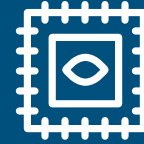


5G URBAN PROJECT: UNIVERSITY OF GLASGOW

- S5GC has invested over £1.6 million of funding with an ROI of £29 million.
- 5G real time technology creates new commercial opportunities and remote access to state-of-the-art facilities.
- 5G test bed creates new immersive learning opportunities for students globally.
- One of the first demonstrations of remote robotics in higher education attracting worldwide attention.

The key aim of this project is to bring new 5G technological solutions to urban communities and businesses throughout Scotland. They are currently developing a 5G-enabled Smart Campus offering sustainable, healthier and smart solutions to students, academics and the surrounding community. This is already attracting investment into the area, creating new jobs and will lead the way for future smart cities while contributing to Glasgow's carbon neutral commitment by 2030.



SENSORED MONITORED SEATING

By using RFID and LoRa technology on desks, data is gathered which can accurately present occupancy information enabling remote estate management, especially in a multi-occupancy open plan building.



REMOTE OPERATED ROBOTIC ARM

5G robotic arm uses a haptic feedback controller that allows you to feel senses of touch, motion and pressure all in real-time, allowing the user to operate remotely enabling remote healthcare and remote working.



3D HOLOGRAPHIC CALL

5G enabled 3D videoconferencing provides realistic virtual telepresence that moves away from conventional two-dimensional screens replacing it with holograms. Demonstrations show how this can be applied in a healthcare setting and in 3D Telemedicine.



CONNECTED MOBILE HEALTH CLINIC

The CMHC is a fully equipped state-of-the-art mobile clinic on wheels supported by a pop-up 5G mobile private network that enables remote testing, consultation, video diagnostics, monitoring and other care capabilities necessary for a team of trained professionals to carry out.