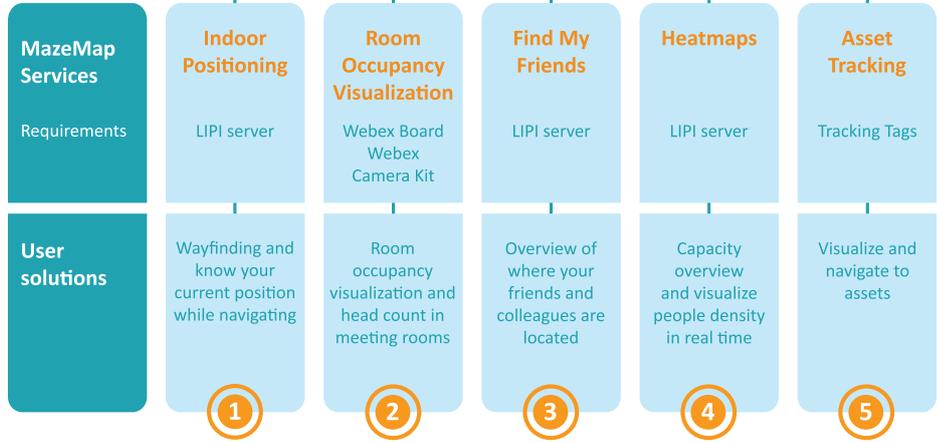


# MazeMap & Cisco DNA Spaces

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

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

## DNA SPACES



**“Cisco DNA 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 DNA Spaces, Worldwide Sales Leader

### 1

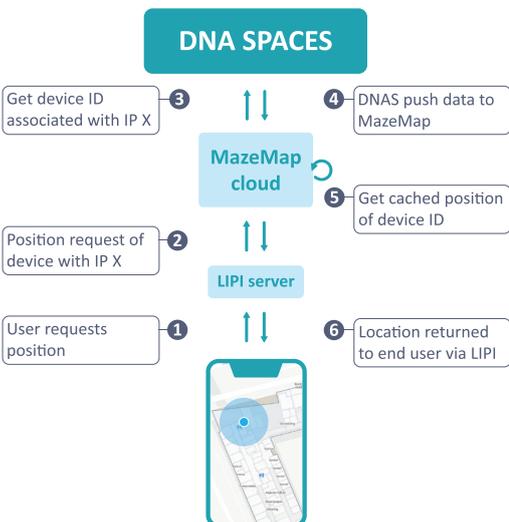
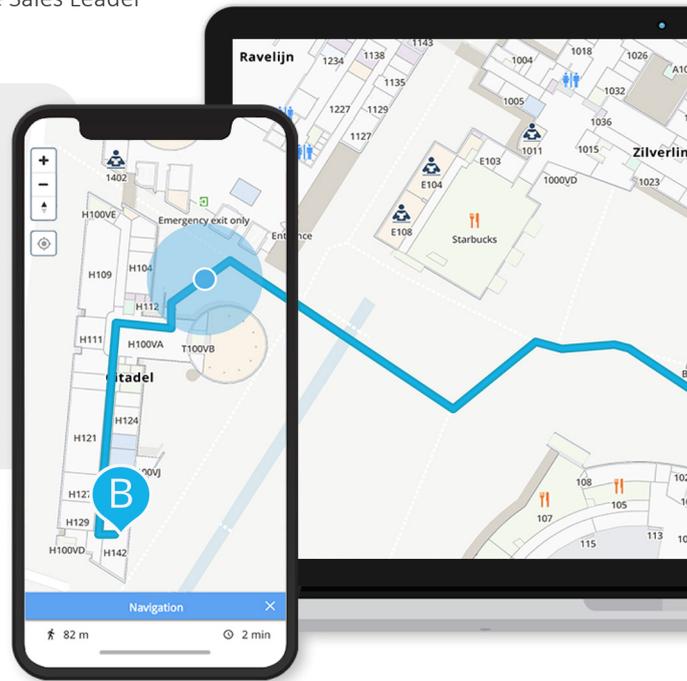
## Indoor positioning and wayfinding

