



sevensense

## AUTONOMY FOR SERVICE ROBOTS

Sevensense enables robots to move out of the factory floors towards public and dynamic spaces, where they can interact and cooperate with humans, unlocking a million new applications and boosting operational efficiency.

We focus on the design of a revolutionary autonomous navigation system which provides the intelligence to machines and empowers them to safely complete tasks independently. We build our technology in a modular software and hardware suite which can be easily integrated on a variety of mobile platforms.

### Localization



The basis for every autonomous mobile robot is knowing its position precisely and robustly. By fusing multiple sensor modalities with sophisticated software algorithms, we equip your robot with the necessary tools to localize reliably even in challenging environments.

### Navigation



Autonomous machines need to smoothly navigate in challenging environments. Hence, our navigation solution enables advanced motion capabilities to seamlessly avoid obstacles and guarantee safe operations.

### Inspection



Inspection and surveying of hardly accessible or very large locations constitutes a clear challenge for humans. Our high-precision technology allows to accurately build large-scale 3D models of the environment, from construction sites to industrial plants, in very short time.

[www.sevensense.ch](http://www.sevensense.ch)

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