GEOSOLUTIONS
WE MAKE SURVEYING EASY.

80% Faster to BIM

# FloorAce

## Building Survey & Scan2BIM






AR SCANNING | BIM MODEL | BETTER DECISIONS

FLOORACE
USER GUIDE

# WHAT IS FLOORACE?

FloorAce is an easy-to-use AR and LiDAR-based surveying app designed to create accurate digital floor plans and 3D models of rooms and buildings directly on supported iPhone and iPad devices. It allows users to measure complete rooms, walls, doors, windows and niches, calculate areas and volumes, and generate dimensioned floor plans and 3D BIM model. The resulting drawings and room data can also be exported in formats such as PDF,DXF, IFC etc. While Professional features allow multiple rooms to be connected into complete storey floor plans and BIM-oriented workflows. FloorAce processes the captured data directly on the device, so a cloud connection is not required.

# DOWNLOAD THE APP

To get started, you'll need to download the **FloorAce** app.

Download on the App Store

Download the FloorAce app for your IOS device from the App Store

Want to know more about us and our Solutions. Visit our website:

**https://itsgeo.de/**

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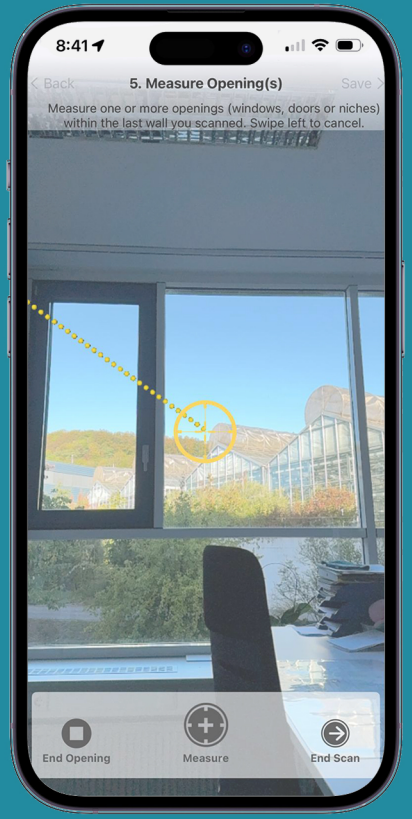


# ADD YOUR BUILDING

After launching the FloorAce app, you will see the areal map. Now you can add a new building.

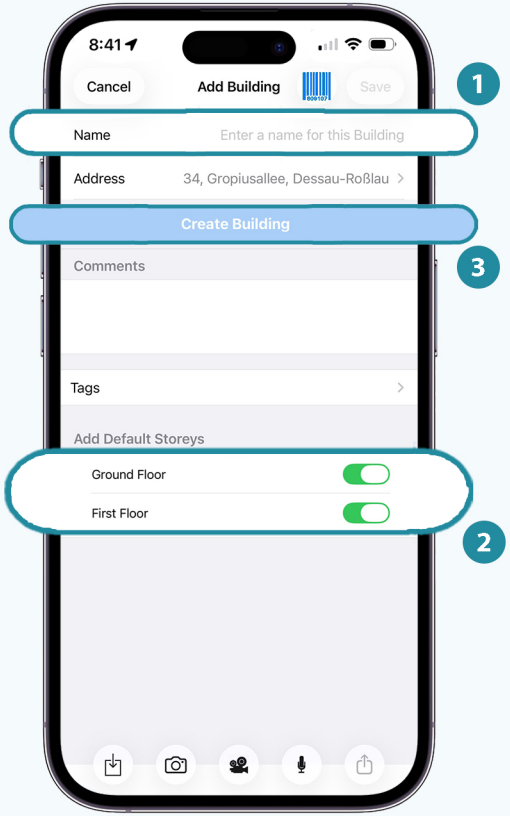
1. Tap “Add Building” to create your building




# NAME YOUR BUILDING

To create a building, enter a name and the building’s address. By default, the building includes a ground floor and a first floor, which can be enabled or disabled as needed. You can also add additional floors to the building at any time.

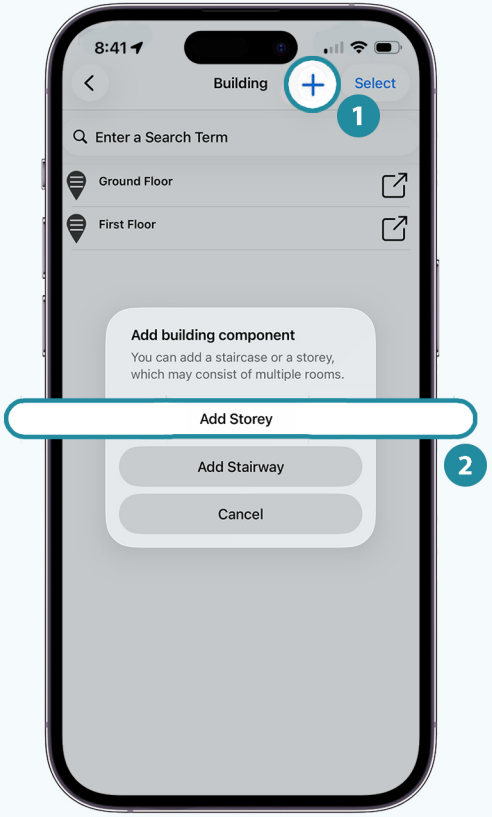
1. Name your building
2. Here you can add your storeys
3. Turn the toggle to enable or disable default storeys



# ADD STOREYS

In case the default storeys are not enough because your building has more storeys, follow the steps below to add more storeys.

