Room Area Network

### A connection experience just like at home

wifirst

// The Room Area Network, an innovative approach to managed networking

WiFi as traditionally installed in collective accommodation is based on an open network and the use of a captive portal for authentication. This means that all users connect to the same network which they can access throughout the facility, but communication between devices is blocked for security reasons, to prevent everyone's data from being accessible on the network. In addition, the captive portal prevents certain devices from connecting.

Wifirst has overcome these limitations by creating a truly home-like connection experience, the **Room Area Network (RAN).** The RAN is a secure WPA2 network, to which the user connects with a password of his own, as with a consumer box, but keeping the advantages of collective WiFi: a single network, accessible throughout the establishment.

With Room Area Network
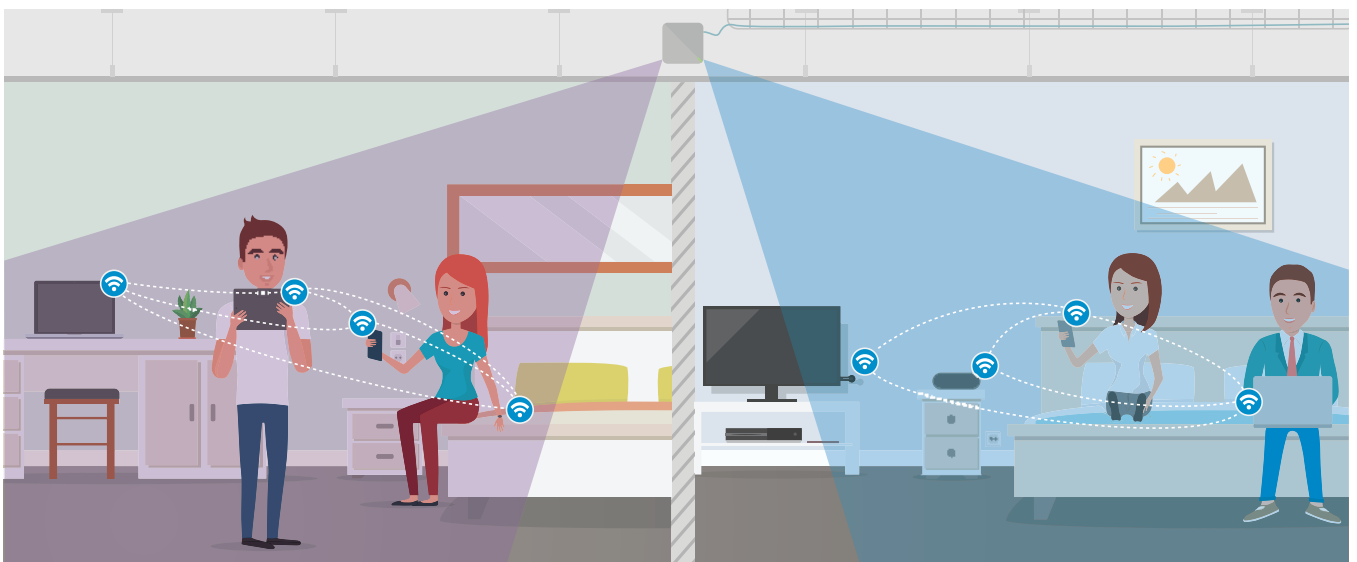
Without Room Area Network

// Room Area Network paves the way for connected objects

Everyday life is nowadays invaded by devices that need to be connected to the WiFi network in order to function and communicate with each other: smartphones, computers, game consoles, printers, Chromecast or connected light bulbs. These products are designed to be connected to the home on consumer boxes, but this is usually impossible on collective WiFi architectures. Wifirst has overcome these limitations with the **Room Area Network.** The best of both worlds!

Use cases	Public network box	Classic managed WiFi	Managed WiFi RAN
One network for the entire building	-	✅	✅
Dedicated network for business use	-	✅	✅
WPA2/3 secure personal network	✅	-	✅
Roaming within the building	-	✅	✅
Professional deployment and support	-	✅	✅
Centrally managed network	-	✅	✅
Ability to connect with Chromecast	✅	-	✅
Possibility to connect a WiFi printer	✅	-	✅
Possibility to connect connected light bulbs	✅	-	✅

KEY ADVANTAGES

- Simple home-like connection experience for residents
- Maximum security for the facility's connected objects
- WiFi and IoT networks on the same infrastructure to limit complexity and costs

// About Wifirst

Wifirst is a European leader in managed WiFi with over 200,000 access points maintained and supervised 24/7 in 17 countries. Wifirst provides «WiFi as a Service» tailored to each customer: on-site audit, deployment, supervision and proactive maintenance. Wifirst develops a secure and scalable network that ensures an intuitive experience for its customers.