



Intelligent lighting -

For the new normal and the future –

More than meets the eye!

Prepared and presented by
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BHA School of Lighting

Technology recap



64 KB RAM and 20KB ROM



2MB RAM and 486 MB Floppy Disc



20MB Hard Drive and 2MB RAM
8kg



3.55MB Storage
12kg
Battery life 20 mins

Samsung Galaxy S10+



8 or 12GB RAM

28GB Storage to 1TB
Storage

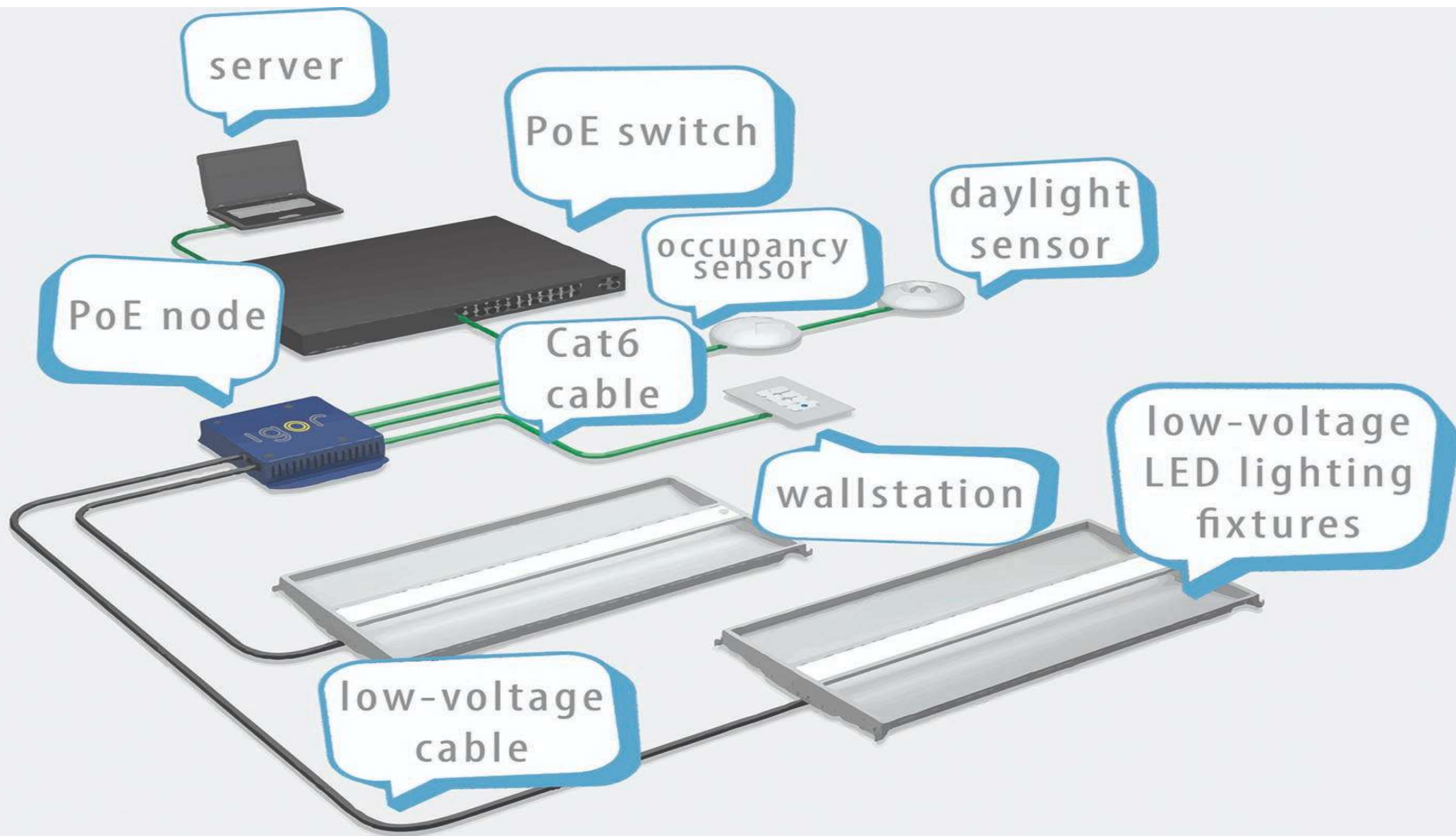
QHD

175gram

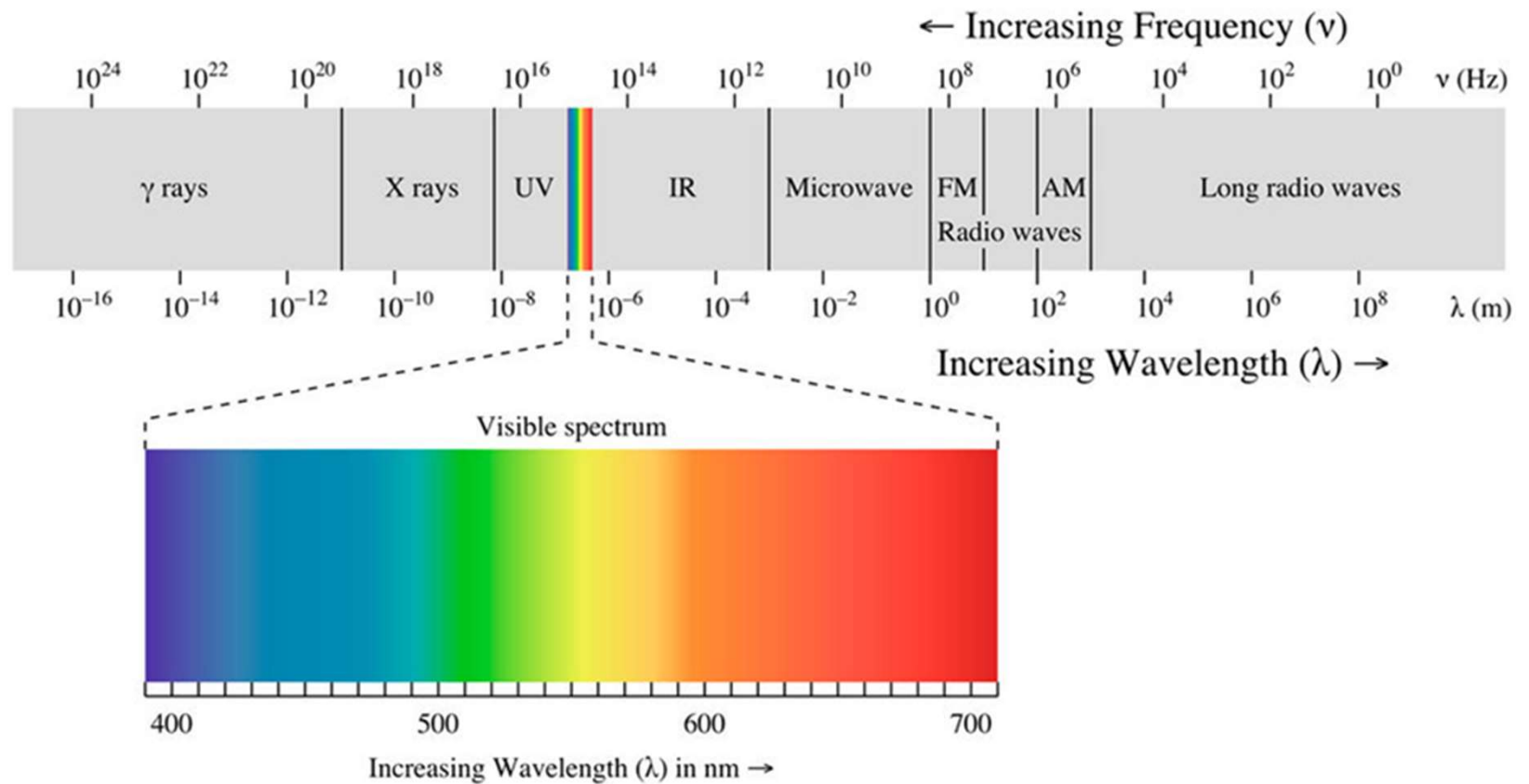
Triple Cameras

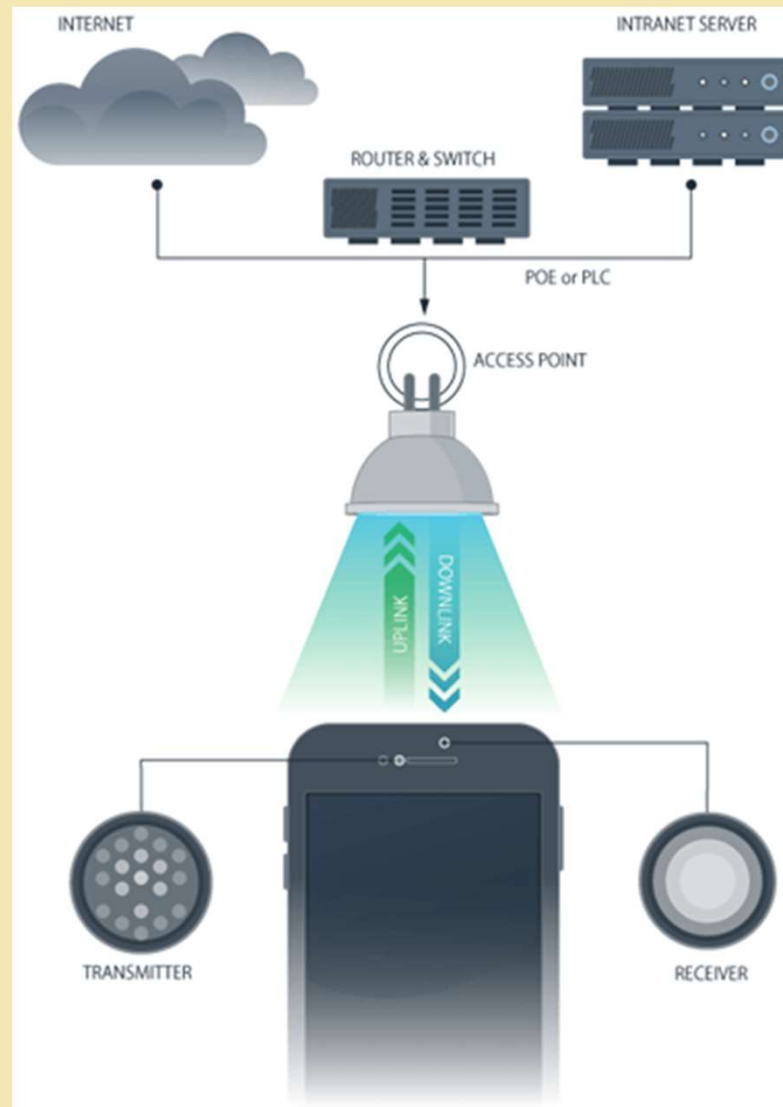
Sound zoom in





How VLC works





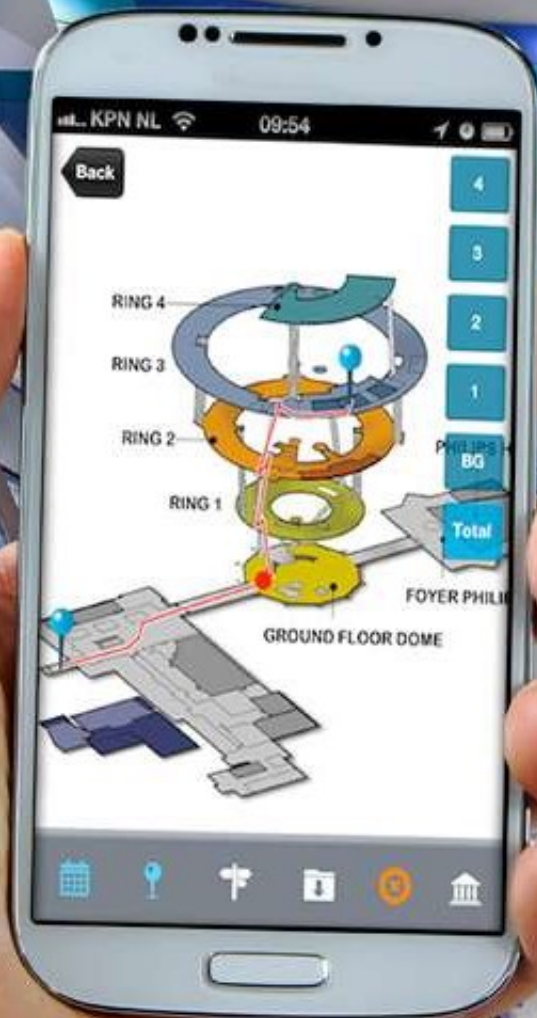
The Primary Equipment





