



**ZYCOMM**  
The Radio Communications Company

**NOTTINGHAM**  
TRENT UNIVERSITY

## NOTTINGHAM TRENT UNIVERSITY

**Mark Stacey** – Security Systems Engineer

### THE CHALLENGE

“With 24 staff in the security team, covering 4 shifts over a 24 hour period, 365 days a year, the main aim of the communications is to protect occupants and assets of the university” Mark Stacey.

There are over 50,000 access swipe cards issued to staff and students, meaning the level of pedestrian traffic are high on a day to day basis. The main challenge was initially identified when carrying out a risk assessment, it highlighted that there was an element of lone working at one of the sites within the campus. The university had always struggled with their existing analogue radios as the GPS wasn't always accurate, and there were minor coverage issues which left them unable to communicate effectively. The security team were sharing channels with maintenance and reception which resulted in hearing unrelated conversations to each department.

### THE BRIEF

- > To change over to a digital system for enhanced security features
- > To cover 3 separate sites throughout the Nottinghamshire area
- > Ensure seamless coverage over all sites
- > To supply a system that worked 24 hours a day 7 days a week, 365 days a year
- > To provide a text message facility
- > To provide a lone worker facility for staff exposed to lone working in remote locations
- > To provide GPS tracking in order to locate staff quickly
- > Emergency button
- > Voice recording
- > Individual and group calling.



> Security Guard



> Security Control Room

## THE SOLUTION

The latest digital radio from Hytera was supplied to the University, the X1P covert GPS radio. The X1P's will be working alongside the RD985 digital repeater and Hytera's own smart dispatch software application to provide a radio network between the three Nottinghamshire locations.

An essential tool for the University has been the Smart Dispatch software, a fully feature application which enables users to track, text, transmit and remotely monitor users over the radio network. This has proved to be an essential piece of the radio network.

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MARK STACEY

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MARK STACEY

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## THE OUTCOME

Speaking to Mark Stacey the security systems engineer, he explained “Overall the new system gives us clearer communications. Now that security have their own channel, it means the amount of traffic over the radio is a lot less, but with the extra voice channel the digital system gives us without the extra cost of a licence, it allows two conversations to happen at the same time without the network being busy.

“Our security staff has reported that the communications are that clear that they can talk and listen to their colleagues without taking the radio from their belts and in the event they are dropped, which they tend to be every now and then, they bounce incredibly well.

“The GPS is now extremely accurate and this, together with the lone worker facility, we are now compliant with the health and safety regulations we need to be and the duty of care to our staff. The GPS system gives us an audit trail to prove our compliance, with staffing hours, speeding in company vehicles and we are able to listen back to conversations between our staff if we need to.

“If we struggle to get a member of staff, we can check that they are in range and their radio is switched on before raising an alarm to check on their safety. The X1 radios are slick, they are small and thin which means they can easily slip into your top shirt pocket – it's just like carrying a mobile phone.

“The installation and service provided by Zycomm has been seamless. In the event of any glitches, they have been rectified quickly. We have dealt with Zycomm for over seven years now, and it has always been a pleasure.”



ZYCOMM ELECTRONICS LIMITED

NOTTINGHAM ROAD

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