

Performance Structural Loading

Load Shackles and WTS Wireless Telemetry System

Industry: Entertainment

Summary

Customer Challenge

Performers and entertainers have special stages built to perform in concerts for their fans. From largest sports events half-time shows to other complex staging, a force measurement system is needed to ensure the safety for all performers, equipment, and scenery on stage. The stage needs to hold all weight, and also maintain during dynamic movements, such as performers walking on stage.

Interface Solution

Interface's A4200 Zinc Plated or A4600 Stainless Steel Weigh-check Load Cells paired with the 1280 Programmable Weight Indicator and Controller is able to measure the individual loads on each load cell, or the entire weight of the performance stage. Results from the 1280 Programmable Weight Indicator and Controller was sent to the customer's control center.

Results

Using Interface's A4200 Zinc Plated or A4600 Stainless Steel Weigh-check Load Cells as a customizable solution, the customer was able to monitor and weigh the performance stage.

Materials

- A4200 or A4600 Weigh-Check Load Cells
- 1280 Programmable Weight Indicator and Controller

How It Works

1. The A4200 or A4600 Weigh-Check Load Cells are installed under the stage. The Weigh-Check Load Cell will measure the all load and dynamic loads on the stage.
2. Individual loads cell loads or the weight of the entire stage will be displayed on the 1280 Programmable Weight Indicator and Controller. The 1280 can also perform batching functions, and send results to the customer's control center if needed.

