INDOOR NAVIGACIJA - slepi in slabovidni

Tehnološke rešitve za javne institucije

BACKGROUND INFO.
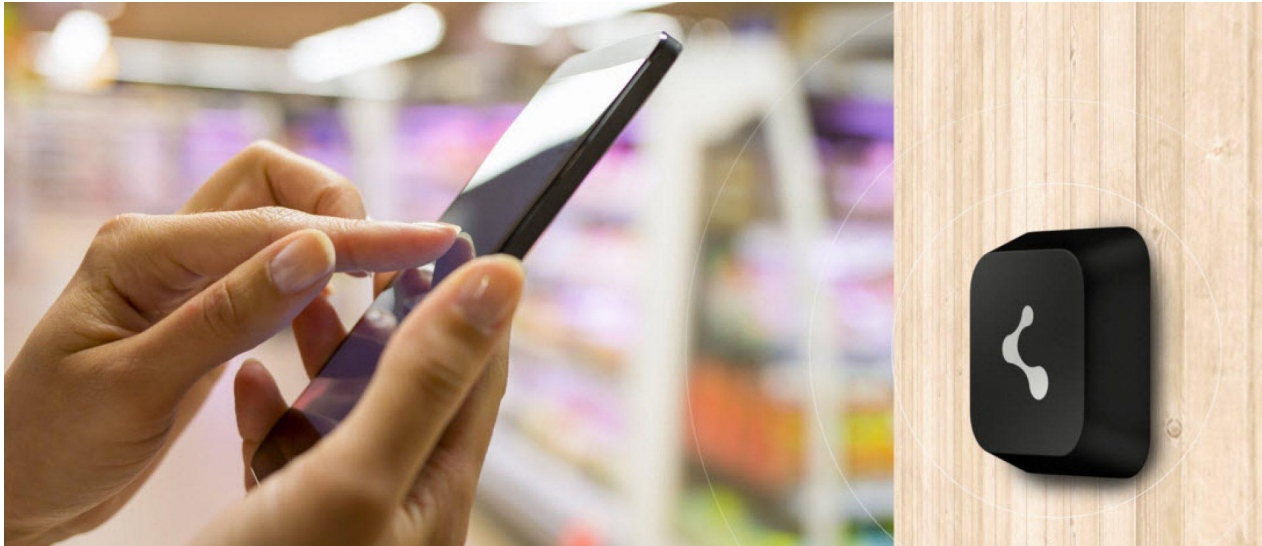
284 million people

OUTPUT

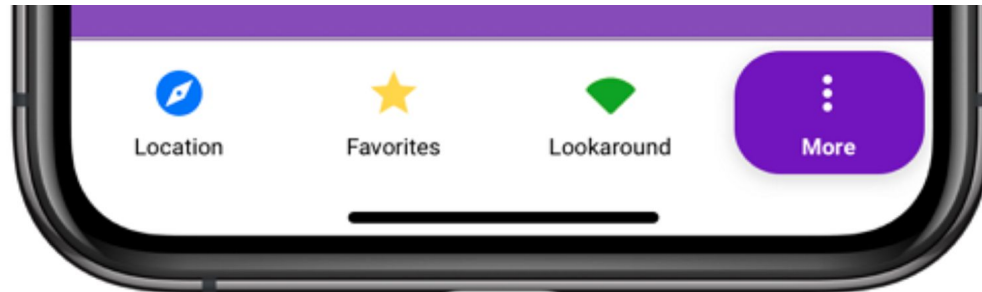| AUDIO	HAPTIC
Speech	Vibrations
Beeps	Braille display (external)

INPUT

Goodmaps

Uses LiDAR

Indoor and outdoor

Speech, a Braille Display, or both together

Location

Are you inside **American Printing House for the Blind**?

Dismiss   ✓ Yes

Destination POI   lynn's café 552 ft
10 o'clock

Location

Room name	
Direction	Facing Northwest
Nearby	Phone Room 11 feet right →

Switch to outdoors →

Lookaround

Miguel Library
45 ft

Office
54 ft

HVAC/Electrical Room
65 ft

Office
67 ft

COMMUNITY REACTIONS

4. 5 / 5 ★ APP STORE 👍

Apple watch?

