

Bollard Pull Test Tension Load Link

Industry: Maritime

Summary

Customer Challenge

A bollard pull test is a procedure used in the maritime industry to measure the pulling or towing capability of a vessel. A force measurement system is needed to measure the vessel's pulling power.

Interface Solution

Interface's WTSATL-JR Aluminum Compact Wireless Tension Load Link can be attached to the pulling line of the vessel and the bollard. Force results are wirelessly transmitted to the customer's PC using the WTS-BS-4 USB Industrial Base Station, or to the WTS-BS-HA Handheld Display for single transmitters.

Results

The customer determined the strength of the bollard when being pulled with Interface's products.

Materials

- WTSATL-JR Aluminum Compact Wireless Tension Load Link
- WTS-BS-1-HS Handheld Display for Single Transmitters
- WTS-BS-4 USB Industrial Base Station with Log100 software
- Customer PC or Laptop

How It Works

1. The WTSATL-JR Aluminum Compact Wireless Tension Load Link is attached to the pulling line connected to the vessel and bollard.
2. The vessel pulls on tension link, and its pulling force is captured.
3. Force measurements are transmitted to the WTS-BS-1-HS Handheld Digital Display for Single Transmitters and to the customer's computer or laptop through the WTS-BS-4 USB Industrial Base Station. With Log100 software, the customer is able to graph and log the data results.

