



Wireless connectivity throughout any building



- Indoor wireless installations for full mobile connectivity
- One integral installation for all operators, all mobile networks (2/3/4G)
- Can also cater for all private or public safety networks
- Full service provisioning of indoor wireless installations
- Offices, hotels, exhibition- and shopping centers, etc



Enhancing buildings' value and user experience through Indoor Wireless

Walking the corridor whilst calling on the phone and ... gone is the call. Having to be standing close to the window with one's smartphone in order to be able to receive a mail... Or simply no coverage at all... Familiar situations ? These conditions prevail more and more often in offices and corporate buildings, but equally in shopping centres, event venues, hospitals, train stations, etc.



Communication – wireless and wired - used to be '*nice to have*' but in today's world has become '*need to have*'; we tend to depend on it. This trend is also visible in developments such as 'mobile only' or 'bring your own device' that organisations are now witnessing or implementing. The need for always on, always connected communication in today's trend towards flexible working is eminent both outside as well as inside buildings.

Modern buildings however, do not always allow for wireless signals to travel through them all that easily. Often, signals are hampered by steel, thick walls or isolating windows with metal coating on them. Good thermal isolation usually also leads to severe isolation for wireless signals !



Wireless usage and developments inside of buildings can be facilitated however ! These solutions are generally addressed as **indoor wireless solutions**. They typically comprise amplification and an antenna network, a signal distribution network and some signal sources such as repeaters or base stations. Such a network then forwards the signals of *all* operators and *all* types of mobile networks (GSM, LTE, etc) into the building. Likewise, the system can

also be deployed to distribute signals of proprietary systems such as private radio's, enterprise GSM, nurse call systems or devices for the company's own emergency services. If the building happens to be subjected to the obligation of providing wireless coverage for the public safety forces (C2000, Astrid and BDBOS in resp NL, BE and DE), then an indoor wireless network typically also caters for those obligatory signals.



Typical cases are offices, shopping centres, stadiums, hospitals, stations, exhibitions, hotels, etc.

Such an indoor wireless network can easily be regarded as a next generation of **building utilities or facilitating infrastructure**. In addition to lighting, ventilation, sanitary and HVAC facilities, the building can just as well dispose of wireless communication facilities as *enabling* service.



With an *indoor wireless* facility, a building becomes more appealing to tenants, has this little extra value in comparison with others and becomes entirely up to standard for 21st century usage! So indeed:

enabling ultimate wireless mobility !

For more: www.ulwimo.com