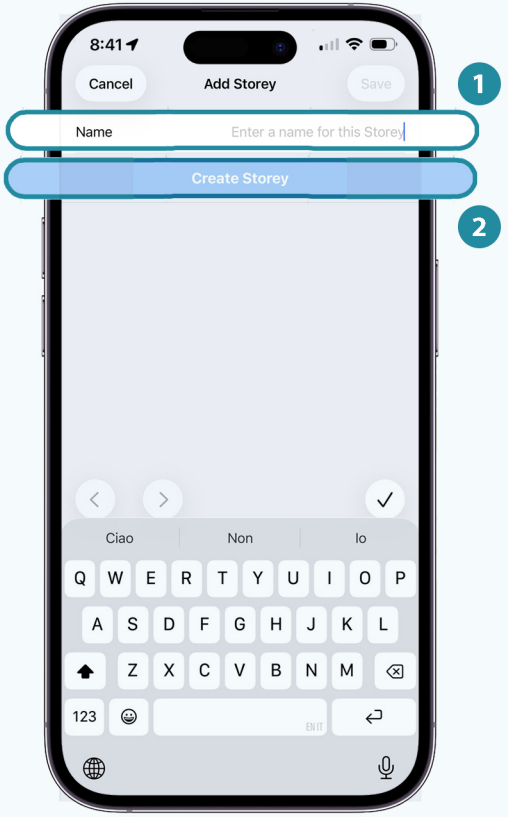
1. To add more storeys tap the “+” icon
2. Choose “Add Storey”




# NAME YOUR STOREY

To the storey you just created you must enter a name for the new storey.

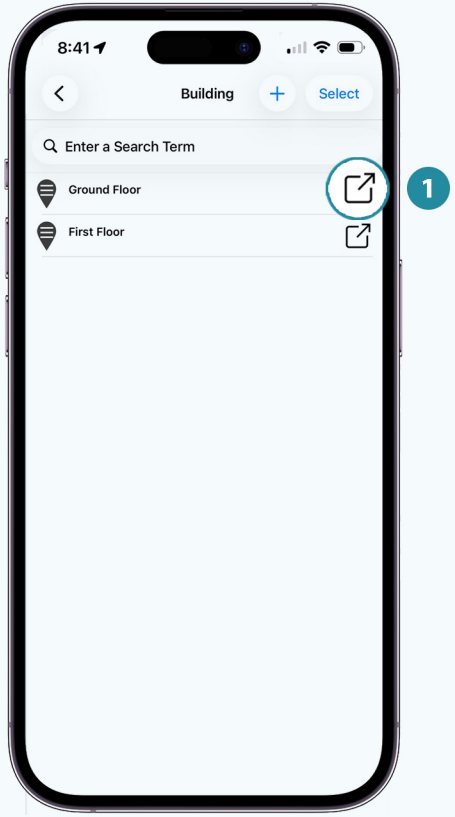
1. Name your storey
2. Tap “Create Storey” to save your storey



# LIST OF STOREYS

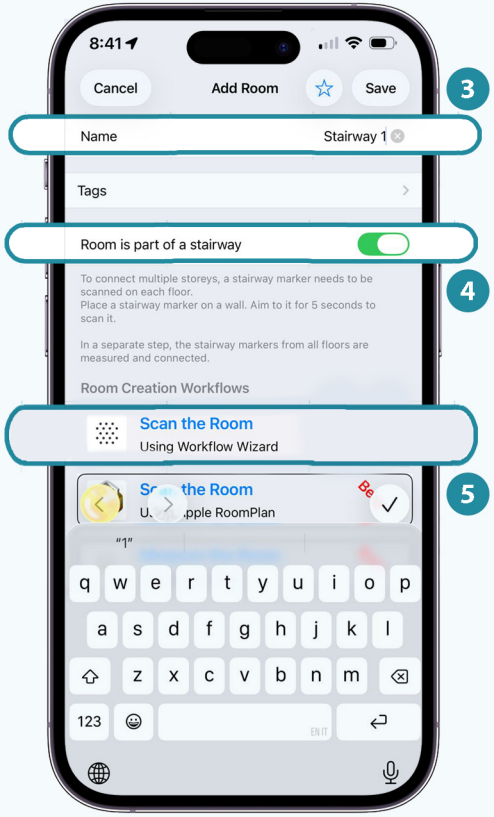
Now within each storey we create our rooms

1. We tap into the storey to start adding rooms
2. Tap the “+” icon to add a new room
3. You will then be prompted to enter a name for the room.
4. Enable the “Room is part of a stairwell” option if the room connects multiple
5. Tap “Scan the Room” to begin the scanning process.




