Gantry Crane Weighing
Load Pin

Industry: Lifting

Summary

Customer Challenge

Gantry cranes are used for a number of mobile and lifting applications within industrial or construction environments. A weighing system is needed to see if the gantry crane can handle lifting heavy containers or loads, preventing crane failure or accidents.

Interface Solution

Interface's WTSLP Wireless Stainless Steel Load Pins can be installed into the corners of the lifting mechanism of the gantry crane, where heavy loaded containers are lifted and moved. The force results are then wireless transmitted to both the WTS-BS-1-HS Wireless Handheld Display for Single Transmitters, or directly to the customer's PC with the WTS-BS-6 Wireless Telemetry Dongle Base Station.

Results

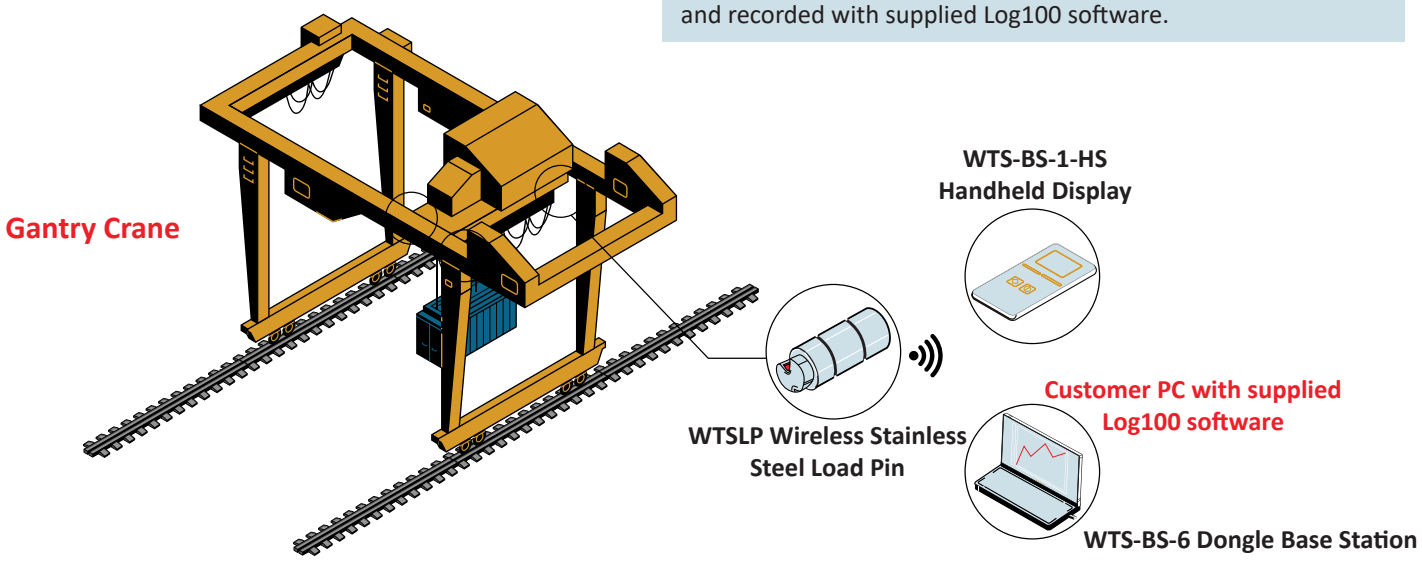
The customer was able to monitor the loads lifted from their gantry crane with Interface's Wireless Telemetry System, and determine whether or not their gantry crane was able to handle lifting heavy loads.

Materials

- Four WTSLP Wireless Stainless Steel Load Pin
- WTS-BS-1-HS Wireless Handheld Display for Single Transmitters
- WTS-BS-6 Wireless Telemetry Dongle Base Station
- Supplied Log100 software
- Customer PC

How It Works

1. The four WTSLP Wireless Stainless Steel Load Pin are installed at the our corners of the lifting mechanism of the gantry crane. A heavy load or container is lifted.
2. The WTSLP's wirelessly transmits the force data results to WTS-BS-1-HS Wireless Handheld Display for Single Transmitters, or directly to the customer's PC with the WTS-BS-6 Wireless Telemetry Dongle Base Station. Data can be logged, graphed, and recorded with supplied Log100 software.



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