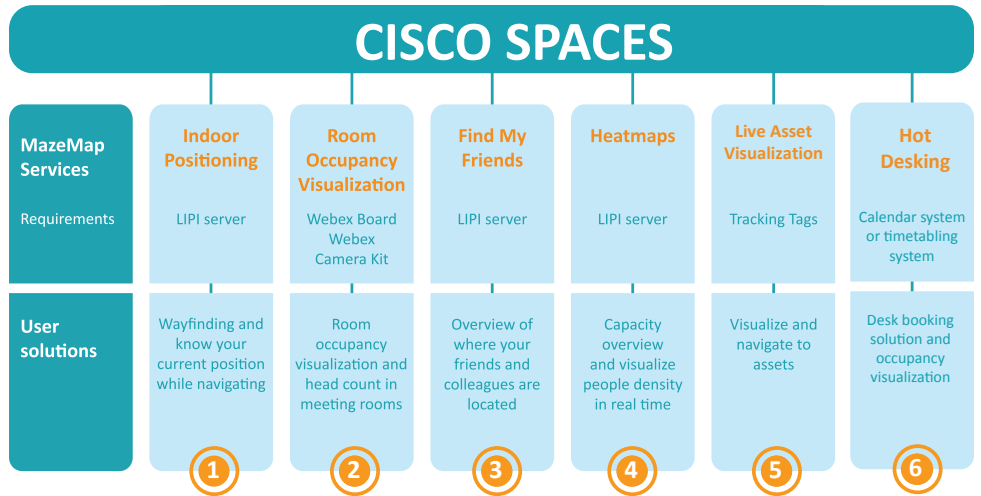


# MazeMap & Cisco Spaces

MazeMap is a leading provider for indoor maps and navigation services designed for large building complexes such as universities, hospitals, corporate offices, venues, and hotels allowing for better user experience and more efficient building usage.

MazeMap's integration with Cisco Spaces allows for our clients to get a more holistic solution by enabling the visualisation of data from Cisco Spaces in real time.



## CISCO SPACES

**“Cisco Spaces is the world’s most powerful location platform and when coupled with MazeMap the outcome is a truly intuitive set of use cases that enable people to explore and enjoy physical spaces like never before.”**

- Tina Gundersen, Cisco Spaces, Worldwide Sales Leader

### 1

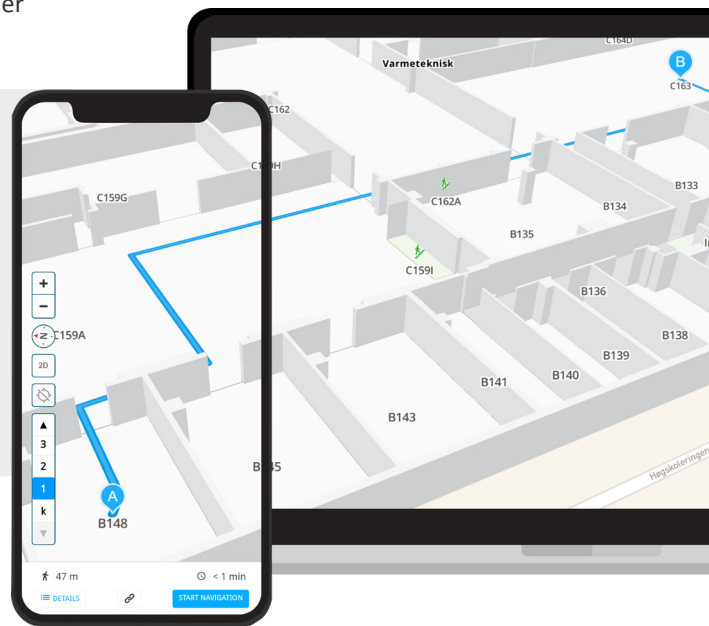
## Indoor positioning and wayfinding

### Challenge

In large building complexes, such as universities, hospitals, offices, hotels, and conference venues, it’s often difficult to find specific rooms or points of interest (POI’s).

