FarrPoint

Mobile Coverage Mapper

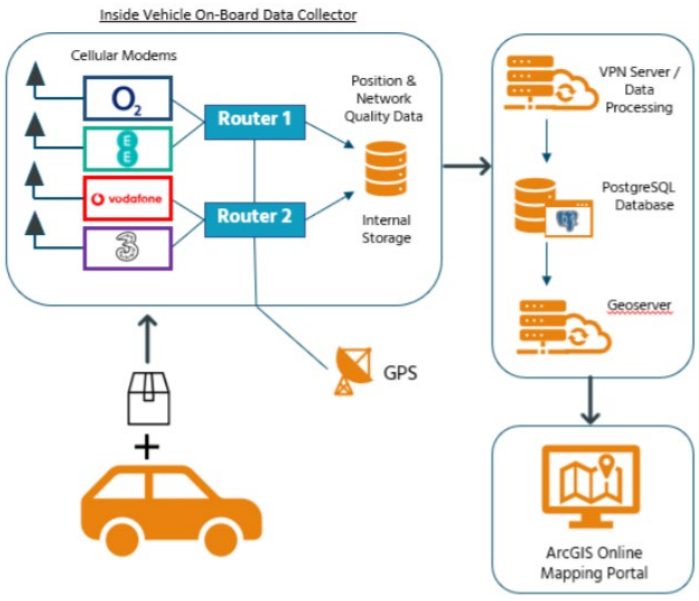
What is FarrPoint's Mobile Coverage Mapper?

FarrPoint's Mobile Coverage Mapper is an autonomous network monitoring tool that provides real-life performance statistics of all available mobile networks. The Mapper comprises a small internal unit with magnetic antennas which are placed on the roof of a vehicle. The unit can be fitted into any vehicle and will measure the signal strength of all mobile networks simultaneously as it drives the route of interest. Clients have deployed the Mapper on refuse vehicles for example, which has the advantage of visiting every premises in an area within a relatively tight timescale. As the Mobile Coverage Mapper travels across a geographic location, it sends the performance data back to dedicated FarrPoint processing and mapping servers enabling a true picture of mobile network performance to be built. Results may be viewed on our mapping portal, available through any Internet browser. The Mapper has already been deployed across a number of public bodies within the UK who require the most accurate information on mobile connectivity.

Benefits

- Data collected to identify mobile 'notspots' or areas of weak mobile coverage which can be used to feedback to MNOs for future mobile planning
- Easy-to-use and install
- Lower costs than standard drive test surveying which requires specialised resource and equipment
- Provides independent coverage assurance and verification – especially important for organisations running mission-critical communications over mobile networks.

What's in the Mapper Box

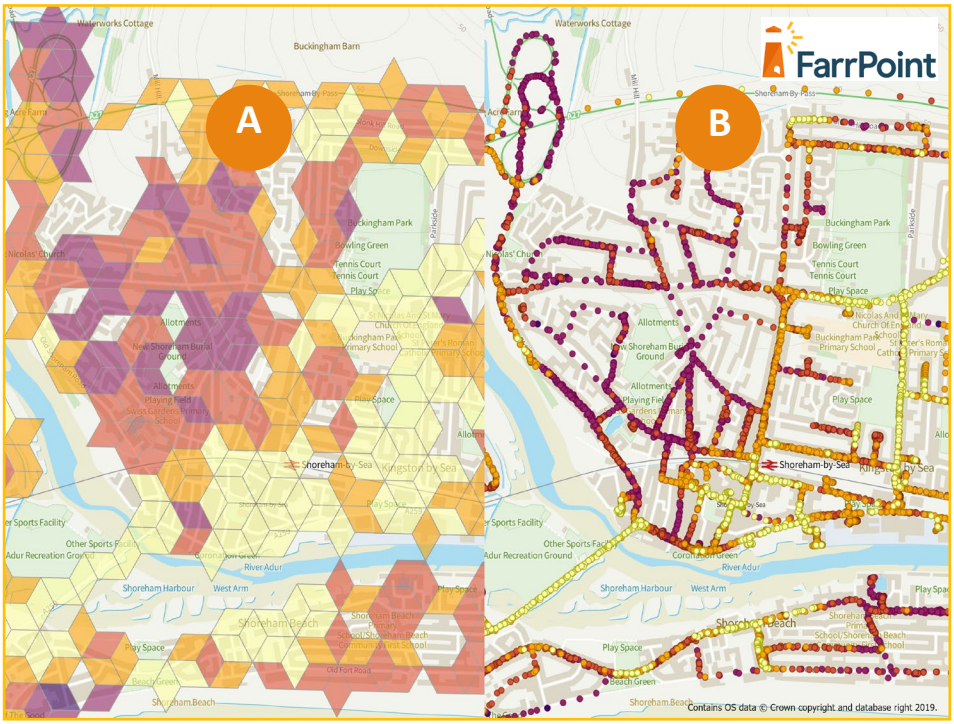


Key Features

- **Independent & real-time** monitoring of 2G/3G/4G network performance in outdoor areas
- Mobile Coverage Mapper is **autonomous, installed easily** to any vehicle and **requires no technical knowledge**
- Logs **multiple engineering parameters** including signal strength, channel parameters and location data
- Results and analysis are stored in a **secure central database** and presented on a secure mapping portal in real-time
- Survey results are presented in a simple visual format. No technical knowledge required to interpret results
- **Scalable design** - multiple units can be deployed across areas, simultaneously collecting data to continuously build up a library of mobile network measurements across a geography

Example Use Cases

- Contractual acceptance and verification (for central Government funded projects)
- Identification of mobile coverage weakness to help planning of services relying on mobile connectivity
- Network optimisation
- In-life coverage validation and monitoring for KPI reporting
- Benchmarking against other sources
- Vital for city planning and ensuring businesses and residents are fully connected, everywhere they go.



The sample coverage (left) depicts the received signal strength, with lighter shades showing weaker coverage than the darker areas.

These maps display:

A) The aggregated coverage for a specific area, providing a higher level of statistical analysis and is ideal for performance acceptance testing.

B) Raw point data, showing where the Mapper made each reading for more granular analysis.

FarrPoint

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