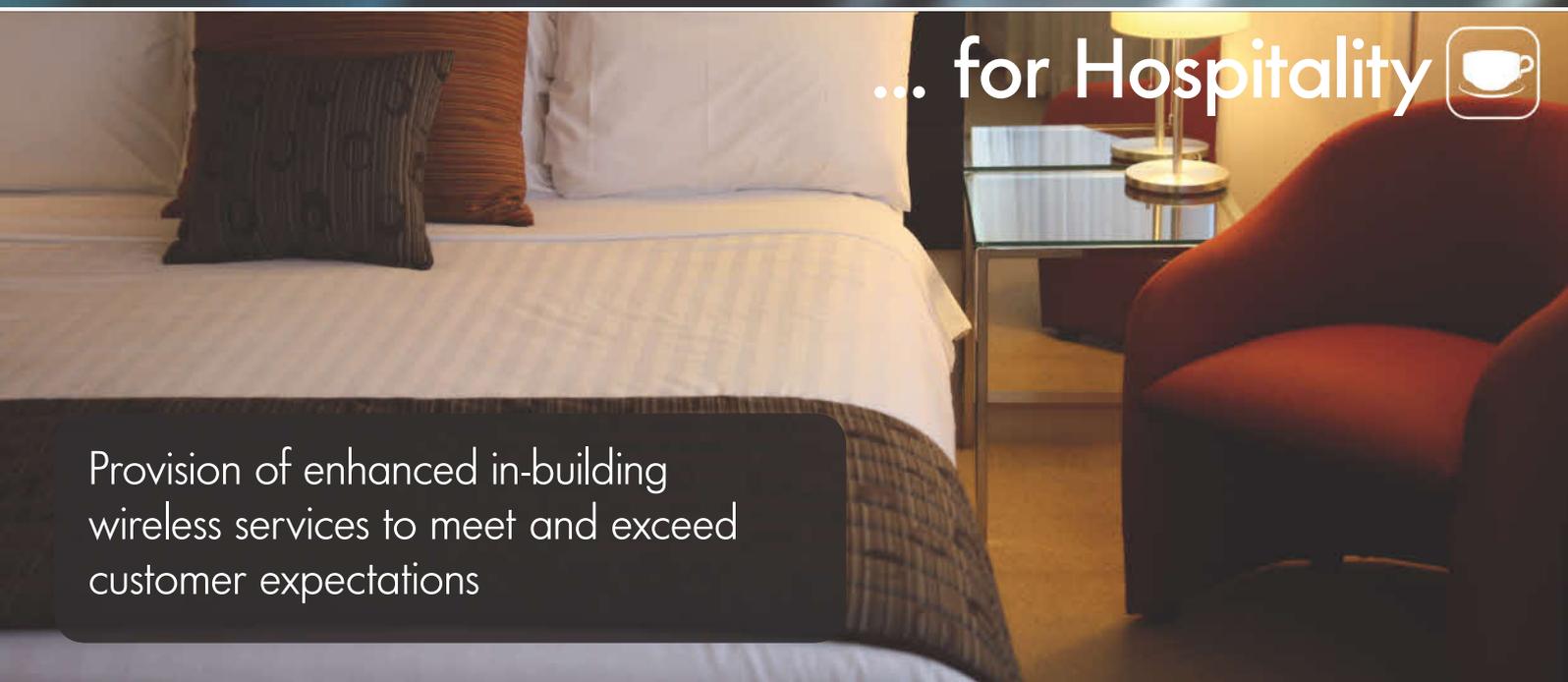# zinwave

The Wireless World Indoors

... for Hospitality

Provision of enhanced in-building wireless services to meet and exceed customer expectations

The Challenge

Today's guest expects to have the world at their fingertips. From businessmen accessing emails from their Smartphone or working on their latest presentation from their wireless laptop, to leisure travellers who want to remain in touch with friends and family; they expect coverage at all times, in all areas of the hotel. According to a recent survey, 54% of travellers who cannot get strong enough cell phone reception at a hotel may never return.* Security of all guests and staff within the hotel is an additional concern and one which can be enhanced with in-building wireless coverage.

Wireless services may include:

Commercial cellular communications

The emergence of pioneering, new mobile applications has dramatically increased the mobility and expectations of guests for ubiquitous coverage wherever they may be in the hotel.