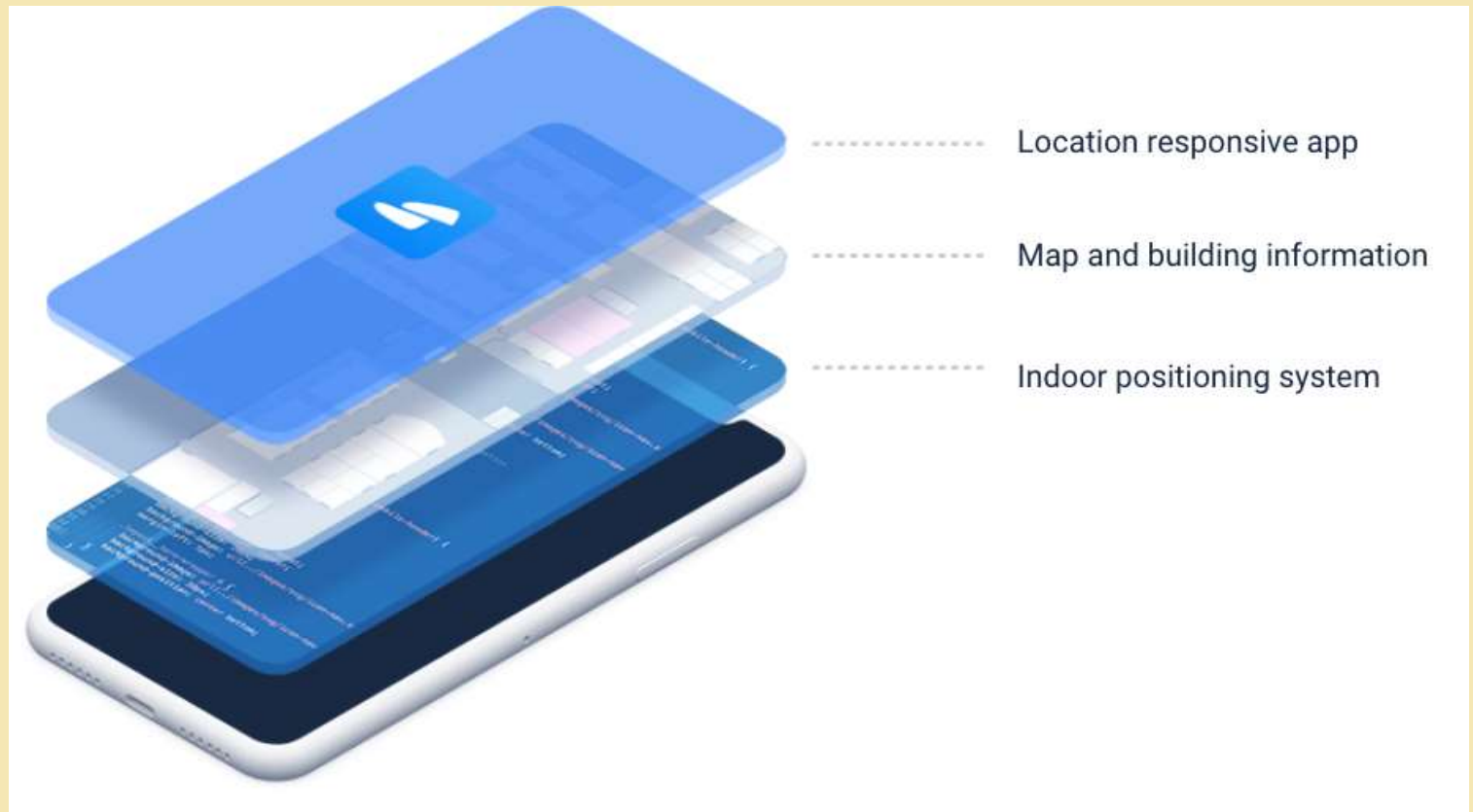
Indoor Positioning System (IPS)

- An indoor positioning system is a network of devices used to locate people or objects where GPS and other satellite technologies lack precision or fail entirely, such as inside multi-storey buildings, airports, alleys, parking garages, and underground locations

