

# RoomMapperAR

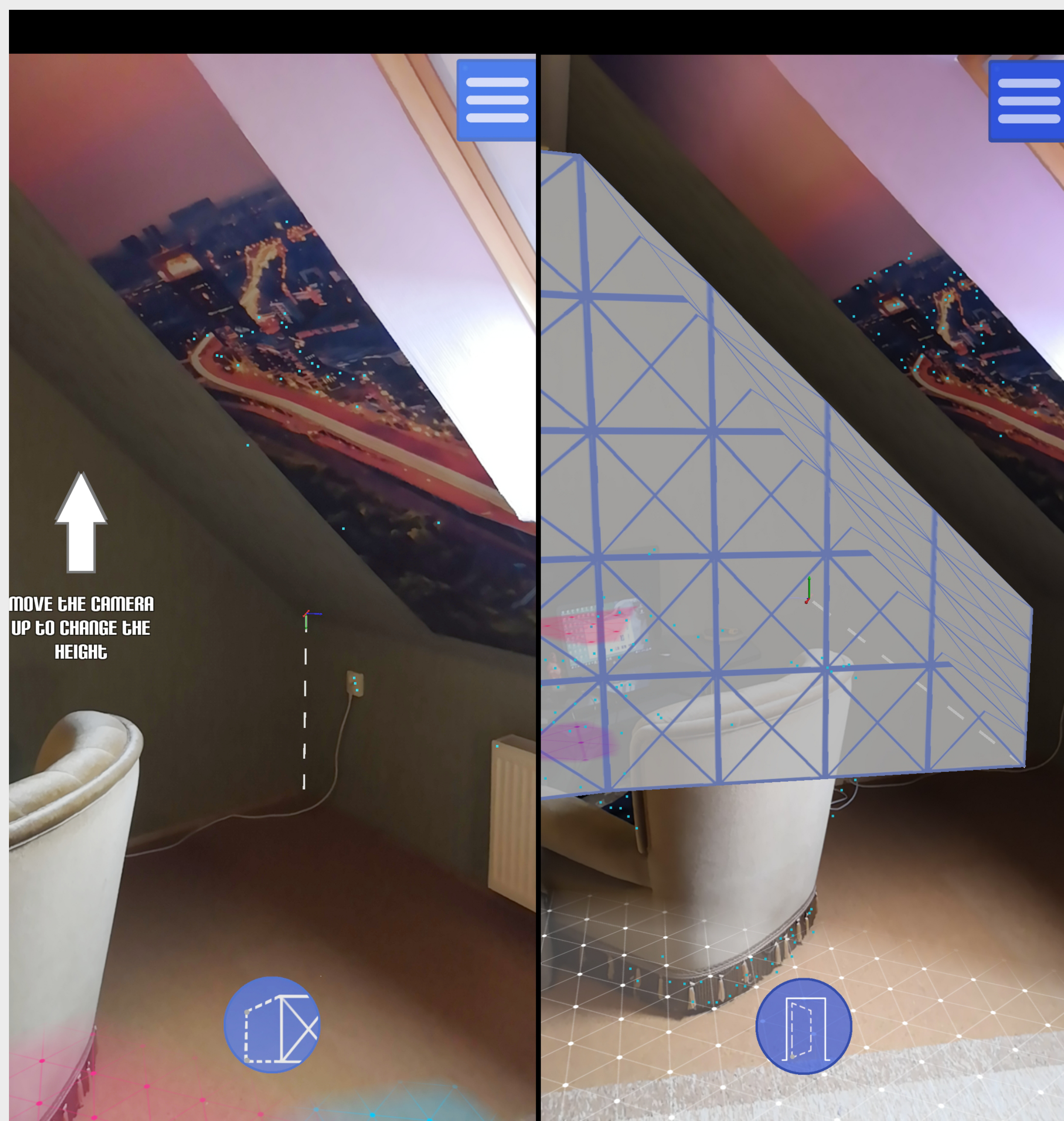
## A Mobile Augmented Reality Room Mapper

### What is it?

**RoomMapperAR** is a room mapping application that uses **augmented reality in the measuring process**. With the available tools the application can be used **for room measuring, planning and designing**. The measured room can be exported as a 3D object to be used outside the room mapping application.

