Service-Assured In-Building Mobile Coverage Solutions

The Problem

29% of UK mobile users report suffering from poor or no in-building mobile coverage*. For businesses, being unable to communicate with your customers causes sales to suffer dramatically. Productivity and staff morale are also affected. It can also raise staff safety concerns and limits scope for business resiliency.

* Source: https://www.ispreview.co.uk/index.php/2017/11/study-claims-29-uk-mobile-users-suffer-poor-no-indoor-signal.html

The Solution

Spry Fox Networks has combined its innovative QuantumPath mobile survey and assurance product with Nextivity's Ofcom-compliant in-building mobile signal boosters to produce a unique offering.

QuantumPath: Real-time mobile signal and service assurance

Nextivity Signal Boosters: Quatra and Go products provide 3G and 4G in-building coverage

This combination provides **service-assured** 3G and 4G in-building mobile coverage. With no mobile operator agreement needed, the solution can be deployed within a couple of weeks instead of months or years, and can provide coverage for all the UK mobile operators (EE, Vodafone, O2 and 3 Mobile) and their partners (e.g. BT Mobile, Giffgaff, Sky Mobile, Tesco Mobile, Virgin Mobile, etc.), whilst still providing service to visitors who may be roaming.

We can also provide in-building emergency coverage solutions that can be up and running within days. The client installs our solution using our QuantumPath assurance product with the guidance of a Spry Fox Networks engineer.

Solve Your Mobile Coverage Problems

We use a three-stage process to provide service-assured in-building mobile coverage.

1. Solution Survey

Step 1   **Business Requirements:** We work with our clients to identify the mobile operators, building areas and services (e.g. voice and/or data) that are key for their business. We will also make suggestions to improve their business resilience, such as covering emergency areas and providing voice/data resilience due to facility or IT failures

Step 2   **Coverage Check:** Once we understand our clients' requirements, we perform a mobile coverage check using QuantumPath to ensure we can obtain the best external mobile 3G and 4G signals, and establish the optimum placement of in-building equipment

Step 3   **Solution Design:** Based on the coverage check results, we will design and cost a solution to meet your specific business requirements

2. Solution Installation

We will install, commission and test all components of our in-building mobile coverage solution. We use the best cables and connectors, and have a specialist team of installers that adhere to our strict Health & Safety guidelines.

Solution Options

Spry Fox Networks can offer a range of additional service enhancements:

- Uninterruptable power supplies for the supplied equipment, so no location is out of bounds or without service resilience
- As an official partner of Cradlepoint (https://cradlepoint.com/), we can supply, install, configure, integrate and support Cradlepoint 3G/4G routers, providing data connectivity resilience
- Extra 3G/4G external antennas for IP router/Mi-Fi equipment connectivity

3. Solution Assurance and Support

Once in-building mobile coverage is provided, it becomes a business necessity. As a result, assurance and support of the solution is essential and with Spry Fox Networks, this goes beyond simply checking there is a signal; assurance of the services is also critical. This support can optionally be extended to 24 * 7.

QuantumPath allows us, and our clients, to continuously monitor and pro-actively test the internal mobile coverage and services. QuantumPath will measure and report the quality of the mobile signal and services 24 * 7 and raise alarms when that quality degrades, in addition to any failures.

No other company offers this level of in-building mobile coverage and service assurance

Contact us for more information

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