

# CYCLE SIGNAL PRIORITY SYSTEM — COPENHAGEN



Copenhagen has long been established as one of the world's great cycle cities. In order to improve the cycle experience Copenhagen's authorities are looking to offer cyclists priority at traffic light junctions.

By offering extended green light time, they allow priority release for cyclists to pass through over other road users. Given the high numbers of cyclists using the cycle networks in Copenhagen, Q-Free had to offer a solution capable of monitoring in excess of 10,000 passing per day and the potential of multiple cyclists passing over the sensors at the same time.

In 2013, Q-Free and MEAS introduced the cycle cluster piezo sensor to provide accurate cycle detection in locations of dense cycle traffic. This Cycle Cluster Piezo Sensor has been deployed for a traffic signal priority scheme in Copenhagen, Denmark.

The HI-TRAC<sup>®</sup> CMU is located in the traffic signal controller cabinet 25M from the sensor array located in a dedicated cycle path as detailed in the drawing.