

# HIGH SPEED WEIGH IN MOTION WITH ANPR— MANCHESTER, ENGLAND



Q-Free was commissioned to supply high speed Weigh-in-Motion (WIM) Systems with integrated Automatic Number Plate Recognition (ANPR) for enforcement at three strategic locations within the Transport for Greater Manchester (TfGM) area. This was part of an area wide strategic monitoring system comprising of over 800 ITS outstations including traffic classifiers, Bluetooth™ journey time monitoring systems and cycle detection systems.

The system combines Q-Free's HI-TRAC® 100+ WIM and integrated ANPR cameras with piezo-electric WIM sensors located at key entry points in to the TfGM area. The system calculates the axle and gross vehicle overloads and takes an image of the vehicle license plate and a contextual overview image.

TfGM uses this information to contact offending operators and advise them of any infringements to regulations. TfGM is also in discussion with the UK's vehicle enforcement authority, the Driver and Vehicle Standards Agency (DVSA), to share the information captured by the ANPR system so that direct enforcement measures can be applied.

