

MIDLANDS ENGINE DIGITAL

West Midlands Metro - Using 5G to keep passengers safe

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ENGINE



When the West Midlands Metro wanted to explore how 5G could create new possibilities for its fleet of 21 trams, they turned to WM5G, GoMedia and Icomera.

As part of their daily running between Birmingham and Wolverhampton, the West Midlands Metro trams collect a variety of valuable information such as CCTV, tram performance and maintenance data which is currently accessed manually outside of when the tram is operational.

By equipping a tram with 5G, WM5G and partners were able to transfer high definition CCTV footage from the tram securely and remotely to the Regional Traffic Control Centre whilst the tram was on the move.

The ability to transmit high levels of data almost instantaneously unlocks incredible opportunities to strengthen passenger safety by giving the authorities the information they need to better respond to incidents in real-time.



Future applications of 5G for the tram network could also cover real-time engineering data, passenger counting for more efficiently run services and customer Wi-Fi and on-board entertainment.

Sophie Allison, Head of Business Transformation at West Midlands Metro:

"We are proud to be working in partnership with West Midlands 5G, Icomera and GoMedia on this new initiative. It is our shared ambition to utilise new technologies, to improve services for passengers across the region. This collaboration has enabled us to use the advances in 5G technology to monitor the tram network in real-time. We now have the proven ability to transmit CCTV footage to our Operational Control Centre and the Regional Traffic Control Centre quickly, reliably and securely - helping us to improve passenger safety. We are pleased to be pioneers on this project, which has helped to demonstrate the future potential that 5G can offer."

Find out more by visiting the WM5G website.

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