### 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, DNA Spaces, and the customer’s network via the Firehose API





## 2

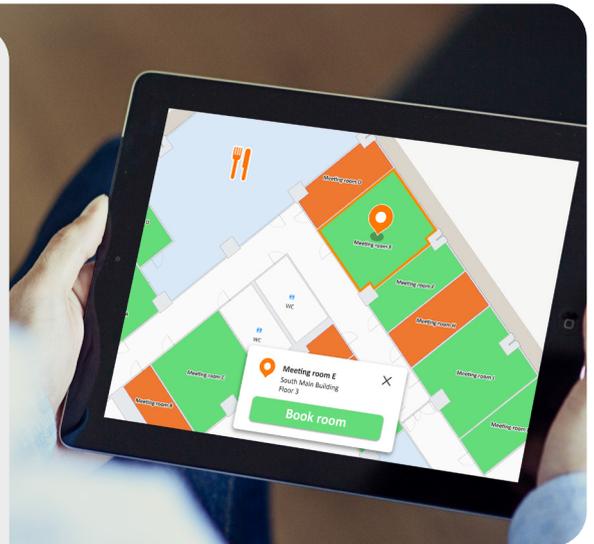
### Meeting room visualization, booking, and cancellation with Webex Devices

#### 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



DNA SPACES

Firehose API 1

MazeMap cloud

Data request: Room occupancy, people count 2



## 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 DNA 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

### Heatmaps

#### Challenge

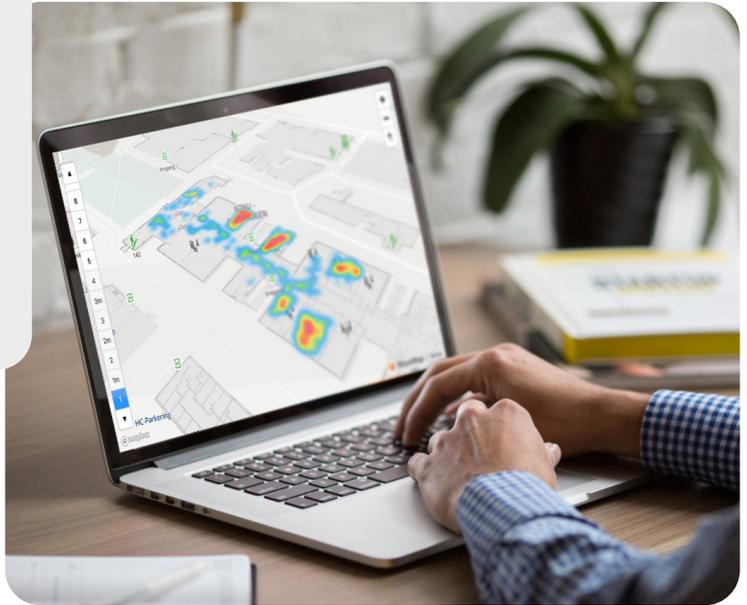
When trying to decide how best to utilize your building space, it can be difficult to know which areas aren't being used to their full potential.

#### Solution

See in real-time where people are located around the building and gain insight into how people use your spaces. Let users find quiet spaces and avoid crowded areas.

#### How it works

Heat maps require an on-prem LIPI server. The positioning data is pulled from DNA Spaces. The data pulled is anonymized and cannot be used to identify individual persons.



