

Commercial Fishing Wire Rope Testing Tension Link

Industry: Maritime

Summary

Customer Challenge

A commercial fishing owner wants to measure the force tension of the wire fishing rope connected to the fishing cage or net when their vessel goes to catch. They want to ensure the wire rope is strong enough and safe enough to hold the maximum capacity of fish caught in the cage or net.

Interface Solution

Interface's WTSTL Wireless Tension Link Load Cell was attached between the end of the cable, and the end that hooks onto the fishing net. This tension link will be able to measure the forces of the full net of fish, or, a heavy load at maximum capacities. The data information can be transmitted to both the WTS-BS-1-HS Handheld Display for Single Transmitters, or to the customers computer laptop through the WTS-BS-4 USB Industrial Base Station.

Results

The customer was able to determine if the fishing cable on their vessel was strong enough to hold the fish cage or net at maximum capacity when out catching.

Materials

- WTSTL Wireless Tension Link Load Cell
- WTS-BS-1-HS Handheld Display for Single Transmitters
- WTS-BS-4 USB Industrial Base Station
- WTS Toolkit (graphing, logging, and set up software, included with WTS-BS-4)
- Customer PC Computer or Laptop

How It Works

1. The WTSTL Wireless Tension Link Load Cell is attached at the end of the wire fishing rope.
2. A heavy load that reaches maximum capacity for the wire rope, was added to the end of the WTSTL Wireless Tension Link Load Cell.
3. Force measurements are transmitted to the WTS-BS-1-HS Handheld Digital Display for Single Transmitters and to the customers computer or laptop through the WTS-BS-4 USB Industrial Base Station. With the WTS Toolkit (included with the WTS-BS-4) the customer is able to graph and log the data results with this software onto their computer.

