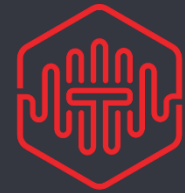
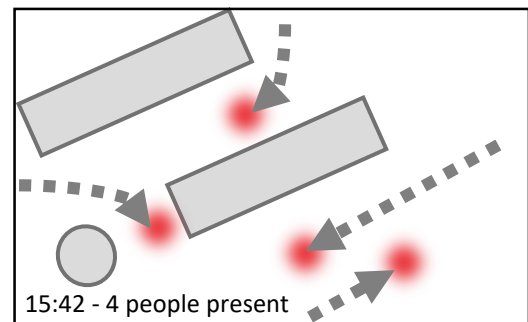


# PEOPLE TRACKING WITH 3D ULTRASOUND



TOPOSENS

- **3D sensor** for precise tracking of people through the complete building in real time
- **Absolute anonymity** and maximum discretion
  - no personal data is identified or collected
  - no visible lens
- **No active component** needed!



## People Tracking

To really make a building smart, you need to know how people are using it, especially where people are currently located and how people move around the building over the course of the day. Existing sensor solutions in this area show some serious disadvantages: They are expensive, not robust and intrude heavily into people's privacy.

The Toposens 3D Ultrasound Sensor solution is a passive sensor system, mounted on the ceiling. The sensor **precisely tracks the real-time location of every person** and also aggregates this data over any given timeframe to get an insight into how a building is used. The sensor works under any lighting condition and is low-cost by nature. Most importantly, by using an ultrasonic frequency, people cannot be identified neither can any spoken language be recorded.

## Applications

Installed in an **office** or any other **commercial building**, the sensor can be used to **automate lighting, heating and air-conditioning** and thus save energy.

In **retail stores**, the sensor can track people flows throughout the store to gather important information on **offline shopping behavior**. It can precisely see where people spend a lot of time vs. spaces that people are not interested in, without compromising people's privacy.

The sensor can also **detect falls** and is therefore very well suited for AAL (ambient assisted living) applications, e.g. in **elderly care homes**.



Are you interested in learning more about 3D ultrasound?  
Please get in touch!

Toposens GmbH  
Blütenstraße 15  
80799 München

+49 89 2375 1540  
www.toposens.com  
info@toposens.de