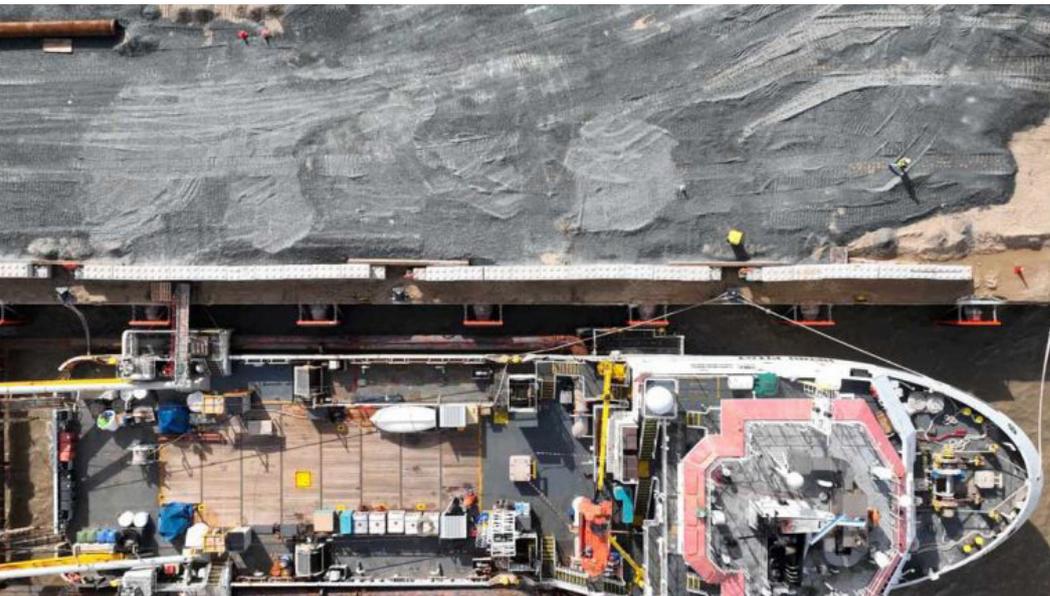


Consistent Energy Absorption

Vreed-en-Hoop, Georgetown, Guyana



Application
Multipurpose Terminals

Type
SPC Cone Fenders

Date 2024

Reference 1279

A CLOSER LOOK AT THE CASE

Located on the West Bank of the Demerara River, Guyana, the new Port of Vreed-en-Hoop is a public and private project set **to improve the country's nautical accessibility**. It was developed in two phases, ultimately spanning 400 hectares and including a shipyard, fabrication yards, facilities for oil and gas, a container terminal, and a liquid bulk terminal.

To equip this new infrastructure, ShibataFenderTeam supplied 20 Double Cone Fender Systems, each comprising two Cone Fenders (SPC 900, G3.1) and a large closed-box panel (2300x5000 mm) with UHMW-PE pads. Additionally, we provided 8 Steel Ladders and 12 T-Head Bollards, each with a capacity of 200 tons.

Project Scope

- ▶ 20 Double Cone Fender Systems consisting of 2 Cone Fenders (SPC 900, G3.1) and 1 closed-box panel (2300x5000 mm) with UHMW-PE pads
- ▶ 12 T-Head Bollards capacity 200t
- ▶ 8 Steel Ladders

CHALLENGE AND SOLUTION

The **tidal range of the area**, with nearly 3.5 meters between low and high tides, influenced the design of the fender systems.

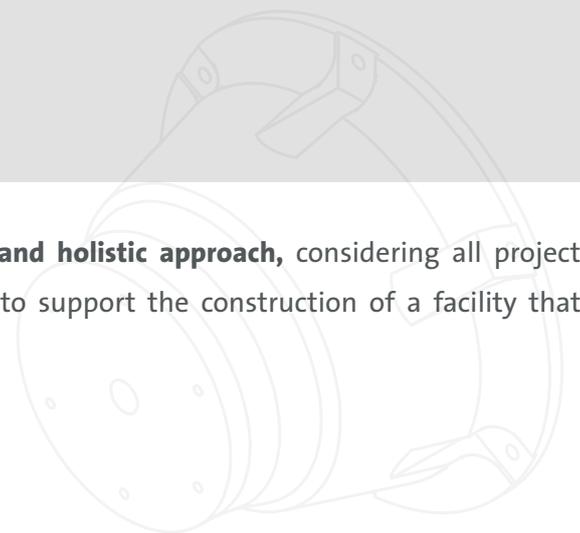
ShibataFenderTeam's in-house engineering team customized a Double Cone Fender system with long, **5-meter-high panels to ensure consistent energy absorption** and optimal functioning of the fenders, regardless of sea level fluctuations.

The contractor's emphasis on **quality testing and certification played a crucial role** in selecting ShibataFenderTeam as a partner for this project. Our distinctive in-house manufacturing process at our state-of-the-art facility in Malaysia, equipped with cutting-edge machinery for rubber fender testing, met the contractor's stringent requirements.



Port of Vreed-en-Hoop | Georgetown | Guyana

At ShibataFenderTeam, we are proud to provide our **expertise and holistic approach**, considering all project conditions, components and design, as well as manufacturing, to support the construction of a facility that **positively impacted the local community**.



The 20 Double Cone Fender Systems and 8 Steel Panels are installed at the Port of Vreed-en-Hoop, ensuring smooth port operations and adhering to strict quality standards. Explore more SFT Case Studies or Contact Your Nearest Office.

