

# QUEENSFERRY CROSSING WIM — SCOTLAND



Q-Free has installed 12 lanes of Weigh-in-Motion (WiM) on the new Queensferry Crossing in Scotland, across the River Forth between Edinburgh and Fife. Installed for Straininstall, a provider of infrastructure monitoring solutions, Q-Free's WiM is part of a suite of technologies providing an integrated structural health monitoring system (SHMS) for continuous monitoring of the condition and performance of the new bridge.

The new bridge will operate to motorway specification and be used for all road traffic from the original Forth Road Bridge, which opened 53 years ago. The Forth Road Bridge will now solely be used for public transport, cyclists and pedestrians.

The original requirements of the project expanded when Transport Scotland requested an additional six lanes of WiM with integrated ANPR to enforce vehicular weight limits crossing the new bridge. Working with our delivery partner Jenoptik, these arrays were installed at the same time as the SHMS system.

All of the arrays are monitored by Q-Free's HI-TRAC® TMU4 and Q-Free provides on-going maintenance and calibration services to ensure optimal performance and accuracy of these critical high speed WiM systems.

