Stop fender

The TTS stop fender has been developed to protect shore-based structures when a vessel is approaching its berth as well as ensuring the safety of the ship while moored. The stop fender is designed to maintain the longitudinal position of the ship while moored and is a key element in an automated mooring berth.

TTS
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The TTS stop fender has been designed to reduce the time spent positioning a ship while mooring, resulting in less time in port and an increase in the utilization of both the ship and the berth.

The device also clearly defines the ship's position in berth, enabling the management of optimal ramp angles for cargo transit, further increasing throughput.

The stop fender uses a hydraulic ram to manoeuvre between longitudinal positions, enabling different vessels to use the same berth.

The entire system is designed according to well-proven data on approach speeds as well as energy absorption criteria. Energy from a ship impacting the fender is absorbed via the hydraulic mechanism.