# ADD ROOMS

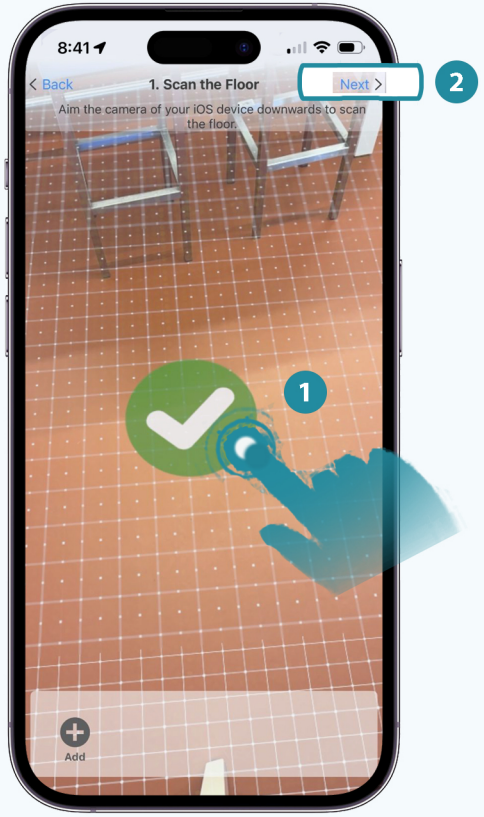


# START THE AR SCAN

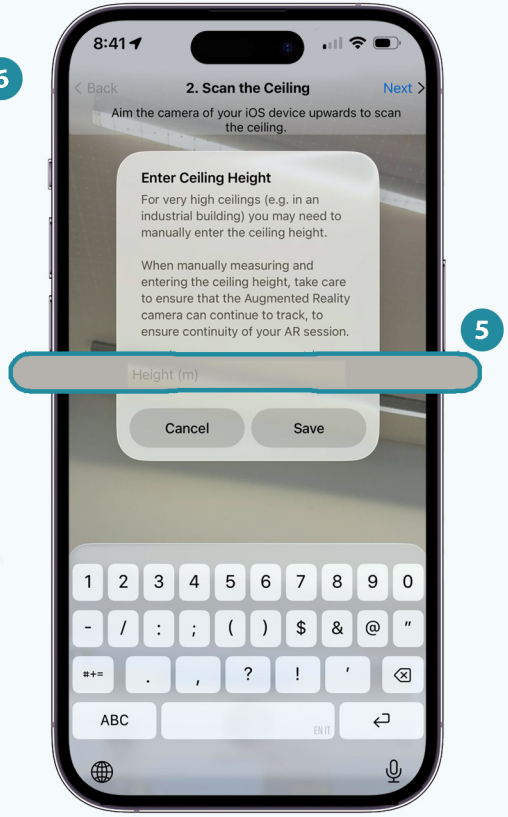
Once the AR view starts, wait a few seconds for AR to initialize. You can scan surfaces by tapping on them.

1. Tap the floor to Scan the floor.
2. Tap on “Next” to continue scanning the ceiling.
3. Tap the ceiling to Scan the ceiling
4. If the ceiling is too high you can add the measurment manually
5. Here you can enter the height in meters (m)
6. Tap on “Next” to continue scanning the walls.




# CEILING HEIGHT

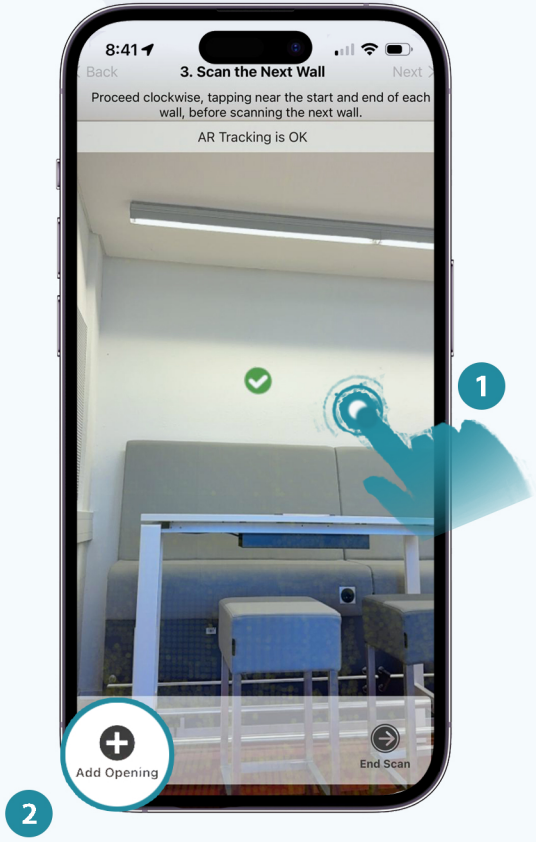


# SCAN THE WALLS

To create the room geometry, you should tap on all the walls to scan them.

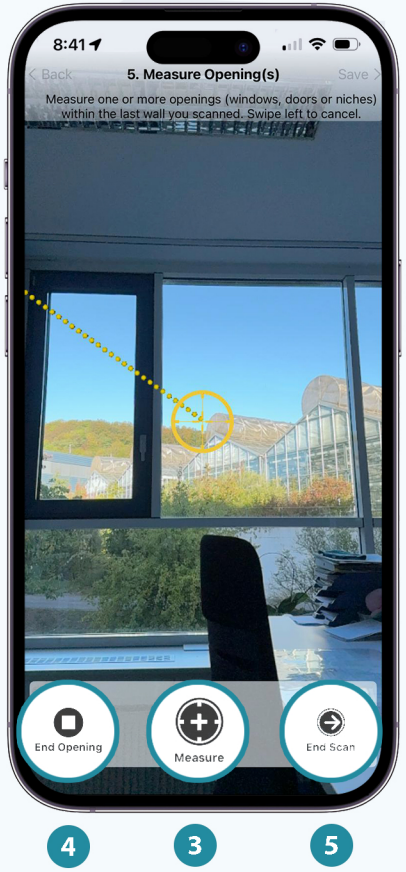
1. Tap the wall to scan it
2. Tap “Add opening” to add your openings




# MEASURE OPENINGS

To add the openings select the desired opening and measure them from one end to the other.

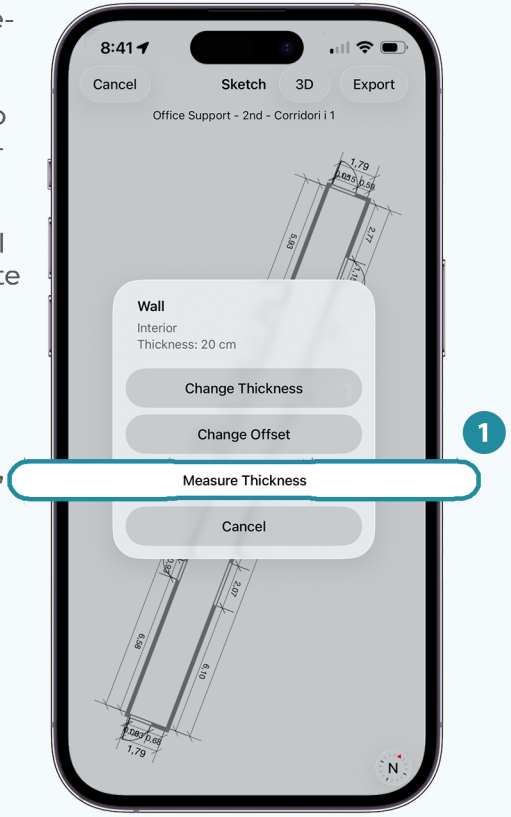
3. Tap “Measure” to start measuring your opening
4. Once you measured the opening tap “End opening”
5. When you finish measuring all the room elements tap “End Scan”



