zinwave

The Wireless World Indoors

... for Enterprise & Corporate

Provision of enhanced in-building wireless services to increase efficiency and reduce costs

The Challenge

Wireless technology is changing the way all businesses operate. Companies now accept that the adoption of in-building wireless coverage not only meets the needs of staff or tenants to have wireless access, anytime, anywhere; it can also increase staff productivity, save money and give them a competitive edge. "Tenants are starting to ask for in-building wireless in their lease contracts. Having it gives us an edge over competitors" **Tommy Russo, CIO Akridge Real Estate Services.** In addition to this, building owners have reported up to 10% reduction in insurance premiums on the basis that an in-building wireless communications system would make it a safer building due to improved fire and life safety.*

Wireless services may include:

Commercial cellular communications

The emergence of pioneering, new mobile applications has dramatically increased the mobility and expectations of staff for ubiquitous coverage wherever they may be in the building and enterprises are keen to provide their staff with the wireless service providers and services of their choice.

Public Safety Communications

Building 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

Improved wireless coverage throughout the building brings many advantages:

- Optimisation of IT expenditure.
- Staff work more effectively, productively and collaboratively.
- Provision of a safe, secure environment through ubiquitous public safety coverage.
- Selective streaming of services to certain areas within the building or campus.
- Create new revenue opportunities – attract new tenants
- Positive ROI for each stakeholder - cumulative value up to 20 X original investment with addition of public safety and security (Source: IBW Alliance "Wireless Overview" Vol5.)

* 'In-Building Wireless Leads to Insurance Rate Reduction'., April 3rd, 2008, RealComm,

zinwave

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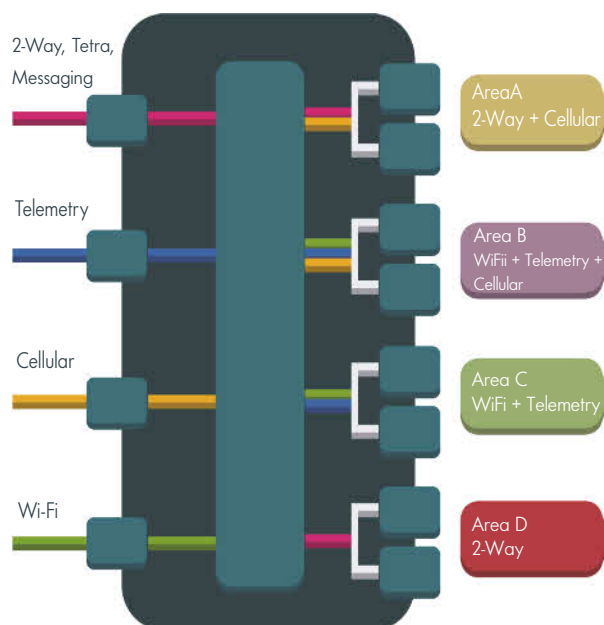
The Solution

There can be many challenges in the provision of in building wireless coverage. Different building shapes and different materials such as steel and blast proof 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. in a multi tenant building, each tenant can specify their particular service mix - see diagram.

Summary...

By enabling the latest exciting advances in wireless technology and emerging mobile applications, businesses can expect to gain many benefits including increase in ROI, productivity and staff safety. However, in order to take advantage of these exciting new developments, it is essential that there is ubiquitous, reliable in building wireless 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 136MHz 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