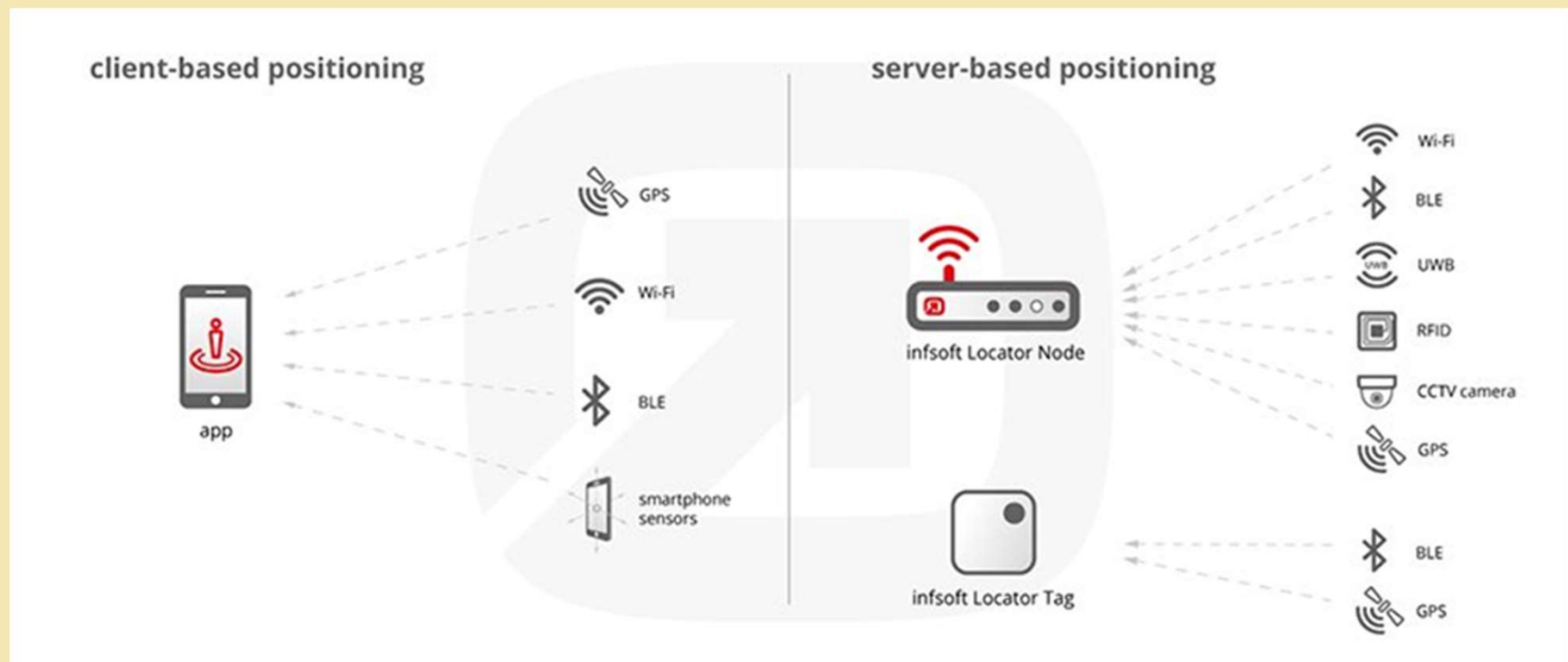




Three Layers of Location Based Services



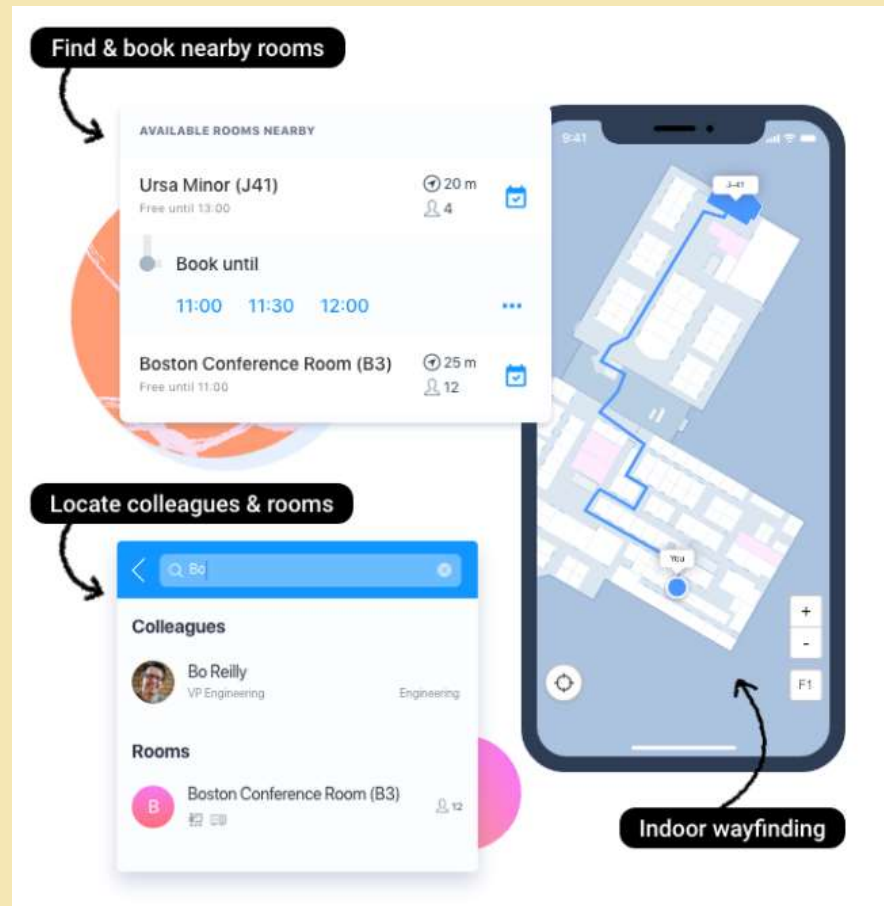
The IPS System Approach



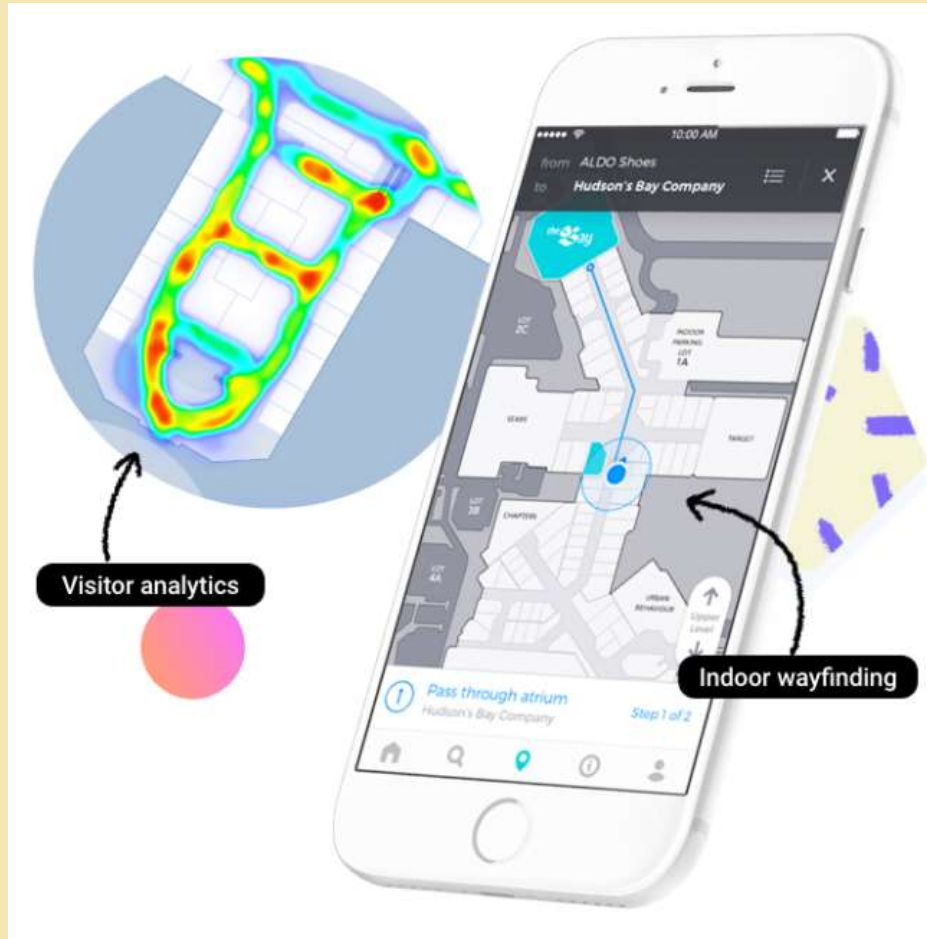
The Amazing Smartphone that we take so for granted