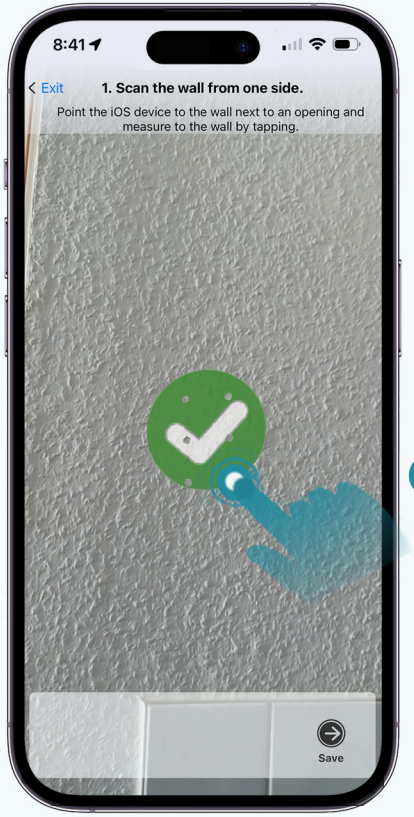
# MEASURE WALL THICKNESS

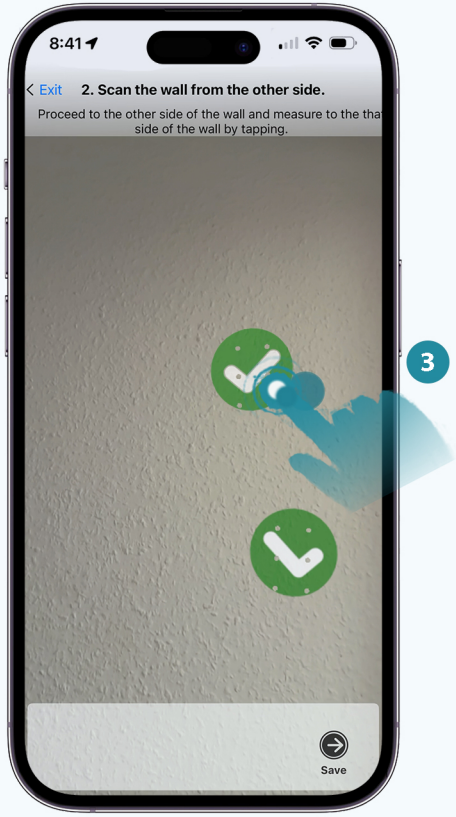
The thickness in the sketch are default thickness that you set up in the settings. To have the accurate wall thickness is recommended to measure it, you simply tap the desired wall then you tap the measure thickness to open the AR scan, from there you scan the wall from both sides to get the accurate thickness. Of course you can always Offset the wall or change the thickness

1. Tap “Measure Thickness” to start the AR scan
2. Scan the wall from one side by tapping on the wall
3. Scan the wall from the other side by tapping on the wall



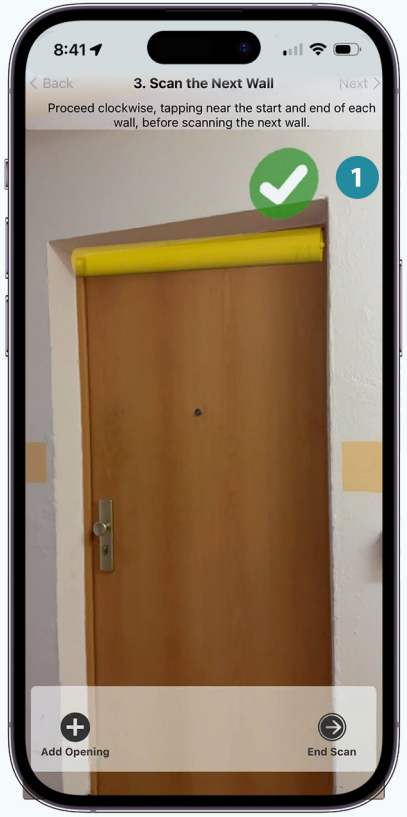

# SCAN THE WALL



# ADD DOORS

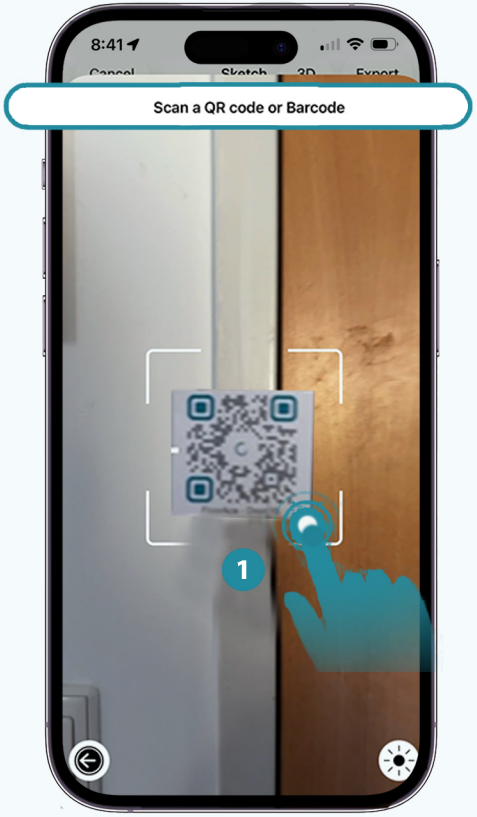
In the same way like the previous step to mesure the door measure from one end to the other. Choose what type of door and side of opening you have.




1 After scanning the wall measure the door

# CONNECT ROOMS

To connect the rooms with each other so the result we get is an accurate story in geometry and mesurment we use the Door Ids.
Each door is connected from both sides to connect to the other room. this can be done by scanning a QR code or alternatively manually naming it.



