

Tugboat Towing Cable Monitoring Tension Link

Industry: Maritime

Summary

Customer Challenge

Tugboats are specialized vessels created for towing other ships or floating structures. These boats rely on cables or ropes to perform their towing tasks, but need to be tested and monitored to ensure safety and efficient towing operations.

Interface Solution

The WTSTL Wireless Tension Link Load Cell is attached to the cable of the tugboat used for towing operations. Force measurements are monitored and wirelessly transmitted to the WTS-HK-S Next-Generation Wireless Handheld, or on the customer's laptop through the WTS-BS-4 USB Industrial Base Station with USB enclosure using provided Log100 software.

Results

The customer is able to monitor the forces applied on the cables of their tugboats, ensuring it was strong enough to use. Thus minimizing the risk of accidents or damage.

Materials

- WTSTL Wireless Tension Link Load Cell
- WTS-HK-S Next-Generation Wireless Handheld
- WTS-BS-4 USB Industrial Base Station with USB enclosure, included Log100 software
- Customer PC or Laptop

How It Works

1. The WTSTL Wireless Tension Link Load Cell is attached at the end of the cable attached to the tugboat, monitoring its forces.
2. Force measurements are transmitted to the WTS-HK-S Next-Generation Wireless Handheld and to the customer's laptop through the WTS-BS-4 USB Industrial Base Station. With Log100 software, the customer is able to monitor, graph, and log the data results with this software onto their computer.

