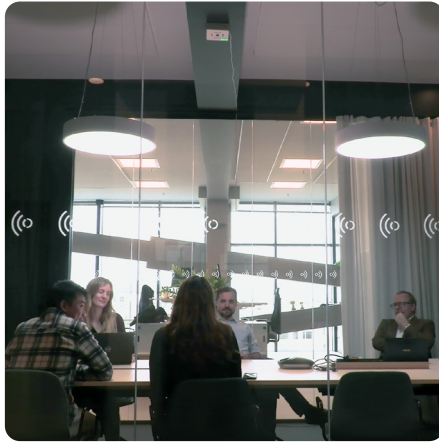# Smart Presence A121
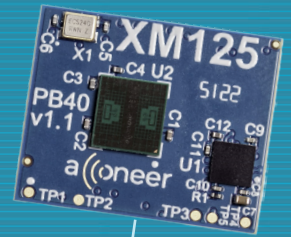
Reference Application

EXPLORE THE NEXT SENSE

A reference application is Acconeer's way to give our customers a jump start in their development. This reference application for presence detection can be used together with our XM125 module or in any custom design created by you. Typical use cases are presence detection in rooms of any kind (at home, in the office, or even in the car; the possibilities are endless) and cases where you would like devices to be turned off unless there is someone there.
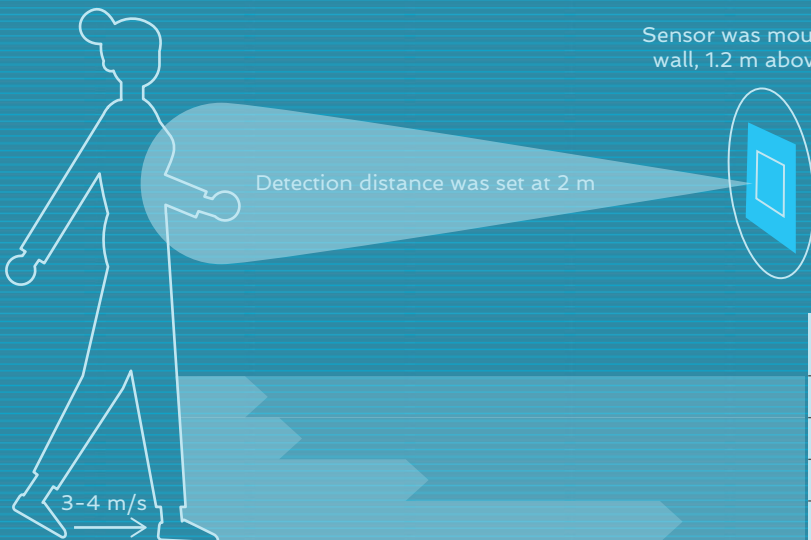
Proof of concept for smart presence use case

Sensor was mounted on wall, 1.2 m above floor

Detection distance was set at 2 m

3-4 m/s

Update rate	Trigger distance	Power usage
10 Hz	1700 mm	2.720 mW
5 Hz	1600 mm	1.379 mW
2 Hz	1200 mm	0.563 mW
1 Hz	400 mm	0.232 mW

Memory usage

FLASH	81.2 kB
RAM	12.7 kB

The higher the update rate, the quicker the detection, but also the power consumtion.

Download SDK including reference application at:
www.developer.acconeer.com

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