

COOPERATIVE ITS DEMO — MELBOURNE, AUSTRALIA



During the 23rd World Congress on Intelligent Transport Systems that took place in Melbourne in October 2016, Q-Free demonstrated V2I connectivity using C-ITS stations.

On the delegate transfer shuttle bus operating between the Melbourne Conference and Exhibition Centre and Albert Park, Melbourne, a coach equipped with the Q-Free Universal ITS Station showcased a representative selection of ITS applications, such as travel time, low bridge warning and road works alerts.

The road to Albert Park was also equipped with Q-Free Universal ITS Stations, as well as one third-party ITS station. These SCATS-connected intersections broadcasted ETSI TS-Draft 103 301/ISO TS, 19091/SAE J2735 SPaT/MAP messages to the in-vehicle ITS station, as well as sharing standard CAM messages.

As well as supplying most of the ITS station hardware, Q-Free engaged in early testing of the SCATS interface with Roads and Maritime Services, and rapidly adapted its signalised intersection application to communicate with multiple vendors' in-vehicle ITS stations, each on different releases of the evolving ETSI standards.

The result was the first implementation anywhere in the world on live intersections of C-ITS technology and applications using open, agreed standards. Six of the supplied Universal ITS Stations have been retained by VicRoads, to support short-term C ITS trials taking place in Melbourne.