

Poole, UK

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Bluetooth® Journey Time Measurement System launched by Siemens

Unveiled this month, Siemens new *Sapphire* Journey Time Measurement System (JTMS) offers a low cost, simple to deploy solution for recording and analysing journey times and network performance.

Siemens Sapphire JTMS detectors use Bluetooth® technology commonly found in mobile phones, aftermarket accessories, in-car communication and audio systems and are compact and simple to install, minimising street clutter. The system is fully integrated into the Siemens Stratos hosted traffic management system, providing all the necessary tools for the effective analysis and monitoring of journey times.

According to Product Manager, Priscilla Boyd, the Bluetooth detectors, placed strategically along key routes, continuously search for Bluetooth® compatible devices. Designed with an extended detection range of up to 100m for traffic environments, the detectors transmit requests and listen for device responses, gathering the necessary (anonymous) data to measure journey times between defined areas.

“The initial capital investment per Bluetooth detector is significantly lower than that of ANPR camera-based systems, allowing a higher density of devices to be acquired for the same capital outlay. Ongoing maintenance costs are also reduced as frequent cleaning and alignments are not required” added Pri.

Real-time journey time monitoring is an essential element of any traffic management system and an invaluable tool for the traffic manager to ensure optimal network operation. The Siemens Sapphire Bluetooth® detectors are fully integrated with the company's Stratos Journey Time Monitoring module, which also supports Journey Time data input from ANPR cameras and other third-party systems providing a rich source of information for analysis and monitoring of traffic. With user-friendly overview dashboards and maps, Stratos shows current journey times and highlights routes that are operating outside their norms.

Siemens was established in the United Kingdom more than 170 years ago and now employs 14,000 people in the UK. As the world's largest engineering company, Siemens provides innovative solutions to help tackle the world's major challenges. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey.

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