



## insoft Wayfinding

In large buildings or on wide campus areas, there are many destinations that visitors and employees want to reach. insoft Wayfinding helps users to get to the desired location quickly and easily. The product can be used in buildings such as hospitals, airports and office complexes across indoor and outdoor areas. The solution includes a map of the location that offers an overview of the premises. Furthermore, points of interest (POI) can be found directly on the map as well as via a search bar and the shortest way can be displayed. On mobile devices, the app can also offer real-time turn-by-turn navigation and further assist the user.



### Digital 2D/3D Building Map

The solution provides 2D and 3D maps of the individual floors of all buildings on the site. The user can see their own location as well as relevant destinations on the premises.

### Turn-by-Turn Navigation

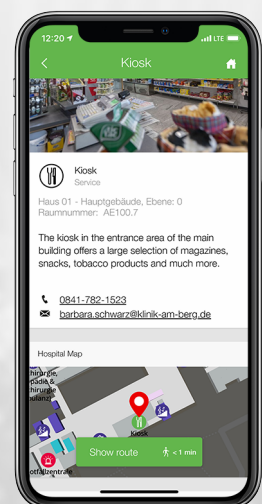
The user can be navigated to any destination on the site. Using turn-by-turn navigation, the user follows the directional instructions displayed in the wayfinding app.

### Information about Points of Interest

In addition to the position of the destinations, further information about them can be found. This may include a brief description, opening hours and contact details.

### Implementation

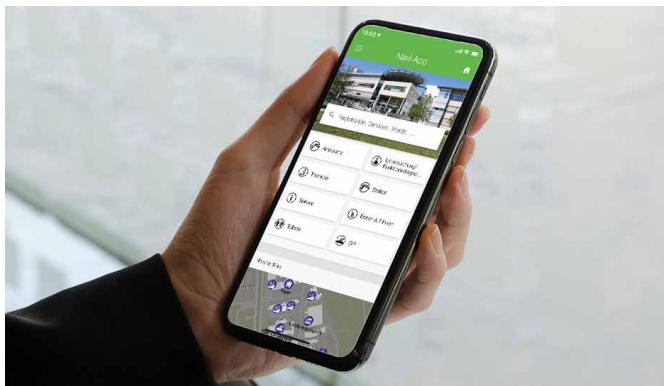
Depending on the requirements for the solution at the respective location, insoft Wayfinding can be implemented as a native app, a progressive web app or a stationary terminal. It is also possible to combine the applications.



The use of our setup tools is always included in the solution. With insoft Maps Editor, insoft CMS, insoft Routes and insoft Calibration, the application can be flexibly configured according to the customer's needs. Using our SDK (Software Development Kit) it is also possible to integrate the technology into existing applications. For office environments, insoft Wayfinding can furthermore be integrated into a Workplace Experience app.

### **Native App**

A native app can be downloaded to any smartphone or mobile device. To realize positioning and enable real-time turn-by-turn navigation, transmitter hardware is installed across the building. The device receives the signals and the localization takes place inside the app.



### **Progressive Web App**

A progressive web app is accessible via web browser on any device and from any location. It includes all the functionalities of the native app without the real-time localization. It is also not necessary to download the application to the end device.

### **Terminal**

One or several stationary terminals can be installed at relevant points inside the building. The terminal provides visitors with an overview of the location, shows points of interest and simulates a navigation to the chosen destination.



## **Technical Implementation for Native App**

Bluetooth Low Energy (BLE) beacons (or insoft Locator Beacons) are installed at regular intervals throughout in the building. The beacons emit signals which are received by the users' smartphones. Based on the received signals, the position of the device is determined directly in the smartphone app.

Inside the app, the user can select a navigation destination and follow the directional instructions to their destination.

## Required Hardware for Native App

insoft Locator Beacon



This battery-powered Bluetooth hardware component is particularly suitable for further localization systems such as a tracking solution if planned at some point in the future.

OR

BLE Beacon



Small, unobtrusive and energy-efficient Bluetooth Low Energy hardware, which is used when exclusively a navigation solution is implemented.

## Deployed Software



insoft Maps Editor



insoft CMS



insoft Routes

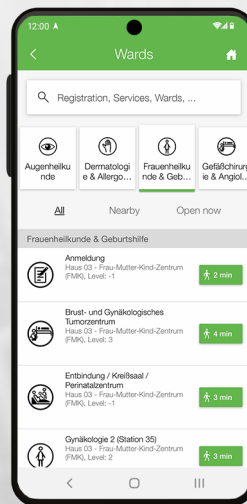
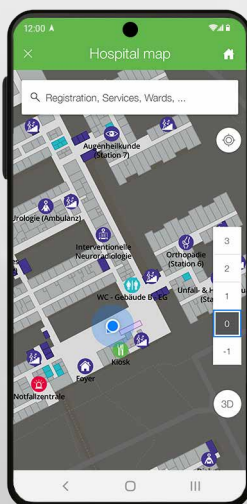


insoft Calibration



insoft Software Development Kit (SDK)


## insoft Wayfinding | Impressions





## Cost Example

€ **One-time investment**  
€84,000

 **Annual costs**  
€9,600

Includes App for iOS and Android, hardware, 800 Locator Beacons incl. mounting bracket, project management, initial data import, digitization, route graphs etc.

The number of users is unlimited.

Operation, maintenance and hosting including use of the tools infsoft Maps Editor, infsoft CMS, infsoft Routes, infsoft Calibration with unlimited number of content updates, technical adaptation of the application to ensure technical functionality during operating system updates.

① There will be additional costs for the integration of extensions such as a Colleague Finder feature.



More information

- [infsoft Wayfinding](#)

### Imprint

© **infsoft GmbH 2022**. This content is protected by copyright. All rights to content and design are with infsoft GmbH. You may not copy, republish, modify or transfer this work without prior written and agreed consent of infsoft. Our content is regularly edited and carefully checked. However, we do not accept any liability with respect to the correctness, completeness and current status of the information offered here. All mandatory legal details can be found under: [www.infsoft.com/company/contact](http://www.infsoft.com/company/contact)



**Publisher**  
infsoft GmbH  
Junkers-Ring 10A  
85098 Großmehring  
Germany

**Contact**  
Phone +49 8407 939 680 0  
Fax +49 8407 939 680 12  
[contact@infsoft.com](mailto:contact@infsoft.com)  
[www.infsoft.com](http://www.infsoft.com)