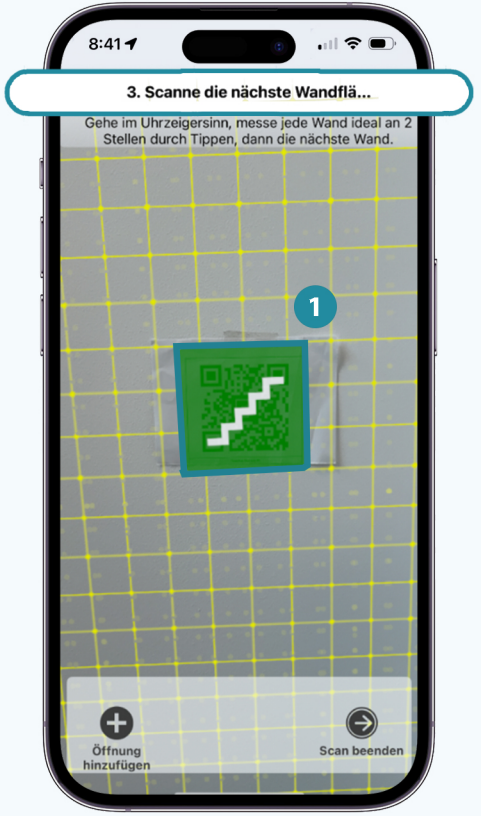

1 Aim for the Qr-Code to scan it.

# STAIRWAY ROOM

If we enabled the option the “Room is part of a stairwell” that room connects multiple floors via a staircase.
In this case each stairway room that is part of the stairway should have a unique Qr-Code to be able to connect them together.

1 Aim for the Qr-Code to scan it.

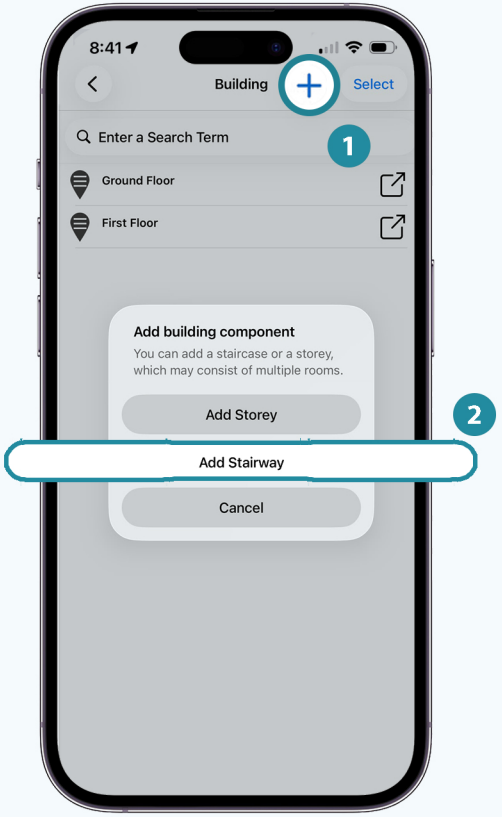
# CONNECT ROOMS



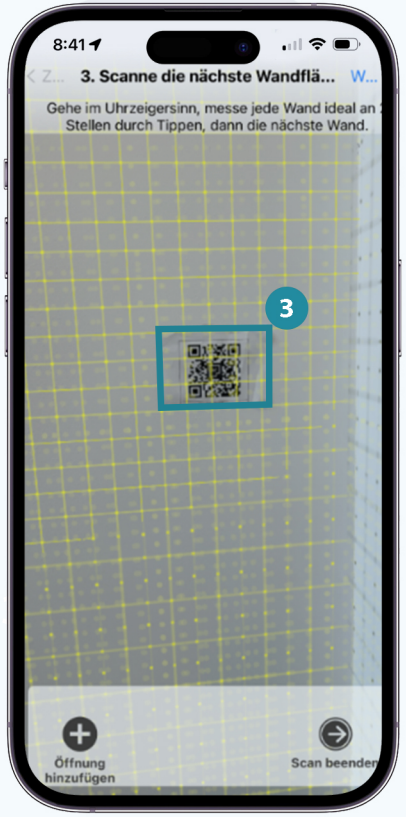
# CREATE STAIRWAY

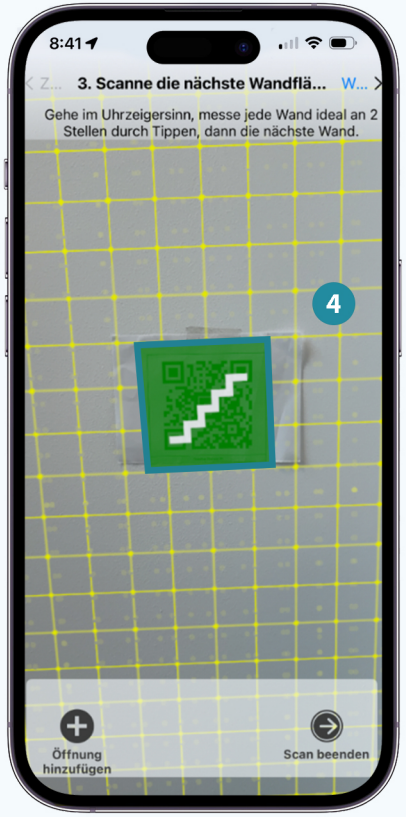
Next step to connect all storeys together would be to add a stairway in the storeys list and start the AR scan where we can go through all storeys and scn the QR-Codes.

1. Tap “+” icon to add the building component
2. Tap “Add Stairway” to add your stairway
3. Aim for the Qr-Code for aprox. 2 seconds to scan it
4. In the same AR session scan all Qr-Codes on all storeys




