

HIGH SPEED WEIGH-IN-MOTION SYSTEMS — KINGDOM OF SAUDI ARABIA



The Ministry of Transport for The Kingdom of Saudi Arabia is committed to improving road safety and protecting their bridges and highways from the damage caused by overweight vehicles.

Q-Free was commissioned to supply 20 high speed Weigh-in-Motion (WIM) Systems for overweight pre-selection with integrated Automatic Number Plate Recognition (ANPR) for enforcement at strategic locations across the Kingdom.

To meet the needs of the customer on this project, Q-Free integrated Kistler Lineas® Quartz WIM Sensors with the industry standard HI-TRAC® 100+ WIM/ANPR System. As a combined solution, it provides the accuracy needed to identify and weigh vehicles within very high enforcement tolerance.

The system calculates the axle and gross vehicle overloads and takes an image of the vehicle license plate, together with a contextual overview image. Each time an overloaded vehicle is detected, it is diverted to a Weighing Station for inspection and enforcement. The system also includes overheight enforcement.

The project was managed in partnership with the reputable Shihb Al Jazira Contracting Company whose Head Office is in Riyadh.

