

Dam Spillway Gate Torque Transducer

Industry: Infrastructure

Summary

Customer Challenge

A dam spillway gate monitors and controls the flow of water from a reservoir. A monitoring system is needed to detect any potential malfunctions or failure from the gate, which could result in a disastrous release of water downstream.

Interface Solution

Interface's TSCF C-Face Flange Torque Transducer can directly measure the torque of the dam's motor connected to controlling the movement of the gates. The TSCF can detect any problems the motors may have when opening and closing the spillway gate. Results are read and monitored using the 9850 Torque Transducer and Load Cell Indicator.

Results

Interface's TSCF C-Face Flange Torque Transducer was the perfect monitoring solution of the dam spillway gates, ensuring the gates were functioning properly and efficiently.

Materials

- TSCF C-Face Flange Torque Transducer
- 9850 Torque Transducer and Load Cell Indicator

How It Works

1. The TSCF C-Face Flange Torque Transducer is installed and attached to the large motors that control the opening and closing of the dam spillway gates. The TSCF will monitor the torque of the motors, detecting any potential problems before an accident may occur.
2. Results are displayed and monitored using the 9850 Torque Transducer and Load Cell Indicator.

