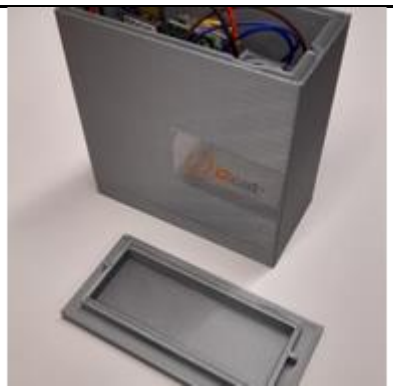
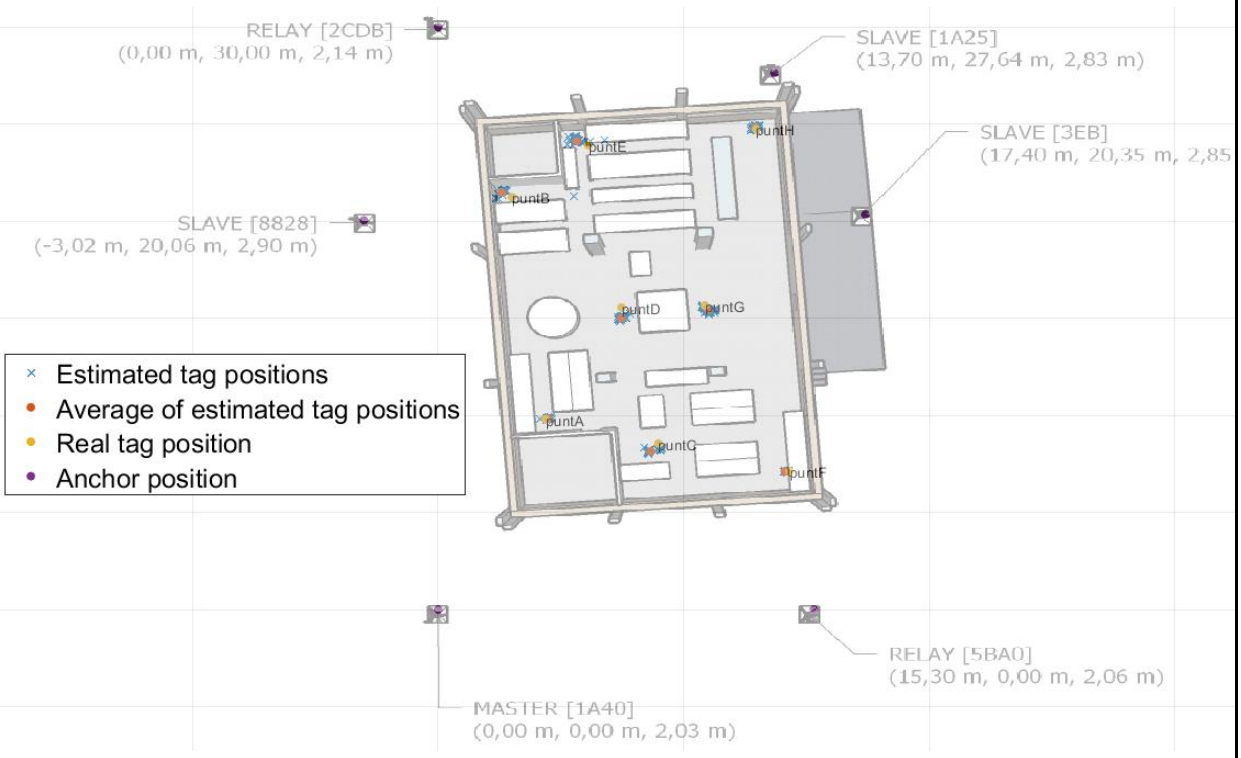
UWB location system by i2CAT

Picture	  
Brief Description	Tracking system based on the UWB technology, consisting of the target tag, reference devices, and the corresponding positioning algorithm.
Main Functionality	The UWB location system is able to accurately track a tag, which can be attached to a person or to a device, within the area determined by a set of reference devices.

RESPOND-A has received funding by the European Union's Horizon 2020 – Research and Innovation Framework Programme, under grant agreement no 883371.

Main Capabilities	• The tag itself estimates its own position in real time without the assistance of an external computing platform. • Computed positions can be easily transmitted via a wired or a wireless connection (e.g., WiFi). • The resulting position accuracy is equal or better than conventional GPS (i.e., ≤ 10 meters). • All devices of the UWB location system have reduced dimensions and can be powered with batteries or electric supply.
Use Case (s)	The system is suitable for emergency use cases in which it is necessary to track the position of a First Responder inside a building during a rescue operation (e.g., a fire, or a collapsing building after an earthquake).

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