

# Kingdom of Saudi Arabia

Saudi Arabia

## Kingdom uses Q-Free traffic data to improve country-wide mobility.

The Ministry of Transport for the Kingdom of Saudi Arabia leveraged Q-Free axle counter classifiers to collect and analyze vehicular traffic data to help improve mobility for its more than 32 million residents.

### SOLUTION

▷ HI-TRAC® UTC-P AXLE COUNTER CLASSIFIER

**INSTALLED UNITS: 250**

**COMPLETION: 2018**

### About the Government Agency

The Ministry of Transport for the Kingdom of Saudi Arabia regulates and supervises the country's transportation sector with the goal of presenting the Kingdom as an international logistics center linking the three continents.

- Established in 1953
- Serves 32+ million people

### Traffic Monitoring Challenge

Measure traffic volume and vehicle classification types.

Collect highly-accurate traffic data to assist with road project decision making.

Identify areas of success and needs for improvement.

### The Solution

Q-Free's HI-TRAC UTC-P Axle Counter Classifier was selected to provide up-to-date, highly-accurate traffic information to assist with countrywide road project decision making. Supported in the region by an established local partner and distributor, Shihb Al-Jazira installed and commissioned the technology.

Q-Free's low-maintenance, low-cost solar powered units were mounted on top of small housing pillars at more than 250 sites. Each location includes a GPRS-enabled, real-time communications to the Drakewell C2 web-based database platform.

The HI-TRAC UTC-P monitors up to four lanes of traffic and uses piezo-electric sensor technology to detect vehicular traffic and record data a variety of data including:

- Speed
- Axle count
- Wheelbase
- Gap
- Headway

Following the success of the initial phase of the project, a further program is planned to commence in 2020 that will add an additional 150 sites to the network.