# SCAN STAIRWAY MARKER

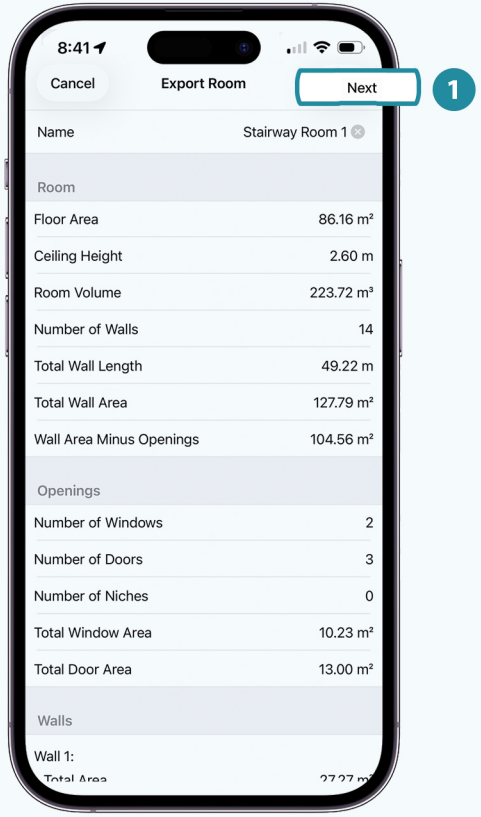


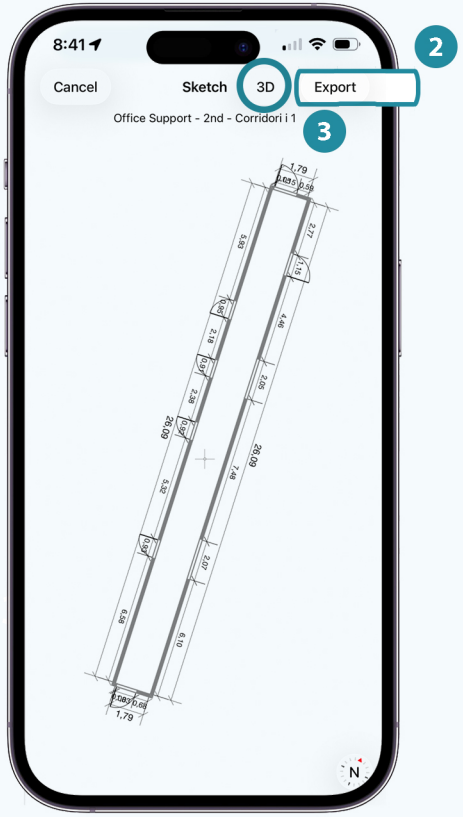
# RESULTS

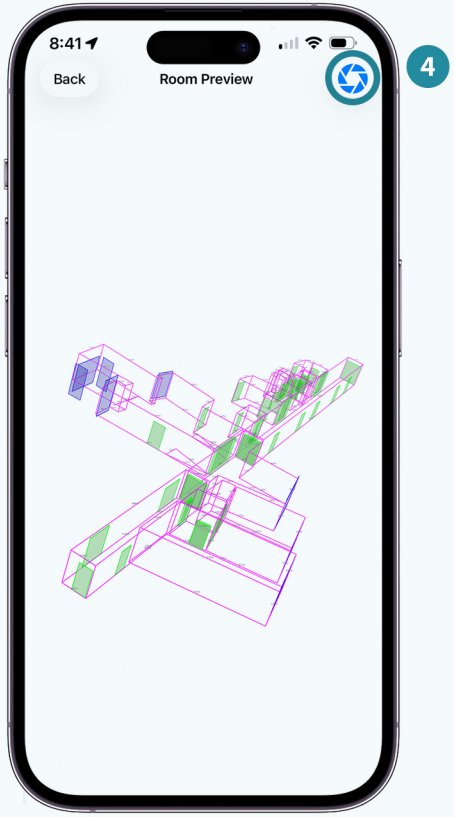
Once you end the Ar Scan session you will be able to see the results.
First you will see the room/s data measurments. Then you can move on to see the sketch and the 3D of it.

1. Tap “Next” to see the Sketch
2. If you want to export the project tap “Export”
3. If you want to go to the 3D view simply tap “3D”
4. Tap the icon in blueif you want to take pictures of the current view




