



Indoor Tracking for Security

Using indoor positioning systems is the modern way of keeping track of security guards within a building. Since more than one guard may be deployed, it is important to get an overview of their distribution, how much time they spend in which area and to be informed in the event of an emergency. The magic behind the indoor tracking enabling solution is a cutting-edge technology based on iBeacons and/or WiFi provided by indoo.rs.

Beacons as Checkpoints

This form of tracking is ideally suited for use cases, where the sole confirmation of a guard's presence in a specific room or area is sufficient. In this case, Beacons serve as checkpoints, which the guard has to pass. By passing the Beacon, it will send a signal to the guard's mobile device which then reports back to the back-end tool. That way the guard's position is verified, which proves that the check has actually taken place at the respective Beacon. The specific time will be documented in a protocol.

Full Navigation

The full navigation approach enables more precise tracking within the respective premises. In contrast to tracking with Beacons as sole checkpoints, full navigation relies on advanced technology, smoothly drawing the exact route of the guard as he/she walks. This form of tracking makes sense, when the accurate position of the guard at any time is needed, showing how much time he/she spent at which location.

The collected analytical data is visualized through heat-maps, which show the guards' motion patterns. In addition, the average time spent for each round the guard walks as well as his/her speed are calculated and depicted in graphs.

In the event of an incident, the respective guard's position will be displayed in red and an alarm will be set off to inform the supervising team. This may either apply if a guard does not pass the Beacon within a given timespan, departs from his/her intended route or passes the wrong checkpoint.