Public safety communications

Hotel owners have the need and very often the regulatory requirement, to improve the provision of wireless services in their facilities. This is most apparent in the area of public safety. In recent years, ensuring the safety of emergency service personnel entering a building in their day to day work and in emergency or disaster situations has become critical.

Building automation

The ability to run applications such as motion sensors, door locks, lighting, alarm sensors etc...wirelessly over the core in-building infrastructure, reduces energy consumption, operating costs and disruption.

The Benefits of Enhanced Wireless Coverage

Many enterprises in the hospitality industry are now embracing in-building wireless technology as a means to solving the issues of cellular and WiFi coverage throughout the hotel complex. The provision of seamless, reliable coverage ensures that everyone from guests to staff can benefit:

- Optimisation of your IT expenditure through the provision of a reliable, in-building wireless coverage.
- Future addition of new applications with no disruption to guests
- Provision of a safe, secure environment through ubiquitous public safety coverage.
- Selective streaming of services to certain areas within the building or resort.

* Survey carried out in March 2009 by Repeated Signal Solutions (RSS) www.repeated signal.com

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How can you, as an IT provider, building owner or manager in the hospitality sector, effectively provide coverage for commercial and public safety wireless to meet guest's needs and regulatory requirements?
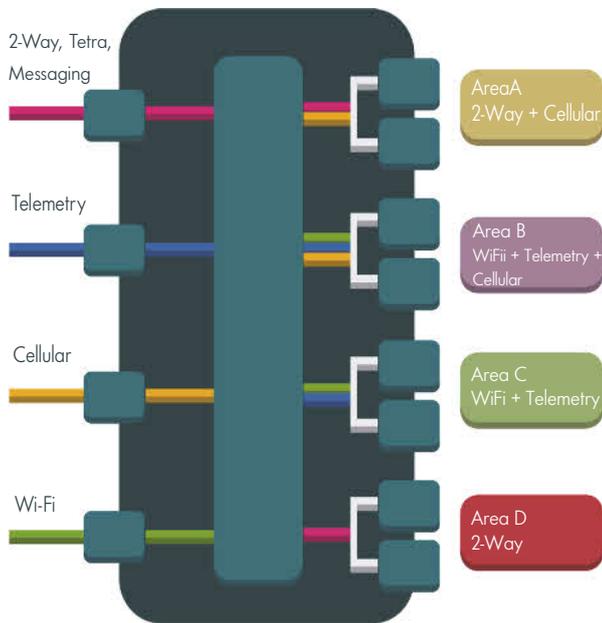
The Solution

There can be many challenges in the provision of in-building wireless coverage. Different building shapes and different materials such as steel and tinted glass, cause in-building penetration of RF signals to weaken resulting in reduced data rates and even complete loss of signal.

Zinwave's unique 3000 Wideband Active Distributed Antenna System (DAS) removes many of the traditional issues and considerations associated with delivering multiple RF services in buildings. It provides ubiquitous coverage for all wireless services on one easily installed system. In addition, services can easily be routed to the areas of the building where they are required i.e. WiFi can be routed to the foyer and bedrooms for customer use, but may not be needed in the kitchens - see diagram.

Summary...

Through the provision of in-building wireless coverage, the hotel ensures access to a mix of multiple wireless services for a very diverse range of guests across the whole complex an therefore ensures that customers are happy to return time and time again. However, it is essential that there is ubiquitous, reliable in-building coverage in place. Zinwave 3000 allows you the confidence that all expectations can be met and all future needs can be covered on one system.

Key benefits:

True Wideband - Supports any service, protocol and modulation scheme from 150MHz to 2700MHz

Low component count - With as few as four components, an in-building wireless network can be built to support any mix and any number of services

Lowest cost per sqm - Comprising of a single hardware layer, the Zinwave 3000 system becomes more and more cost effective compared to a traditional solution with each additional service

No costly upgrades - Additional services can be added without the need for supplementary hardware, therefore avoiding further cost & disruption

Easy planning & installation - Self- calibration and auto-configure features simplify design & deployment

One solution, one system for all your wireless needs...

2-Way, Tetra, Messaging

Telemetry

Cellular

Wi-Fi

Area A
2-Way + Cellular

Area B
WiFii + Telemetry + Cellular

Area C
WiFi + Telemetry

Area D
2-Way