



Cel-Fi QUATRA saves the office move

The Cel-Fi QUATRA solved the non-existent mobile signal coverage in the new Head Office building for the Welsh Ambulance NHS Trust.

Business Profile

The Welsh Ambulance Services NHS Trust was established on 1 April 1998 and has 2,576 staff providing ambulance and related services to the 3.1 million residents of Wales. They attend more than 250,000 emergency calls a year, over 50,000 urgent calls and transport over 1.3 million non-emergency patients to over 200 treatment centres throughout England and Wales.

The Head Office is in a two-storey office block on St Asaph Business Park in Ty Elwy. The office houses more than 100 administrative and support staff, boasts a suite of meeting rooms and provides a base for operational ambulance crews.

Challenge

- Provide a cost-effective mobile signal solution in a new office space
- Solve mobile signal coverage for EE and Vodafone users who rely on mobile devices to perform their duties

Product Solution

- 2 x [Cel-Fi Quatra](#) NU
- 8 x Cel-Fi Quatra CU
- 2 x External Antenna

Business Needs

The Welsh Ambulance Services NHS Trust moved to a new headquarters building in St Asaph in May 2019 after their old building was decommissioned and sold. However, the new contemporary space was refurbished with building materials which prevented mobile signal from penetrating the building.

Staff rely heavily on their mobile phones to perform their business. The IT department was inundated with Vodafone and EE users complaining about the poor reception and the detrimental effect it was having on their job performance.

WiFi calling was not found to be reliable and robust enough for the critical service they provided.

The Solution

Frequency Telecom commissioned and installed the [Cel-Fi QUATRA mobile signal booster](#) within days. The Cel-Fi QUATRA is an Active DAS Hybrid provides uniform, high quality mobile signal throughout a building, and is scalable to the size needed. It is a cost-effective, easy-to-deploy all digital solution.

Unlike older analogue boosters and passive DAS technology, the Cel-Fi QUATRA delivers a mobile signal that is up to 1000x stronger, utilizing CAT 5e/6 cabling for RF and Power over Ethernet, with no signal attenuation, right to the perimeter of the building.

Business Benefits

- The [Cel-Fi QUATRA](#) solution was deployed within days.
- No need for any operator licence.
- Vodafone and EE users reported a steady 4 to 5 mobile signal.
- Productivity soared as staff were able to perform their duties optimally.

Cel-Fi products comply with OFCOM regulations (OFCOM SI 2018/399) and can be used without a licence.