## 5

### Asset Tracking (Using Asset Locator, previously Operational Insights)

#### Challenge

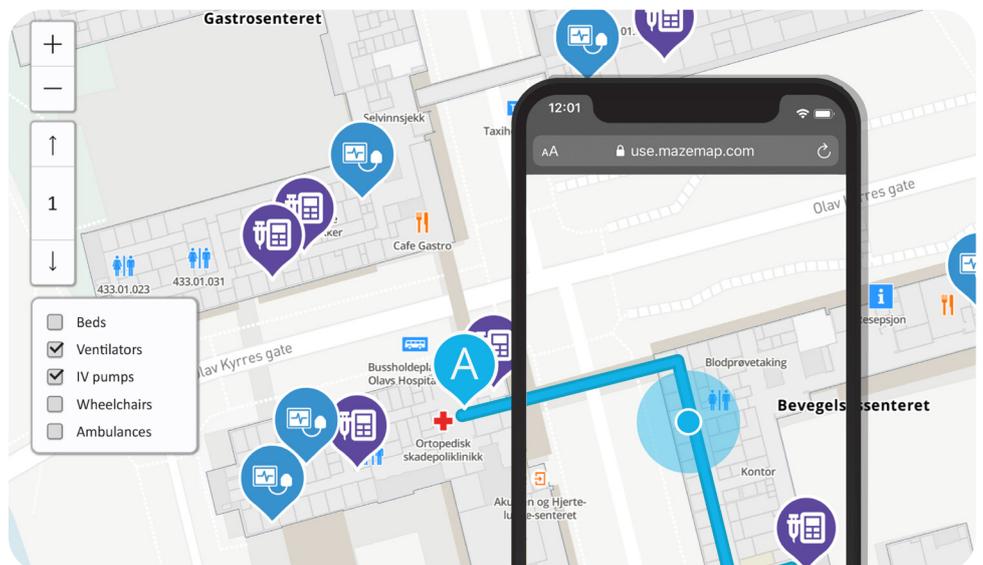
Keeping track of limited resources and equipment like IV pumps and ventilators is a challenge in large hospitals, often resulting in doctors, nurses and general staff wasting valuable time locating them.

#### Solution

Get a real-time overview of where asset(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 DNA Spaces.





## 6

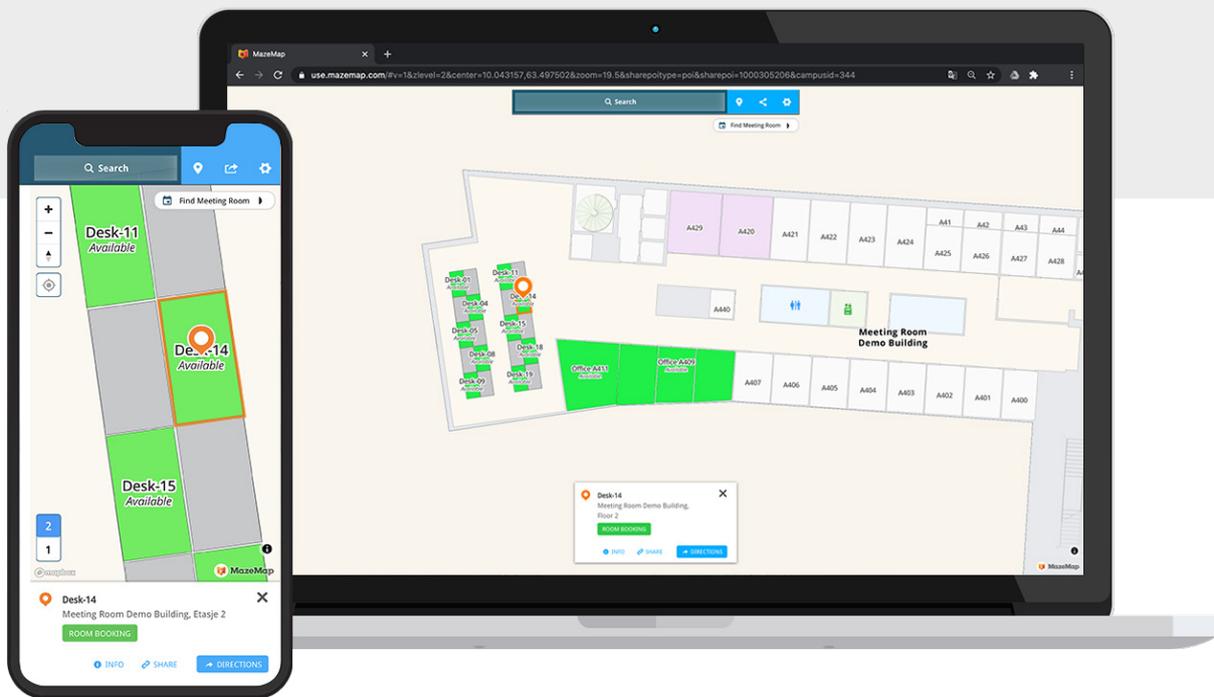
### Hot Desking

#### 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 sanitise 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

