BUILDING THE FUTURE SENSOR NETWORK FOR SMART HOMES
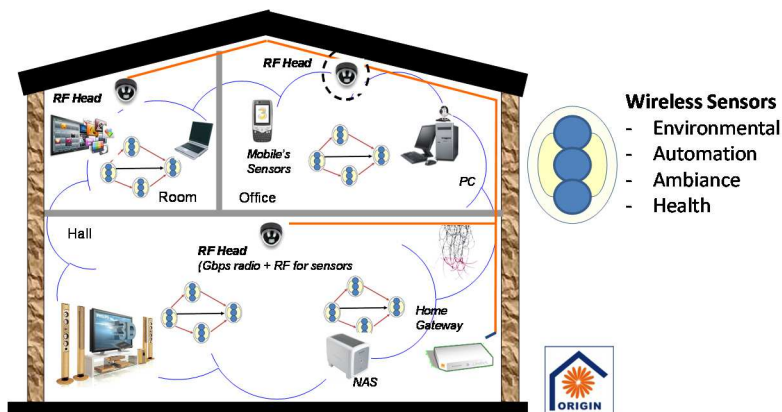
sense CITY

Description:

The project is really open to the imagination of students in the direction of **building an innovative and futuristic smart home networks.**

The project will benefit from a novel wireless infrastructure for home area sensor networks and will benefit from the mini-city demonstrator "Sense-City", in which they could deploy their own idea of sensing and interconnect home appliances.

The infrastructure operate in Zigbee, Bluetooth and Mbps WiFi bands.

Student work will be:

- Deploy the wireless infrastructure from off-the-shelf components
- Deploying sensors networks and monitoring their consumption
- Developing a web application to monitor or control the house according to the students personal imagination
- Eventually building up new (optical) sensors depending on students ambition and imagination

Team:

The project is intended to a team of 3-4 students who will cooperate with an international team.