

Cable Logging Monitoring Tension Load Link

Industry: Natural Resources

Summary

Customer Challenge

In cable logging systems, the tension of the cables need to be monitored to maintain a safe working environment, and prevent any potential equipment damage. A system is needed to monitor the tension of the cables.

Interface Solution

Interface's WTSATL Lightweight Aluminum Wireless Tension Load Link is attached to the cables of the logging yarder, where tension forces are monitored. 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 the WTS Log100 Software, the customer is able to graph and log the data results with this software onto their computer.

Results

The logging company was able to monitor the tension of their cables on the logging yarder during logging operations to ensure a safe working environment.

Materials

- WTSATL Lightweight Aluminum Wireless Tension Load Link
- WTS-BS-1-HS Handheld Display for Single Transmitters
- WTS-BS-4 USB Industrial Base Station
- WTS Log100 Software (graphing and logging software, included with WTS-BS-4)
- Customer PC or Laptop

How It Works

1. The WTSATL Lightweight Aluminum Wireless Tension Load Link is attached to the cable line on the yarder.
2. Tension results are measured and monitored using the WTS-BS-1-HS Handheld Digital Display for Single Transmitters.
3. The customer can also graphic and log the results with included Log100 software onto their computer.

