



## Hotel La Tour multi-network mobile signal coverage

### Case Study

Hotel La Tour is a recently constructed luxury hotel located in the heart of Milton Keynes, they provide a stylish bar, restaurant and business facilities for their guests, catering for both corporate and personal hospitality. Hotel La Tour consists of 241 bedrooms over 14 storeys, meeting rooms, a restaurant and a gym.

### The Problem

When the shell of the building was completed and fully sealed, it was apparent that the in-building mobile phone signal was very poor resulting in construction workers, contractors and staff not being fully contactable on their mobile phones.

Following an initiate desk top survey, a more detailed site survey was carried out to establish the extent of the in-building signal issues and to evaluate the main areas of concern. The survey confirmed signal was very poor throughout the hotel, with the construction materials including the low-E glass the primary reason for the in-building poor mobile signal.

### The Construction

During construction the contractors and construction workers discovered there was very little mobile signal within the framework of the building. As the hotel welcomes people from both the corporate world and the leisure sector, all four main mobile network operators were required to be improved throughout the hotel.



### Brand New Hotel

Newly constructed Hotel in the heart of Milton Keynes



### Multi-Network

The mobile coverage needs to give guest and employees multi-network coverage



## The Solution

The signal boosters were installed discreetly located to dissipate the signal across the 14 floor levels of Hotel La Tour. The approved design would consist of 4 x external antennas on the roof, 18 x Quatra Network Units located in the comms room and 63 x Quatra Coverage Units strategically located to provide complete, multi network mobile coverage throughout the hotel, enabling 3G, 4G & 5G services.

## The Products

CEL-FI  
**QUATRA**



## The Results

The mobile signal has increased across the hotel, including within the guest rooms and the communal & business areas. This has greatly improved operational efficiencies for hotel staff who rely on their corporate mobile phones to communicate internally. This has also helped to improve safety for both staff and guests within the building by providing them with a safe and secure environment.

The newly constructed hotel now ensures business customers are fully connected and able to work as effectively from the hotel as they would from the office.

## Business Benefits



Improved Signal



Multiple Network Coverage



Full Mobile Coverage



Frequency Telecom  
Partnership Programme



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