

Panel Contact Optimization

Thunderer Jetty, London, United Kingdom



Application
Oil & Gas Terminals

Type
Parallel Motion Fenders

Date 2024

Reference 0170

A CLOSER LOOK AT THE CASE

Originally built in the early 1900s, Thunderer Jetty is located on the banks of the Thames in Dagenham, East London, an area with long-established historic industrial character. After years of minor renovations, it underwent a **complete refurbishment of the existing berth structure**, including the construction of a replacement jetty approach, breasting dolphins, mooring dolphins and a new loading platform.

Due to the structure's nature and the variety of vessel sizes berthing at the jetty, the consulting company responsible for the design of the project was seeking a solution that would result in very low hull pressures and avoid any possible double-point contacts with the vessel. Working in close collaboration with them, **SFT's in-house engineering team wisely advised selecting PMF fenders**, a proposal that was eventually adopted for the final design.

Project Scope

- ▶ 2 Cone Fenders Systems (SPC 1100) with large closed box steel panels (2250 x 9930 mm)
- ▶ 2 Fender Panels (2100 x 9930 mm)
- ▶ 8 Bollards with various capacities

CHALLENGE AND SOLUTION

The installation of the solution posed a twofold challenge. Firstly, there was the need to execute the works in various phases, while ensuring **the terminal remained operational throughout the project.**

Secondly, there was the **complexity of working with these large PMFs.** For the former, the SFT sales and logistics teams worked thoroughly to meet the demanding schedule; for the latter, the contractor decided to assemble and install the fenders onto the dolphin' heads at a steel construction facility in the South of England and ship them out from there to the job site along the river.



Thunderer Jetty | London | United Kingdom

This refurbishment project at Thunderer Jetty – used for storage services for fuel, biobased feedstock, and renewables – has **extended the facility's lifespan by an additional 40 years and upgraded it to meet the latest safety and environmental standards.** We at the SFT Group are proud to have contributed to both goals.

The refurbishment of the existing berth structure now includes a replacement jetty approach, breasting dolphins, mooring dolphins and a new loading platform. Explore more SFT Case Studies or Contact Your Nearest Office.

