ElastiSense

Case story

Structural Health Monitoring of a pedestrian bridge

DS-Series sensors are being used for Structural Health Monitoring of a pedestrian bridge in Sandvika town, Norway.
The purpose is to continuously monitor the deflection of the bridge, caused by loading and temperature variation and transmit the measured data wirelessly to a clou, based on which the customer can remotely assess the structural integrity of the bridge and plan predictive maintenance and repair in case of observed structural deterioration.
Two DS-100 sensors were installed at either end of the bridge to measure the relative displacement between the two abutments and the deck. Both sensors were connected wirelessly to a battery-powered datalogger that transmits the sensors' data to the cloud.

DS-Series Displacement Sensors from ElastiSense

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