal, operated by DP World, transformed in recent years with the construction of Muelle del Bicentenario. The addition of 400 meters to the terminal extended its total length to 1,050 meters, making it the longest in the country. This expansion allows the **South Terminal to service up to three vessels simultaneously, including two vessels of up to 400 meters in length**, making then the only terminal in the country able to handle this size. Mota-Engil, the contractor awarded the terminal project, commissioned SFT to equip the new extension quay with fender solutions. We designed, manufactured, delivered, and tested 22 sets of Cone Fenders (SPC 1300, G2.9), with closed-box steel panels (2300x4850 mm) and 40 mm thick UHMW-PE sliding plates. The project scope also included 22 T-Head bollards with a capacity of 150 tons.

Project Scope

- ▶ 22 Cone Fender Systems (SPC 1300, G2.9), with closed-box steel panels (2300x4850 mm) and UHMW-PE sliding plates 40 mm thick
- ▶ 22 T-Head Bollards capacity 150t

CHALLENGE AND SOLUTION

The specific requirements of this project demanded a **custom design and manufacturing approach**:

- ▶ Our in-house engineering team designed a solution comprised of Cone Fenders with a **strict tolerance of +/-5%, exceeding the industry's standard** of +/-10%. The fenders were also designed to have a minimum service life of 20 years to support the terminal's goal of carbon neutrality by 2030 through reduced replacements.
- ▶ This precise tolerance was ensured through **meticulous quality control during manufacturing** at our fully owned compound and mixing facility in Malaysia. The process concluded at the same facility with the rigorous testing of the fenders to confirm the tighter tolerances.



DP World Terminal Muelle del Bicentenario | Callao | Peru

As the leading fender manufacturer with solid experience in the maritime sector, SFT demonstrates its capability to offer solutions that provide **precision beyond industry standards**. The Muelle del Bicentenario project strengthened the Port of Callao's position as a key logistics hub and strategic point for the country's foreign trade; we are proud to have contributed to it with our products and services.

The new pier, the only one in the country designed to handle the world's largest vessels, strengthened the Port of Callao's role as a leading logistics hub in the region. Explore more SFT Case Studies or Contact Your Nearest Office.

