West Midlands Regional Transport Coordination Centre

Transport for West Midlands

The Transport for West Midlands Regional Transport Coordination Centre (RTCC) in Birmingham uses live data feeds and CCTV to monitor the area's transport network.

It helps to minimise disruptions and is a hub for Transport for West Midlands, transport operators, emergency services and local authorities. It also played a key role in monitoring traffic and keeping people safe during the 2022 Commonwealth Games in Birmingham.

Back in 2019 UVS installed 6x3 and 4x2 screen LCD video walls in the RTCC. Both were supplied with a UVS Lucidity WBC video wall controller to allow the display of multiple IP CCTV feeds from around the region, in addition to multiple workstation inputs and web pages as additional data sources.

We also included a 65-inch interactive touch table integrated to West Midlands RTCC sources and to our Lucidity video wall solutions, allowing data from the touch table to be displayed on the video wall.

It also allows people to collaborate around the table and share data from various sources, in addition to controlling the video wall.

The installation also included a desk mounted touch screen controller that allows fast launching of preset video wall layouts when needed for specific incidents.

We supplied and installed all equipment via our systems integrator partner TIS, which specialises in driving digital transformation and integration across the life safety, security and communications industry.

By 2025, the video wall systems we installed had hit 50,000 hours of continuous 24/7 operation.

In 2022, we added a third 4x2 video wall at the RTCC site, fed from one of the existing Lucidity controllers, which was expanded to deal with the additional outputs and inputs.

At the same time, an identical 4x2 video wall was installed at a disaster recovery site approximately 15 miles from the RTCC site. This remote video wall is connected to the same outputs as the one at the RTCC, via HDMI-IP encoders. Control of this remote video wall was provided via a Lucidity controller connected back to the RTCC.

We have a great relationship with TIS which enabled us to work together and with the client to provide a solution which has met their exact requirements and which has now reached 50,000 hours of continuous use in an environment where reliable 24/7 operation is vital.

From the outset, the client, TIS and UVS were also committed to system lifetime support. This has consisted of annual support contracts for all technology by the TIS support team, with UVS providing a support contract for the complete video wall systems and accessories.

UVS (Ultimate Visual Solutions) provide turnkey solutions for all types of audio visual and visual display applications. Our projects range from a single display screen in a conference room to a multi-screen video wall system within a 24/7, mission-critical operation such as a Data Centre or Special Operations Room.

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