Smart Offices

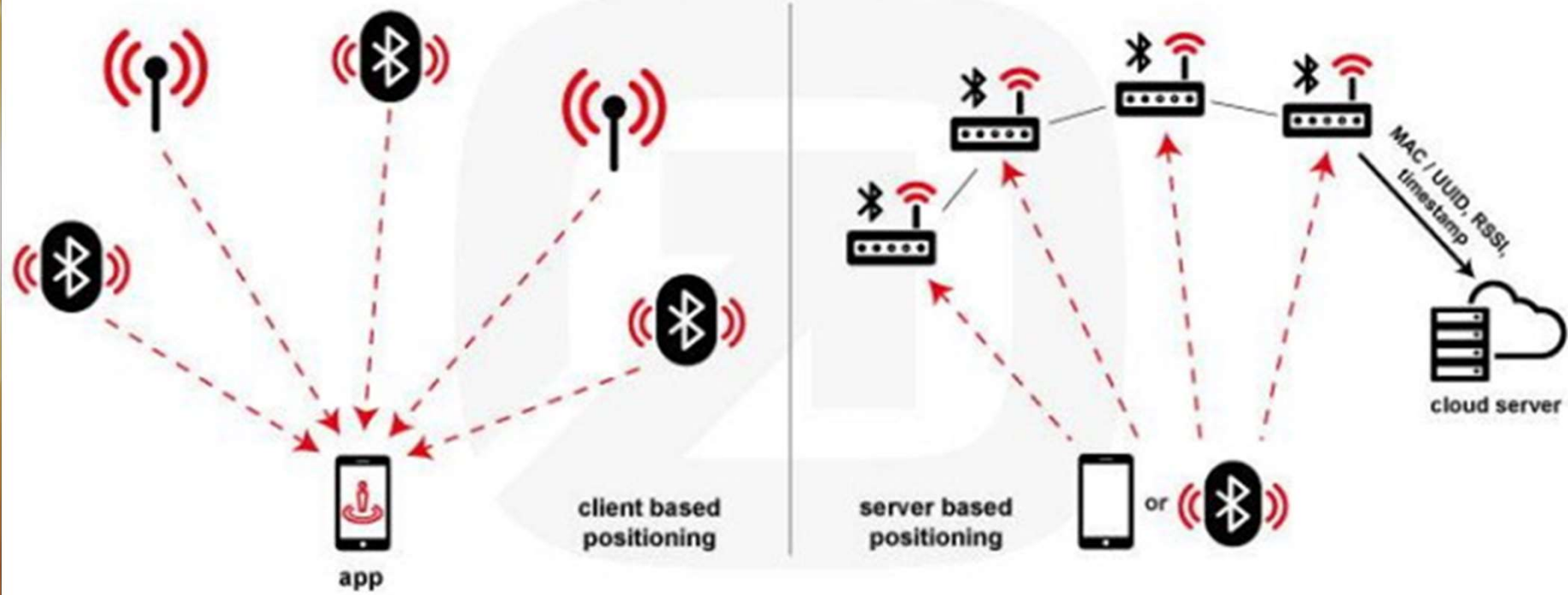


Shopping Malls



The Proximity Beacon







Carrefour Supermarkets – Spanish Android App

Brochures

Stores

Savings
cheques and
coupons

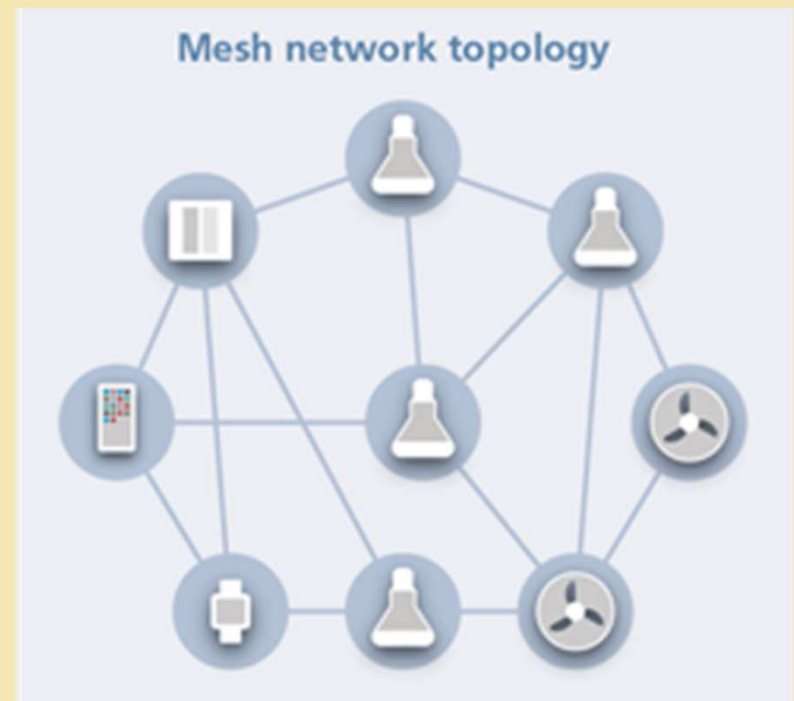
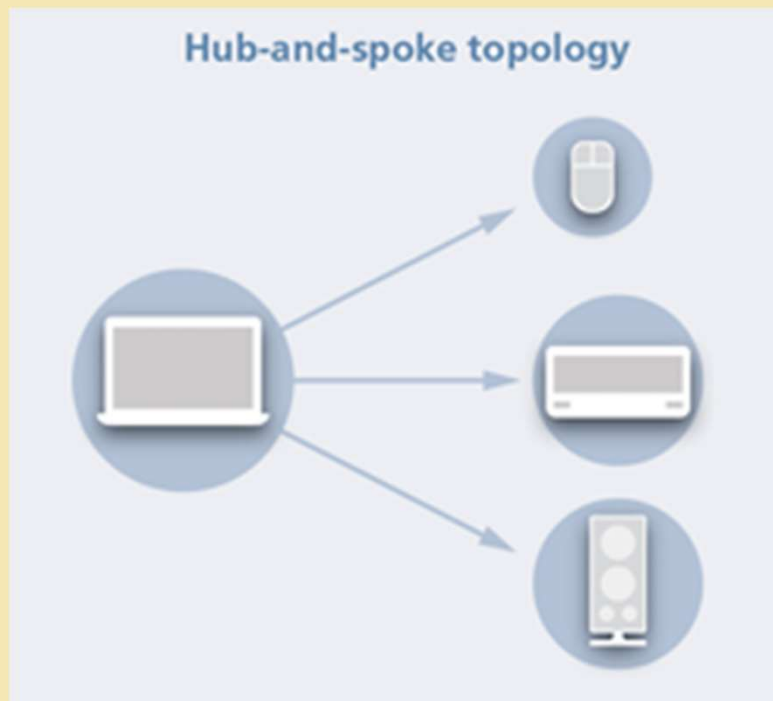