RightHear

iBeacons

Similar to GoodMaps

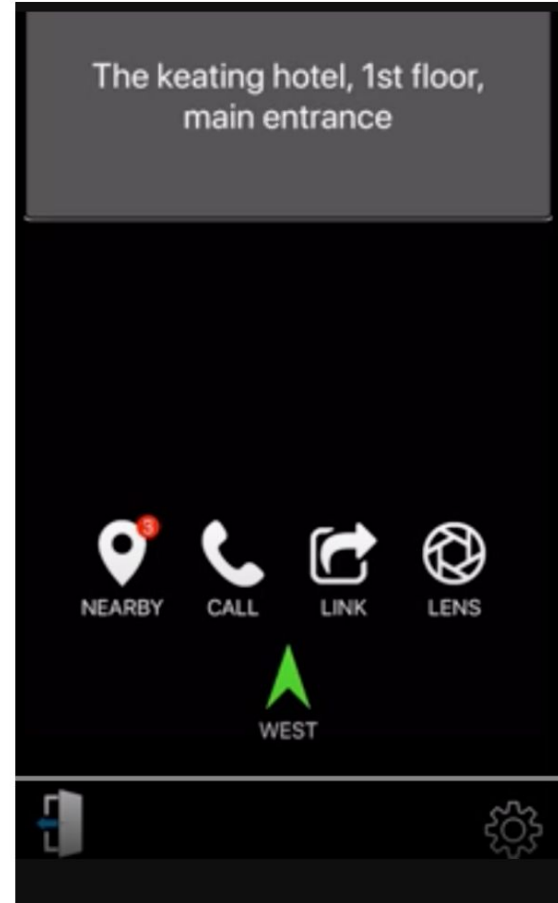'Current location'

'Around me'

Nearby spots'

'Lens' !!

'Sky Mode'

Most widely used

OUTPUT voice customisable → speed, gender

Distance & direction (clock-based)

INPUT → shake the phone

"Look around" and "around me" tools

COMMUNITY REACTIONS

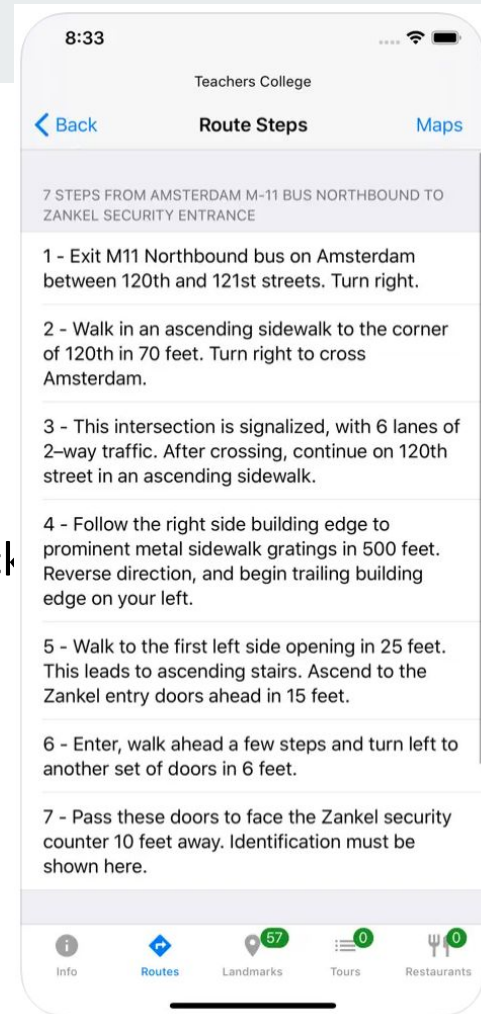Very popular app

Clock-based directions 👍

CLICKANDGO WAYFINDING

Uses iBeacons

Manual advancement of route steps (INPUT → click

Works actively or passively

Environmental cues

Virtual tours

8:33

Teachers College

Back   **Route Steps**   Maps

7 STEPS FROM AMSTERDAM M-11 BUS NORTHBOUND TO ZANKEL SECURITY ENTRANCE

1 - Exit M11 Northbound bus on Amsterdam between 120th and 121st streets. Turn right.