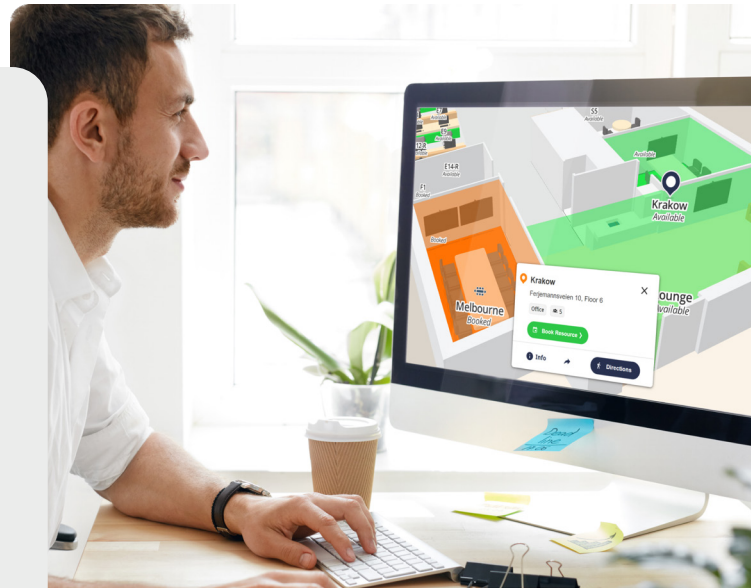
### Solution

- A to B directions
- Indoor positioning (see your position in real-time)



### How it works

- MazeMap creates maps using our customer’s CAD files. A path network for wayfinding is automatically generated and can be edited by the customer.
- For indoor positioning, users must be logged onto the Wi-Fi network and accuracy is dependent on how the Wi-Fi network is set-up (check Cisco guidelines for location-based services). The customer has to install MazeMap’s on-prem LIPI server (which can be run on a virtual machine) that communicates positioning data safely between the end-user, Cisco Spaces, and the customer’s network via the Firehose API.



## 2

### Meeting room visualization, booking, and cancellation with Webex Devices

#### Challenge

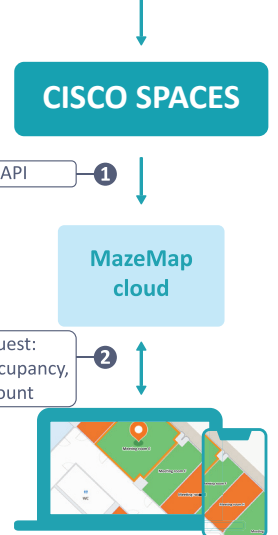
Trying to find an available meeting room can be a difficult task. In addition, many people book meeting rooms but never show up.

#### Solution

- See which rooms are available and book in one click.
- Find the closest room to your location (with indoor positioning).
- Auto cancel meeting rooms in case of no-show to maximize utilization.

#### How it works

- Integrates with either Outlook or Google Calendars to visualize in real-time which meeting rooms are free and which are booked.
- Webex Devices containing presence sensors are installed. MazeMap reads presence info from the devices via the Cisco Spaces Firehose API. MazeMap can then cancel the meeting booking if there are no people in the room after X amount of idle time, which you can choose to define.
- MazeMap can also be run in kiosk mode on a Webex Board via MazeMap's Kiosk API.



## 3

### Find My Friends (or colleagues)

#### Challenge

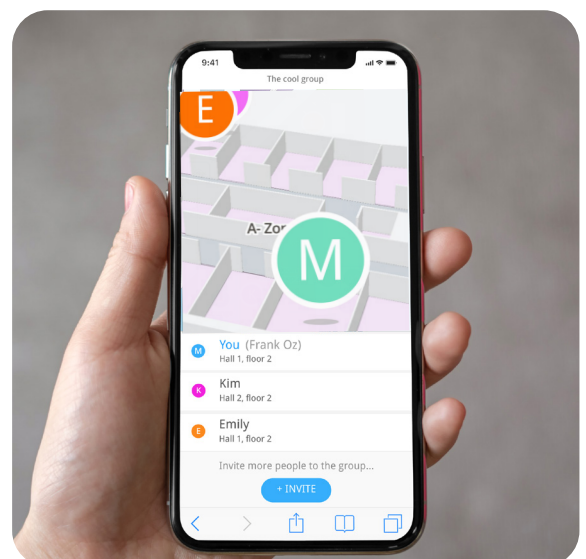
When at a busy event or in a large building or campus, it can be a challenge to locate your friends and colleagues.