Buy/checkout

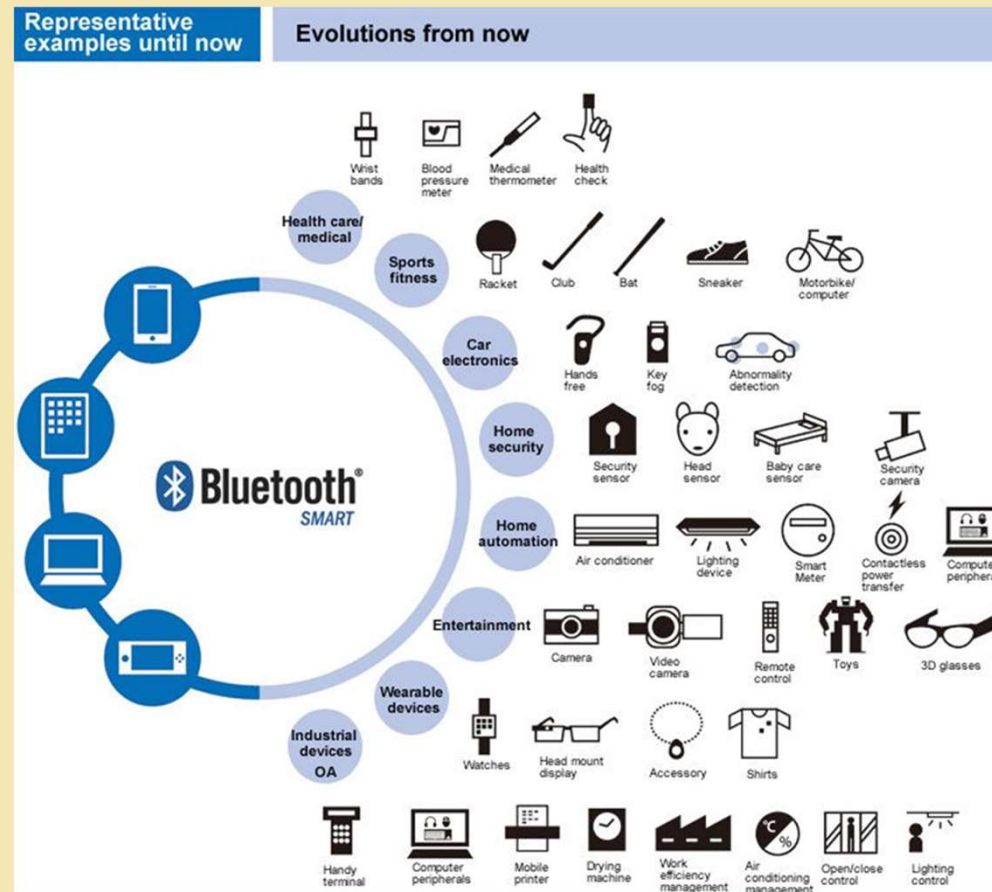
My Lists

More

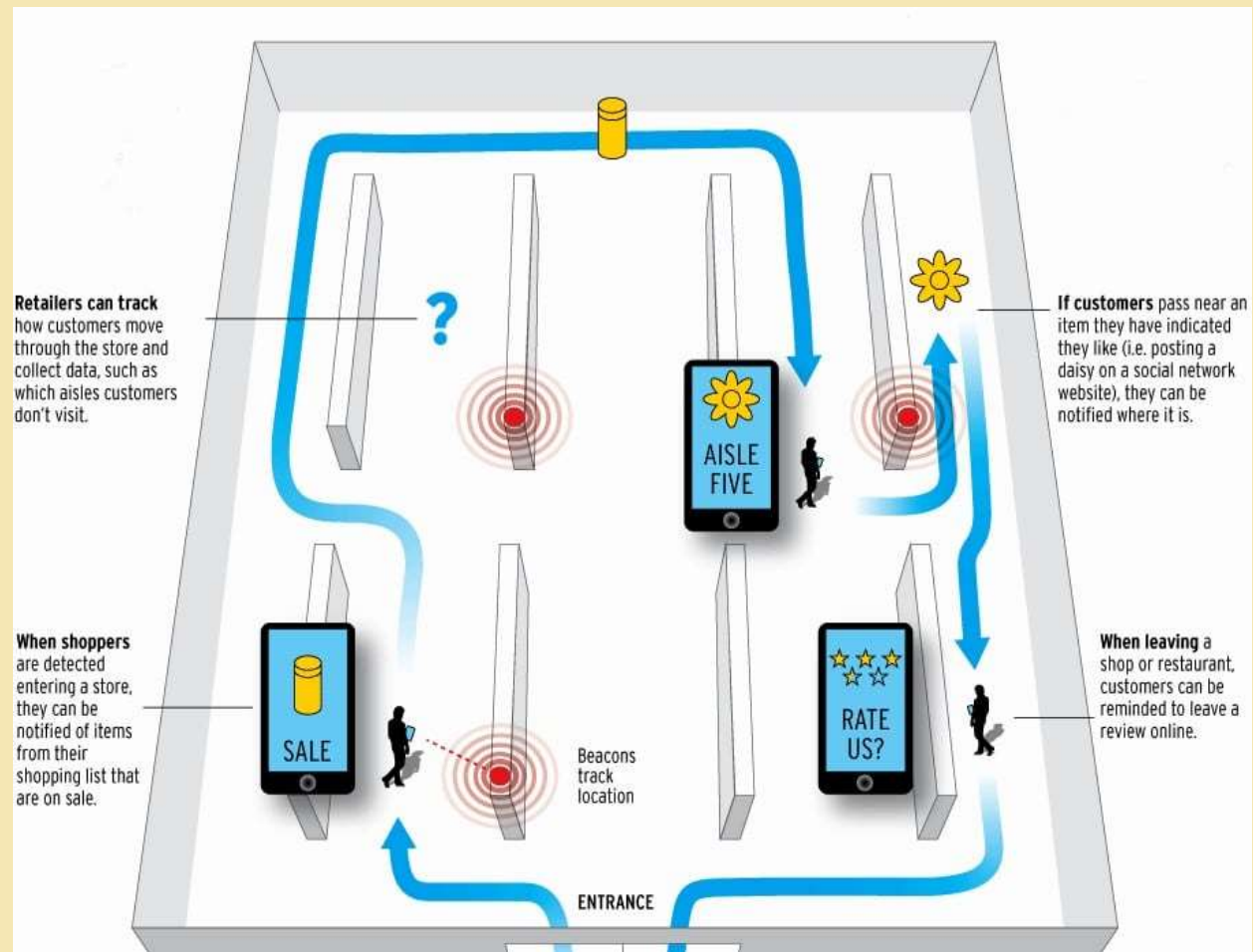
Bluetooth vs Bluetooth Mesh



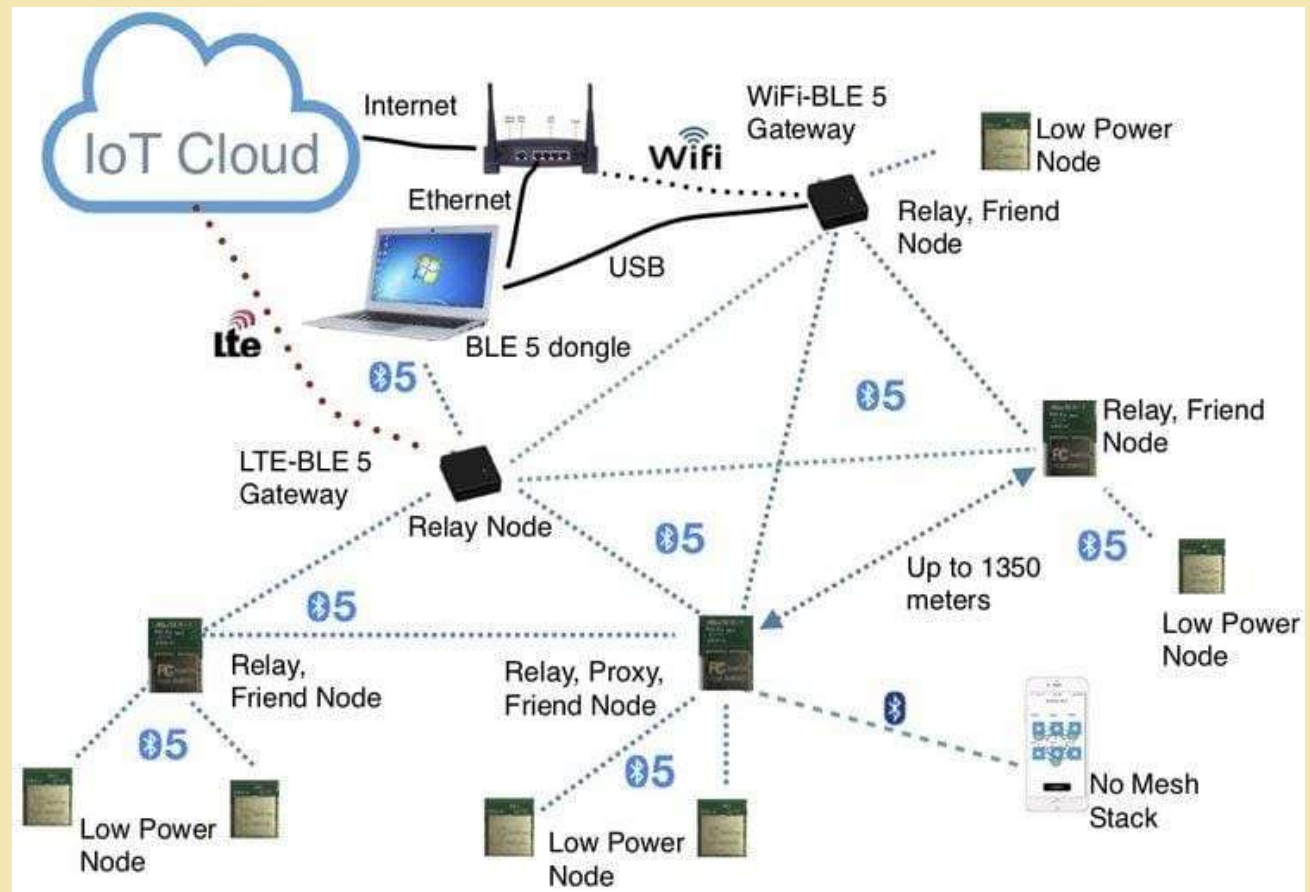
The Bluetooth Mesh System



BLE with Locating Services

