

Jib Crane Tension Monitoring Tension Load Link

Industry: Infrastructure

Summary

Customer Challenge

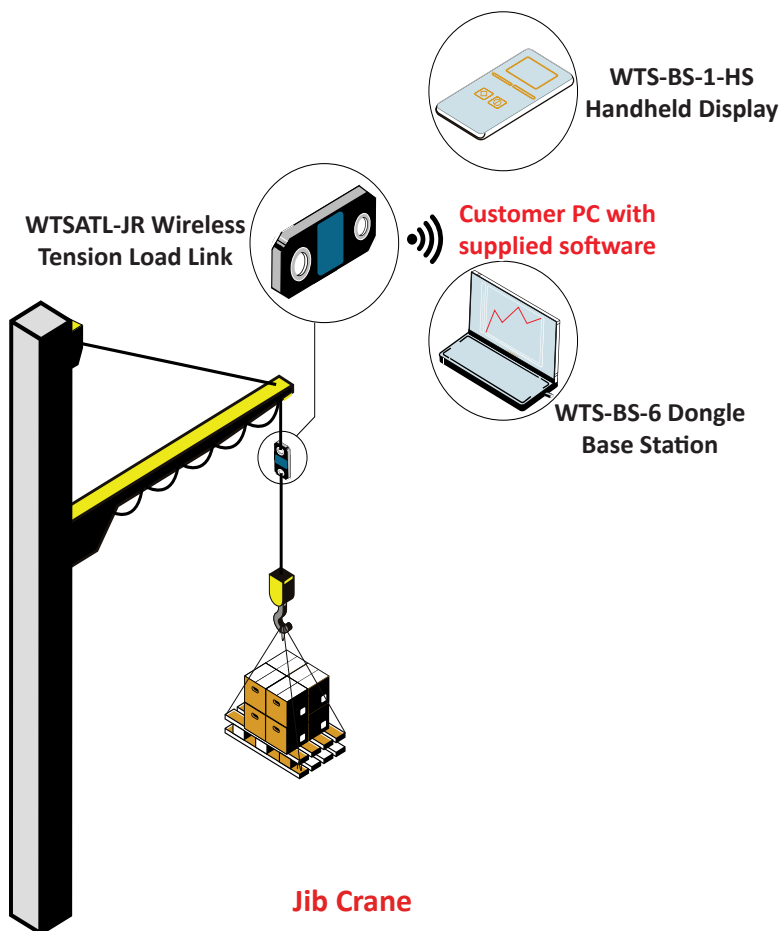
Jib cranes are used to move or carry heavy loads, as it is attached to a vertical mast or strong support structure. A tension monitoring system is needed to ensure the loads being lifted does not go over the jib crane's capacity.

Interface Solution

Interface's WTSATL-JR Aluminum Compact Wireless Tension Load Link can be attached to the cable of the jib crane. When a heavy load is placed at the end of the jib crane, the force results are wirelessly transmitted to the WTS-BS-1-HS Wireless Handheld Display for Single Transmitters or displayed on the customer's PC through the WTS-BS-6 Wireless Telemetry Dongle Base Station.

Results

The customer was able to monitor the cable tension forces of the jib crane to ensure it did not reach its maximum capacity.



Materials

- WTSATL-JR Aluminum Compact Wireless Tension Load Link
- WTS-BS-1-HS Wireless Handheld Display for Single Transmitters
- WTS-BS-6 Wireless Telemetry Dongle Base Station
- Supplied Log100 software
- Jib Crane
- Customer PC

How It Works

1. The WTSATL-JR Aluminum Compact Wireless Tension Load Link is installed into the cable of the jib crane.
2. A heavy load is added, and the force measurements are monitored ensuring the crane does not max out its capacity and break.
3. The force results are wirelessly transmitted to WTS-BS-1-HS Wireless Handheld Display for single transmitters, or to the customer's PC through the WTS-BS-6 Wireless Telemetry Dongle Base Station with supplied Log100 software. Data can be displayed, graphed, and logged.