Rescue Helicopter Hoist Test
Load Shackle

Industry: Aerospace

Summary

Customer Need / Challenge

A customer wants to test the strength of the cable line used in the hoist of their helicopter during rescue missions and situations. They want to see if both the cable and the hoist can withstand a heavy load safely, and for long periods of time while the helicopter is in flight.

Interface Solution

Interface's WTSSHK-D Wireless Crosby™ Load Shackle is attached to each mooring cable 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/ Laptop. Data can also be transmitted to the WTS-BS-1-HS Handheld Display for Single Transmitters, giving the customer the option to view mooring cable line tension.

Results

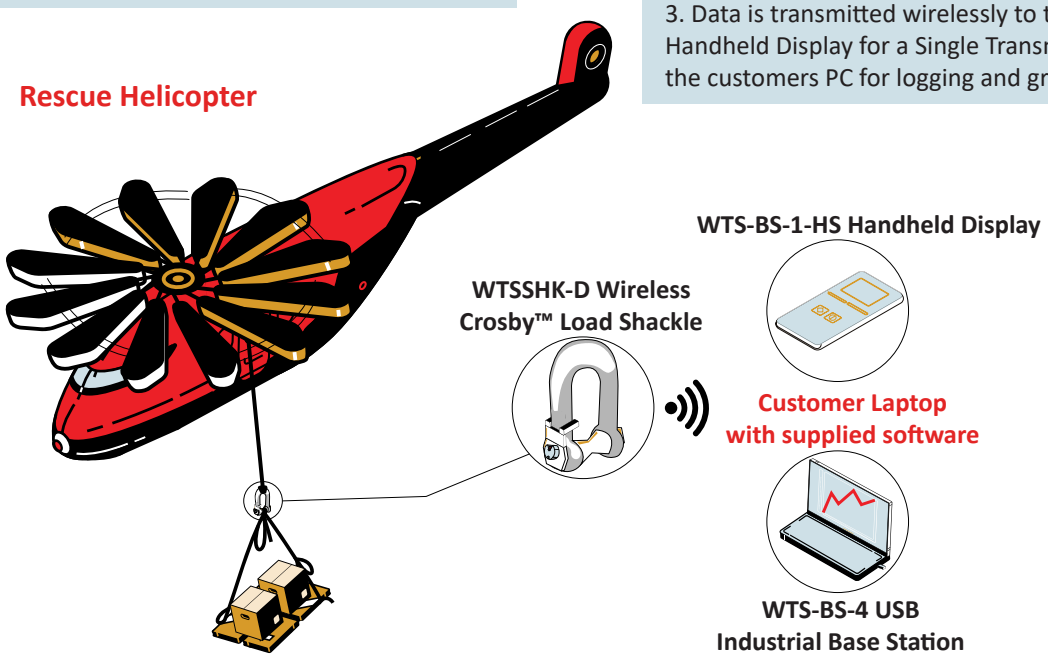
The customer was able to add a heavy load to the end of the helicopter hoist, to ensure it is strong and safe enough to carry both rescue personnel and objects while being in midair.

Materials

- WTSSHK-D Wireless Crosby™ Load Shackle
- WTS-BS-1-HS Handheld Display for Single Transmitters
- WTS-BS-4 USB Industrial Base Station
- WTS Toolkit & Log100 Software
- Customer supplied PC/Laptop

How It Works

1. The WTSSHK-D Wireless Crosby™ Load Shackle is installed at the end of the hoist.
2. A heavy load is attached to the shackle at its maximum capacity, and tested through mid flight in order to monitor the condition of the helicopter hoist.
3. Data is transmitted wirelessly to the WTS-BS-1-HS Handheld Display for a Single Transmitter, and also to the customers PC for logging and graphing information.



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7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com