



Rubber specification guarantees quality for DP World's Flagship Jebel Ali Port in Dubai

Jebel Ali Port, owned by DP World, UAE Region, is the world's largest man-made harbor and the biggest port in the Middle East. As the world's ninth largest container port, it plays a vital role in serving the global markets.

Challenge

During the refurbishment of Quay Four at Jebel Ali's Terminal 1, DP World wanted to ensure they could verify the quality of the rubber used in the fender systems for the berths. As such, it was necessary to understand and build rubber quality parameters into the specification, to protect the port from the risk of poor quality substitutes.

Solution

DP World built Trelleborg's rubber quality standards into their fender specification for the Quay Four refurbishment project at Terminal 1 of Jebel Ali Port in Dubai.

Trelleborg worked closely with DP World to ensure the quality specified was not only provided, but proven beyond doubt.

As part of the project, Trelleborg recommended DP World test the final fenders when they arrived on site or before shipping from the production facility, using an analytical test that would be built into all specifications.

In this case, DP World randomly selected fenders while visiting Trelleborg's manufacturing plant in Qingdao, China for further TGA testing to ensure continuity of quality throughout the production process.

Results

After working on the project with DP World since 2011, Trelleborg supplied 60 super cone SCN 1300 fenders to protect berths 18 and 19.



Hesham Abdulla, Container Terminal 1 Director, DP World, UAE Region, says: "Trelleborg was able to offer technical support across all parts of the system, from ensuring the rubber element would precisely meet specification, to chains and accessories. Their support and local presence meant that they were a natural choice to supply the project and thanks to their in-house manufacturing capabilities we could even have the solution personalized."

Personalization included the DP World logo on the unique UHMW PE face pads of the fenders.

Product Information

Trelleborg's Super Cone fenders (SCN) are the latest generation of 'cell' fenders, with optimal performance and efficiency. The conical body shape makes the SCN very stable even at large compression angles, and provides excellent shear strength. With overload stops, the SCN are even more resistant to over-compression.