

Mooring Line Tension Testing

Tension Link

Industry: Maritime

Summary

Customer Challenge

Due to the changing weather conditions, mooring cable lines undergo wear and tear. A customer wants to ensure all mooring lines for ships or vessels are securely locked at the same loading tension, so that they do not risk the mooring lines to breaking or causing damage.

Interface Solution

Interface's WTSTL Wireless Tension Link Load Cells can be attached to each mooring cable while in use. Results are sent to the customers through the WTS-BS-4 USB Industrial Base Station when connected to the customer's supplied PC computer or laptop. Data can also be transmitted to the WTS-BS-1-HA Handheld Display for Multiple Transmitters, giving the customer the option to view multiple mooring cable line tensions.

Results

The customer was able to verify the tensions to multiple mooring cable lines. Thus, their ship being safely docked.

Materials

- WTSTL Wireless Tension Link Load Cell
- WTS-BS-4 USB Industrial Base Station
- WTS-BS-1-HA Handheld Display for Multiple Transmitters
- WTS Toolkit and Log100 Software
- Customer PC or Laptop

How It Works

1. The WTSTL Wireless Tension Link Load Cell are attached to all mooring cables being tested.
2. Force measurements are transmitted wirelessly in realtime to the customer's PC or laptop through the WTS-BS-4 USB Industrial Base Station, or to the WTS-BS-1-HA Handheld Display for Multiple Transmitters.