2 - Walk in an ascending sidewalk to the corner of 120th in 70 feet. Turn right to cross Amsterdam.

3 - This intersection is signalized, with 6 lanes of 2–way traffic. After crossing, continue on 120th street in an ascending sidewalk.

4 - Follow the right side building edge to prominent metal sidewalk gratings in 500 feet. Reverse direction, and begin trailing building edge on your left.

5 - Walk to the first left side opening in 25 feet. This leads to ascending stairs. Ascend to the Zankel entry doors ahead in 15 feet.

6 - Enter, walk ahead a few steps and turn left to another set of doors in 6 feet.

7 - Pass these doors to face the Zankel security counter 10 feet away. Identification must be shown here.

Info   Routes   Landmarks 57   Tours 0   Restaurants 0

COMMUNITY REACTIONS

Manual advancement bad

Otherwise ok app

London underground, Sydney underground, shopping mall in Barcelona

Automatic instructions

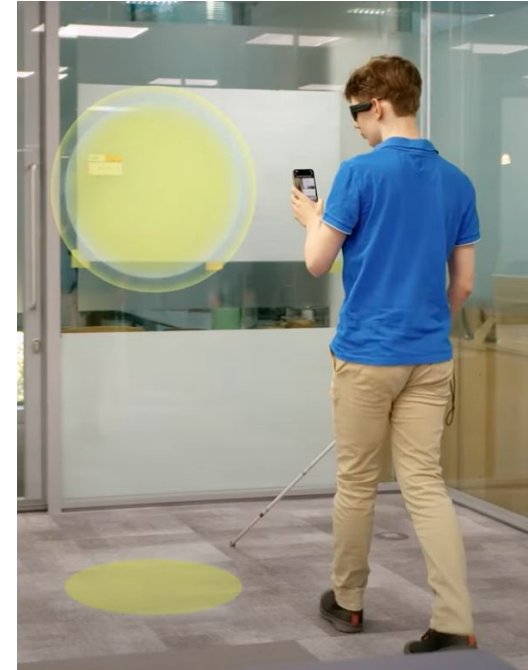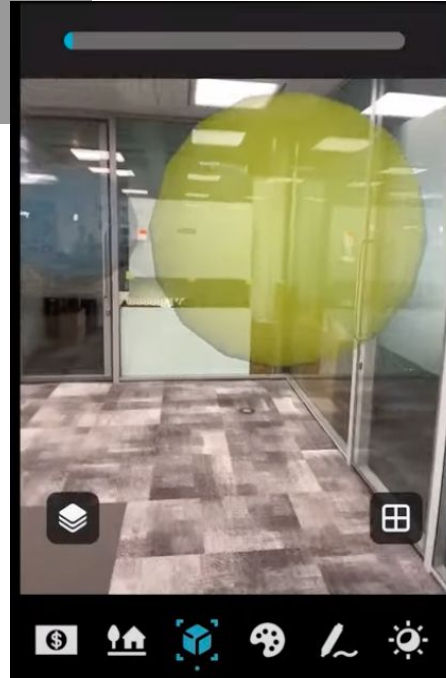# HUM (BEEPS)
output

Seeing AI

Uses LiDAR

Spatial audio cues (NO SPEECH)

Users can create new paths

Other useful features:

SHORT TEXT

SCENES

COLORS

HANDWRITING

COMMUNITY REACTIONS

4. 4 / 5 ★ APP STORE 👍

iBeacons

Speech + beeps + vibrations

- hum: loudness + pitch + vibrations
- speech: gives directions

Same gestural cues as Blindsquare

Works actively and passively

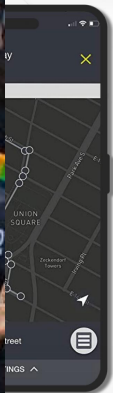SAN FRANCISCO

INTERNATIONAL AIRPORT

VIBRATIONAL
output

Wristba

Uses **on

COMMUNITY REACTIONS

NO AUDIO → nice in crowds 👍

GENERAL USER PREFERENCES

Speech output and input

Speech customisation

Headphones

https://docs.google.com/document/d/1VouSFvMO4gjpU6LHl_in9NEjMfkF37-p/edit