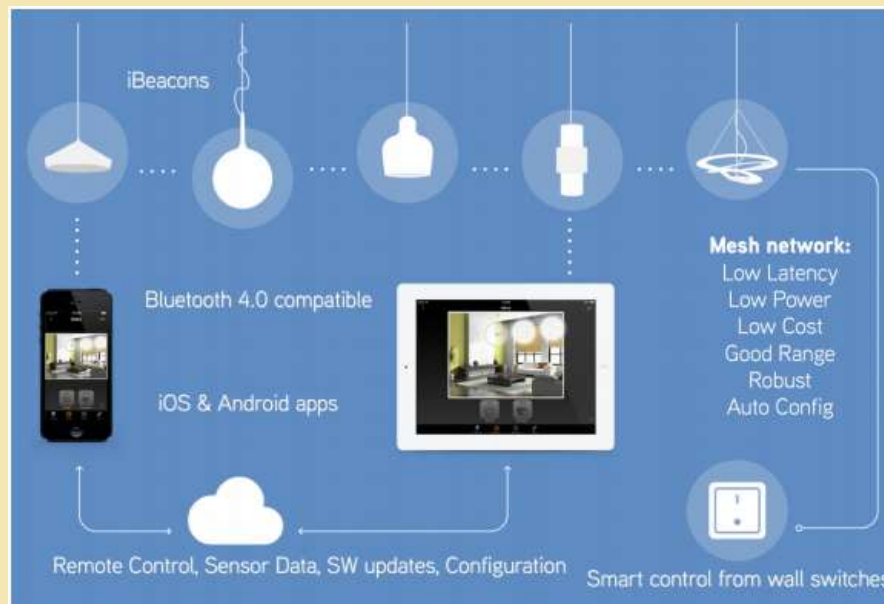


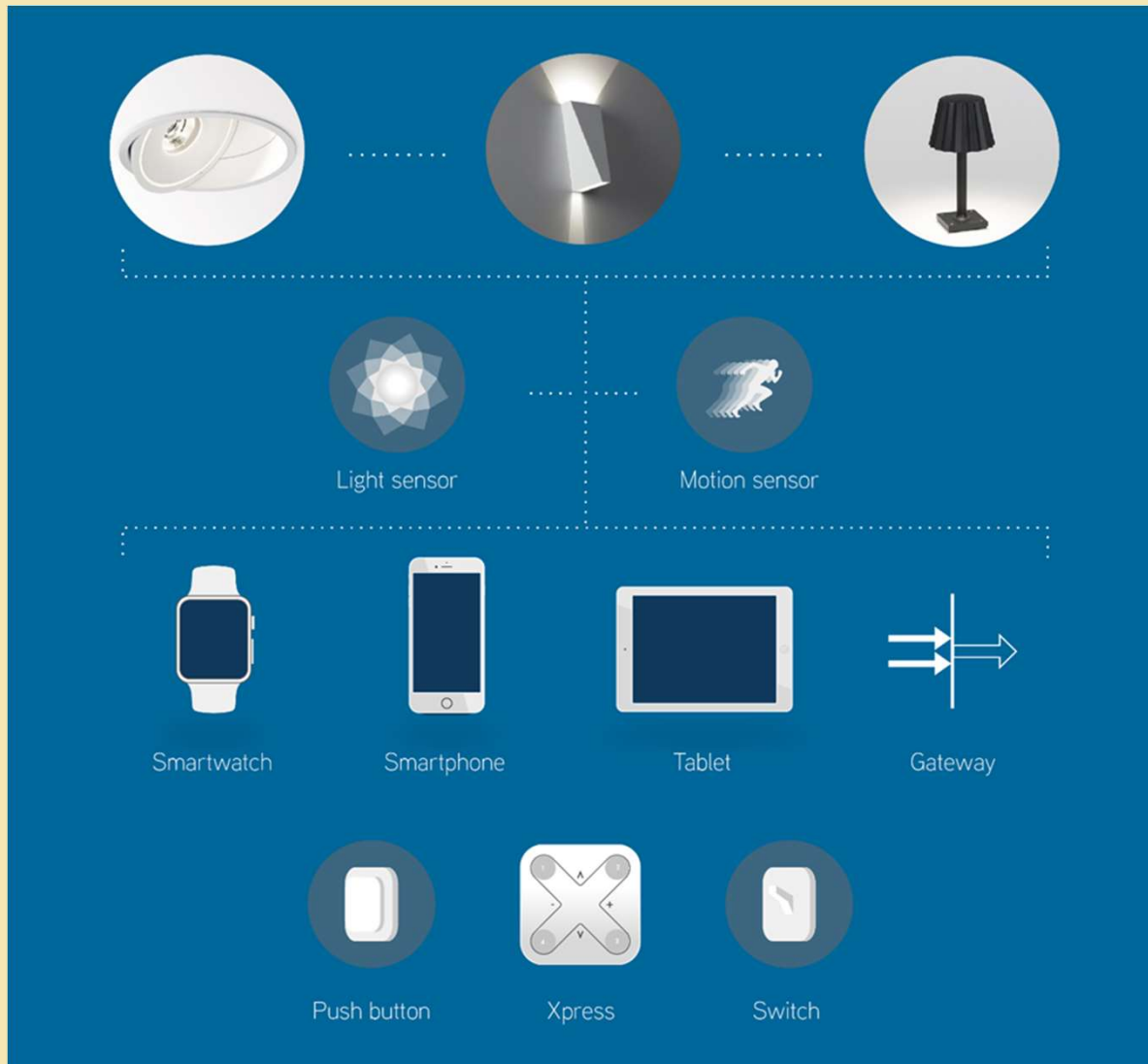
Bluetooth Mesh for Lighting and other Services

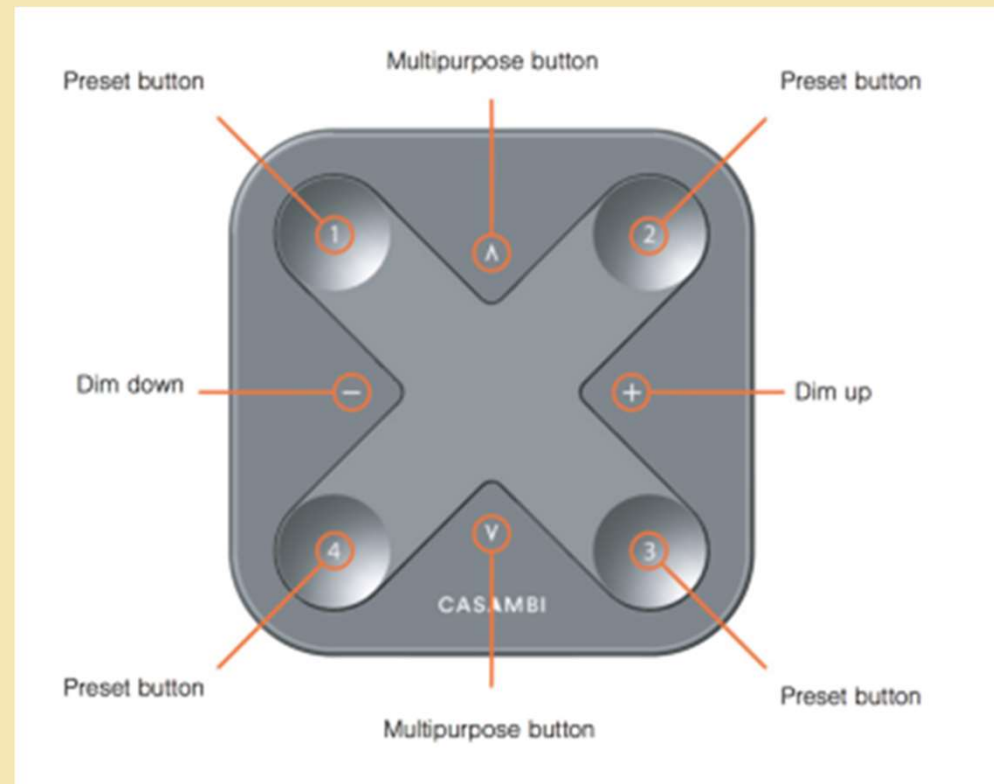


CASAMBI

- **Casambi** is an advanced lighting control solution based on Bluetooth Low Energy (BLE) – it is not compatible with Bluetooth Mesh.













Thank you for the privilege of being able
to present this to you

- I will gladly answer any questions
- Thank you and goodbye