Aerial Arts Rig
Multi-Axis

Industry: Entertainment

Summary

Customer Challenge

An aerialist needs to measure how heavy they are on their aerial arts rig to ensure it can hold them during their performance. They want to ensure they rig will be stable, and will not reach the load limit.

Interface Solution

Interface's 6A80 Series 6-Axis Standard Capacity Load Cell is fitted with a rod end bearing and attached to the top aerial rig with a type of swivel mount. It is also connected to the BX6-BT Portable 6-Channel High Speed Bluetooth Data Logger. The aerialist performer hangs from the rig, and their weight load results are sent to the BX6-BT Portable 6-Channel High Speed Bluetooth Data Logger and stored on an SD card. Results can also be wirelessly transmitted to the Bluetooth of the customer's PC and displayed with BlueDAQ software.

Results

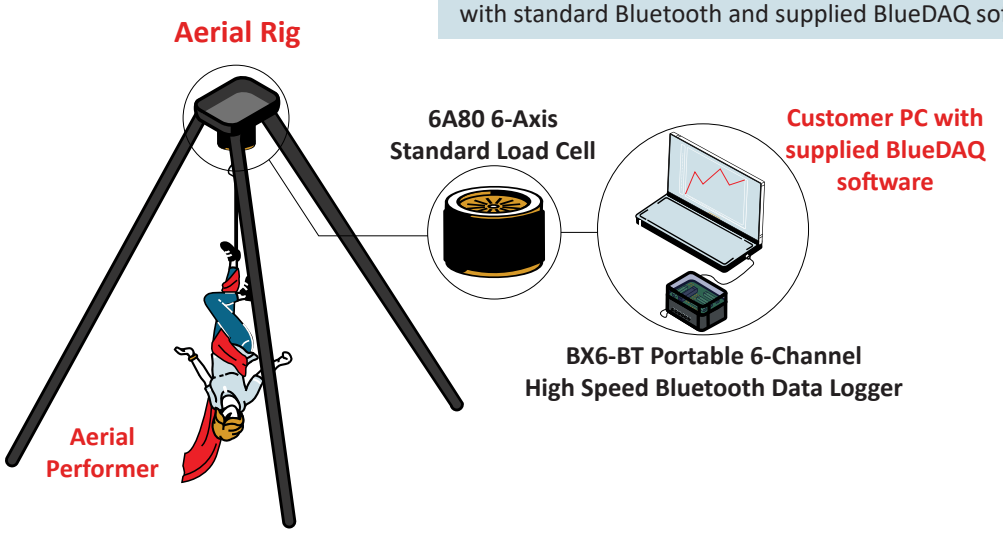
The aerialist was able to determine if their aerial arts rig was able to hold their weight during a performance with Interface's force measurement system.

Materials

- 6A80 Series 6-Axis Standard Capacity Load Cell
- Rod end bearing
- BX6-BT Portable 6-Channel High Speed Bluetooth Data Logger with SD card
- BlueDAQ Software
- Customer PC or Laptop
- Customer's aerial rig

How It Works

1. The 6A80 Series 6-Axis Standard Capacity Load Cell is fitted with a rod end bearing and attached to the top aerial rig with a type of swivel mount. It is also connected to the BX6-BT Portable 6-Channel High Speed Bluetooth Data Logger.
2. The performer hangs from their aerial rig, and their weight is captured with BX6-BT Portable 6-Channel High Speed Bluetooth Data Logger, which is saved on an SD card. The results can also be wirelessly transmitted to the customer's PC with standard Bluetooth and supplied BlueDAQ software.



interface
FORCE MEASUREMENT SOLUTIONS

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