# SEEING THE 2D & 3D

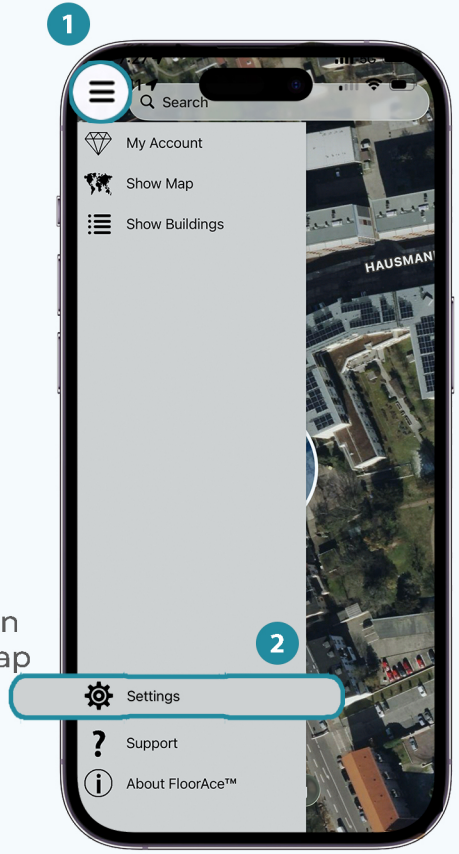


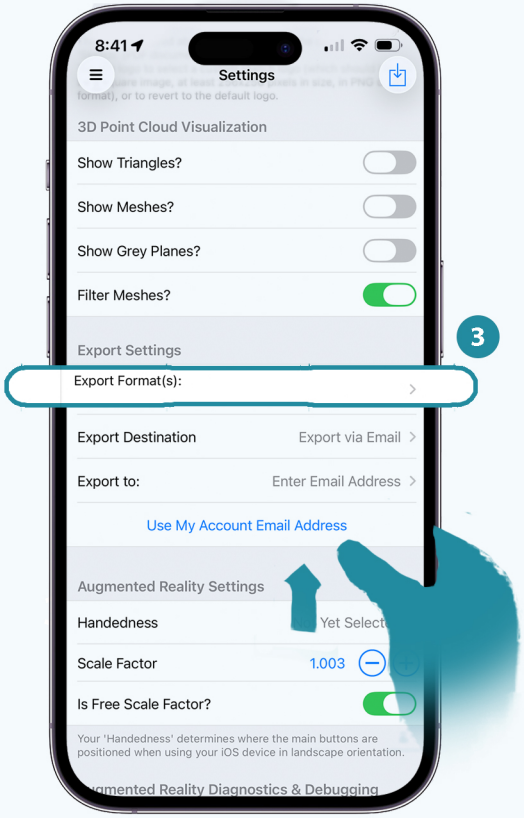
# SETTINGS

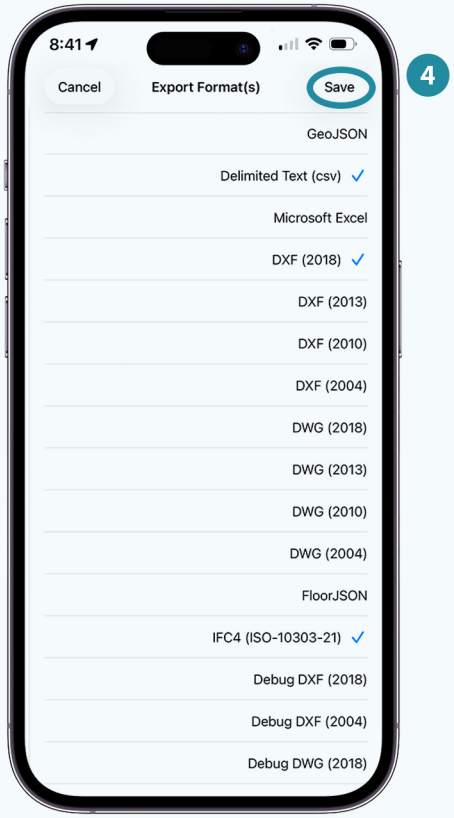
When you tap the toggle you can see Settings where you can choose and costumise your experience one of the most important tabs is export formats. We offer a variety of export formats such as: CSV. , PDF., DXF. DWG. IFC.

1. Tap the menu tab to open the window
2. Tap on “Settings”
3. from here you slide down to Export Settings and tap “Export Format(s).
4. After selecting the export formats needed press Save




# EXPORT FORMAT(S)

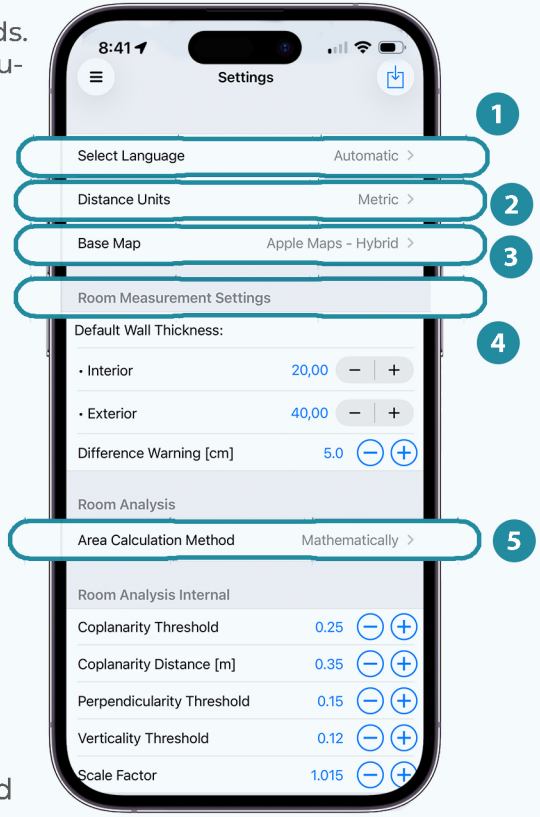


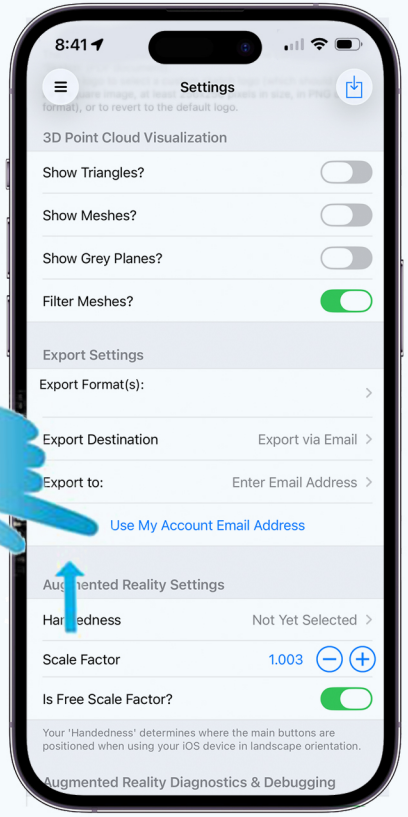
# SETTINGS

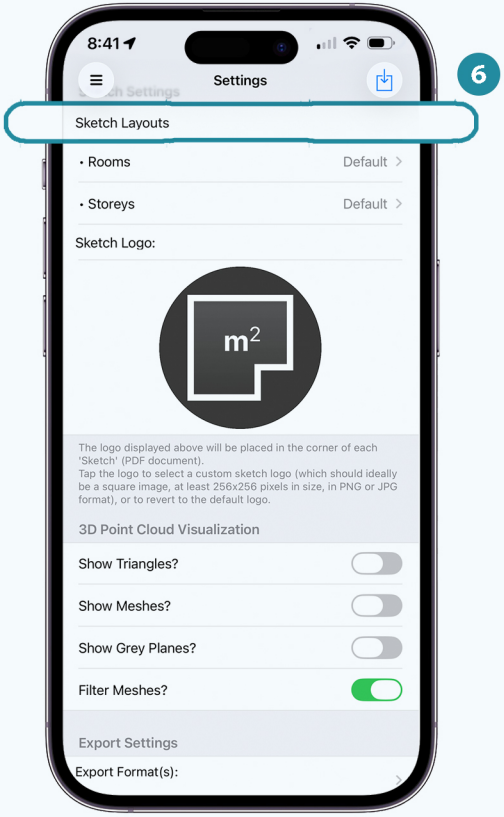
In the settings you can customise everything according to your needs. Such as language, units, area calculation method ,sketch layout etc.