#### Solution

- See the real-time location of people who have consented to share their location with you
- Find My Doctor/Nurse allows medical staff to locate each other in times of need.

#### How it works

- The customer must install MazeMap's on-prem LIPI server (which can be run on a virtual machine). Positioning data is pushed from on-prem Cisco Spaces using the Northbound API. The positioning data is then released only to users who have consented to be in a Find My Friends group together.
- The user must be on the Wi-Fi network for the service to work and the user's position won't be available once they leave the area of Wi-Fi coverage.





## 4

### Live Asset Visualization

(Using Asset Locator, previously Operational Insights)

#### Challenge

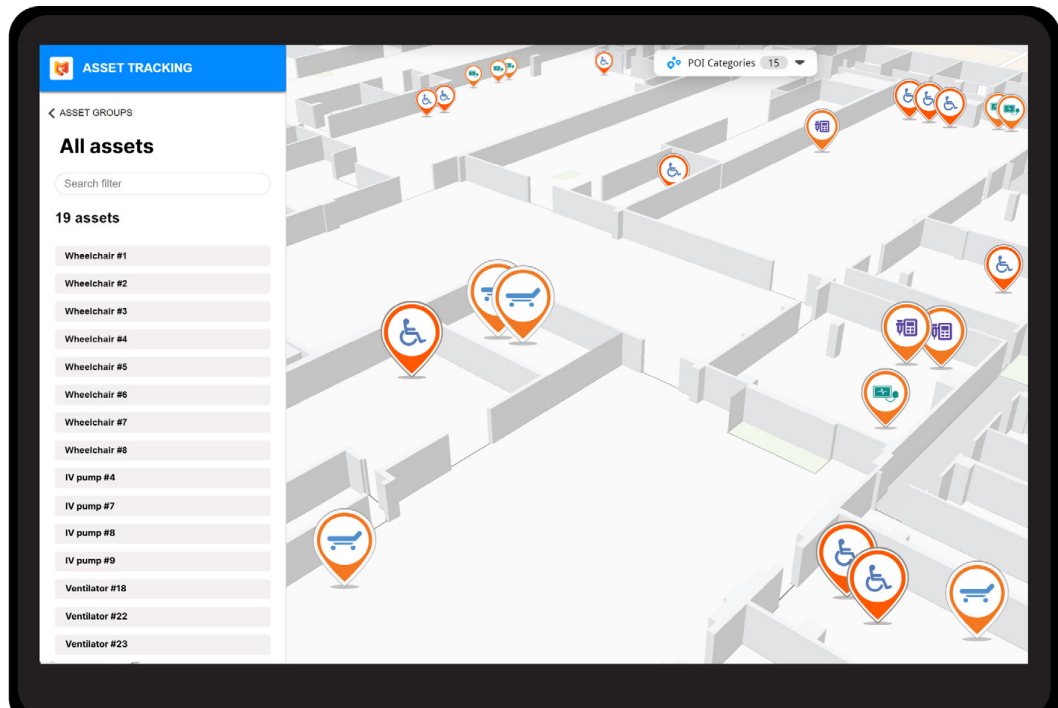
Keeping track of limited resources and equipment like IV pumps and ventilators is a challenge in large hospitals, often resulting in doctors, nurses and general staff wasting valuable time locating them.

#### Solution

Get a real-time overview of where assets(s) are located and how long it will take to navigate to it.

#### How it works

MazeMap pulls real-time position data from the tagged equipment. This data comes from Cisco Spaces.





## 5

### Hot Desking

#### Challenge

With the new hybrid workplace, office managers need to find new ways to manage their building spaces. Employees need safe seating arrangements for the days that they are in the office and cleaners need to know which office equipment to sanitize in between uses.

#### Solution

Employees can select and book their desks in advance, allowing cleaning staff to know which desks to clean and disinfect in between uses. With PIR sensors and Indoor IoT services, employees can see in real-time which desks are occupied. Enterprises can map out desks and assign color schemes and names to visually convey the new safe seating arrangements.



#### How it works

- Integrates with either Outlook or Google Calendars to visualize in real-time which desks are free and which are booked.
- MazeMap communicates with either the network or presence sensors via the Firehose API to determine whether the user who has booked the desk has shown up. If the user hasn't shown up by a certain time, MazeMap can free up the desk and make it available for others to reserve.

