

HIGH SPEED WEIGH IN MOTION WITH ANPR – SCOTLAND



Transport Scotland has delegated responsibility for traffic monitoring across Scotland, which includes over 800 monitoring outstations, 55 of which, are high speed weigh in motion (HSWiM) sites. Q-Free's industry standard HI-TRAC® 100+ WIM unit along with Class 1 piezo-electric sensors are used at the majority of the installations. In recent months, in partnership with Jenoptik, existing sites have been upgraded and new sites added using Q-Free's HI-TRAC® TMU4 with integrated ANPR.

Information from the HT100+ sites assist design engineers in monitoring the life cycle of the infrastructure, particularly at bridges, where the data is used in the calculation of bridge specific loading statistics. The TMU4 sites are used in a data sharing arrangement with Transport Scotland, Police Scotland and the UK's Driver and Vehicle Standards Agency (DVSA) for operational purposes.

In addition to the provision of the equipment and support to install the network of sites, Q-Free supports Amey, a supplier of consulting and infrastructure support services, as Transport Scotland's agent for Intelligent Transport Systems. Together, Amey and Q-Free undertake a biennial calibration of the WiM system and complete pre-calibration maintenance visits to assess the operation of each outstation.