1. Tap the “Select Language” to choose the language
2. Change Distance unit
3. Choose the Base Map
4. Here you can change the default thickness of walls
5. Here you can choose the calculation method of your areas
6. Choose here your desired sketch layout




# SETTINGS

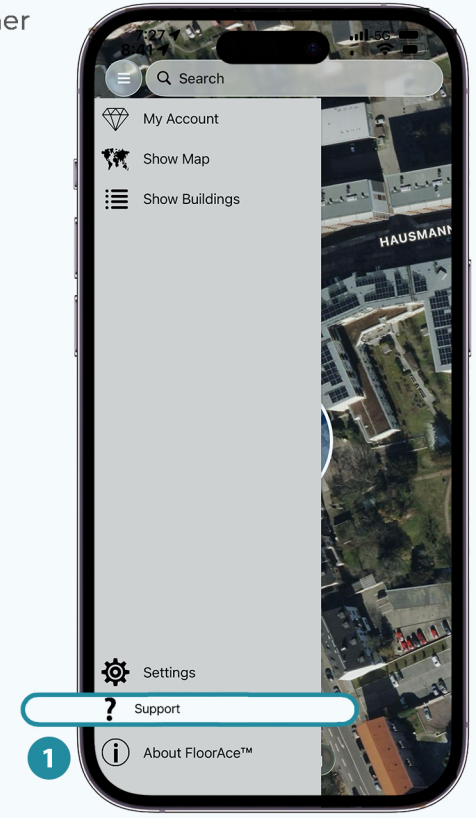


# Support

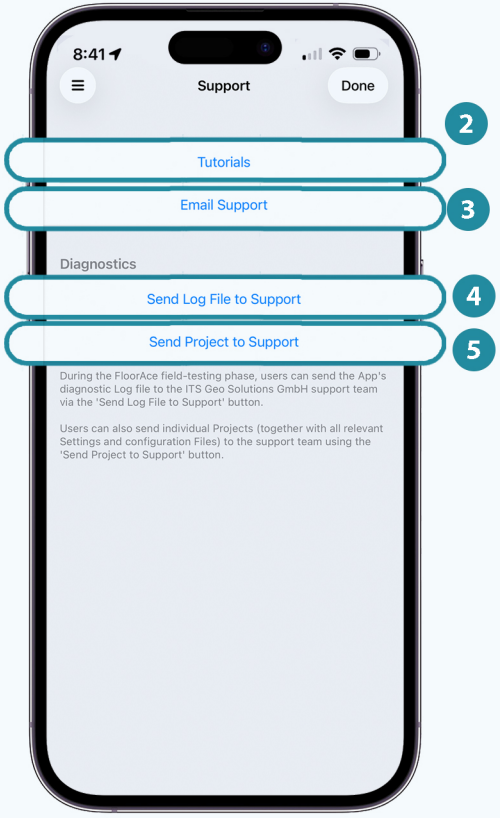
In case you need help or further support please tap “Support”

1. Tap “Support” if in need for assistance



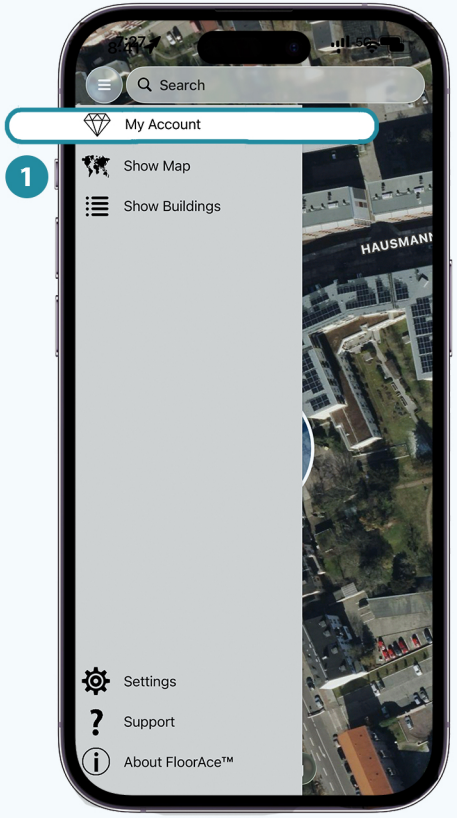

# Support

2. Tap “tutorials” to be able to see futher video tutorials
3. Tap “Email Support” if you need further assistance
4. If you are dealing with technical problems send Log File to Support
5. If you send the project to support we can further di-agnose the problem.



# MY ACCOUNT

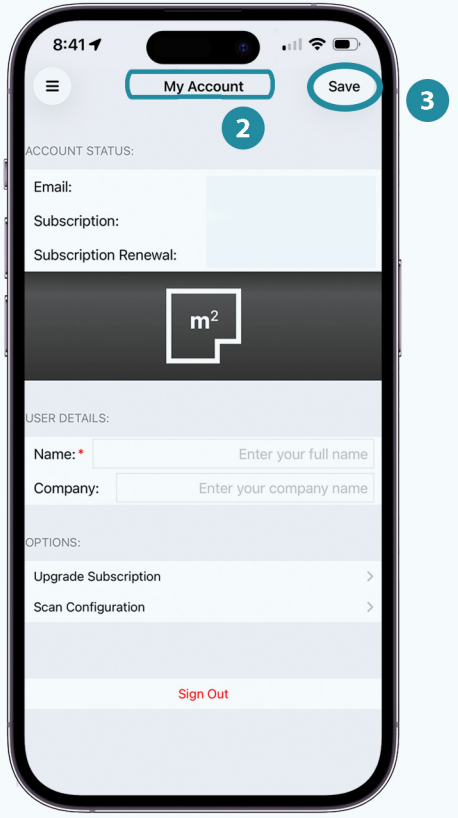
On the manu bar you have the option “My Account” where your personal data is such as name, company name, type of subscription and other options that you can upgrade your subscription.




1 Tap “My account” to open to bar

# MY ACCOUNT

Once you have the page opened you can configure the data to your needs.




2 Under “My Account” you see all the important informations about your

3 Tap “Save” to save the changes


m2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