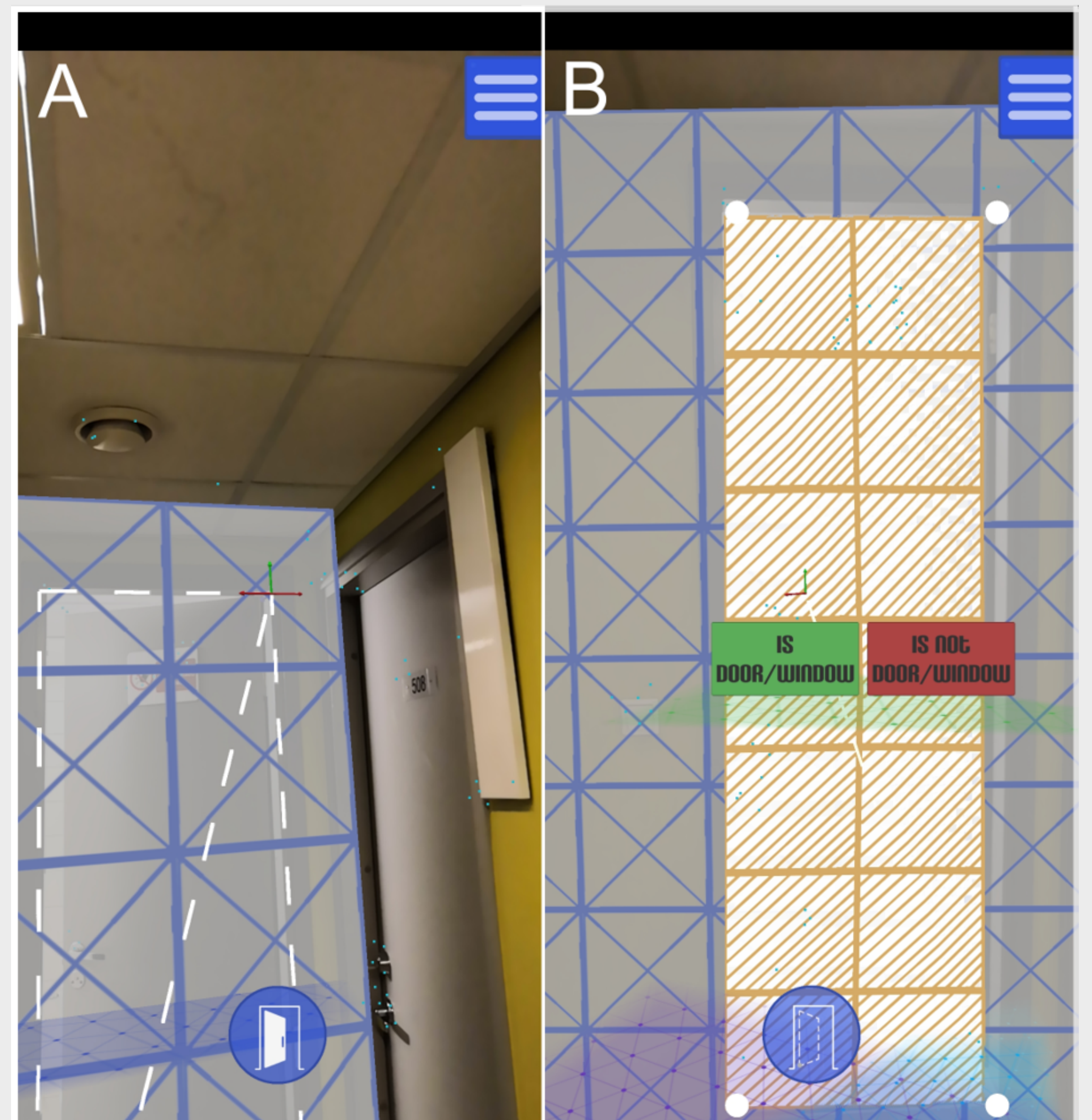
### Main Features

#### Changeable Height Variable

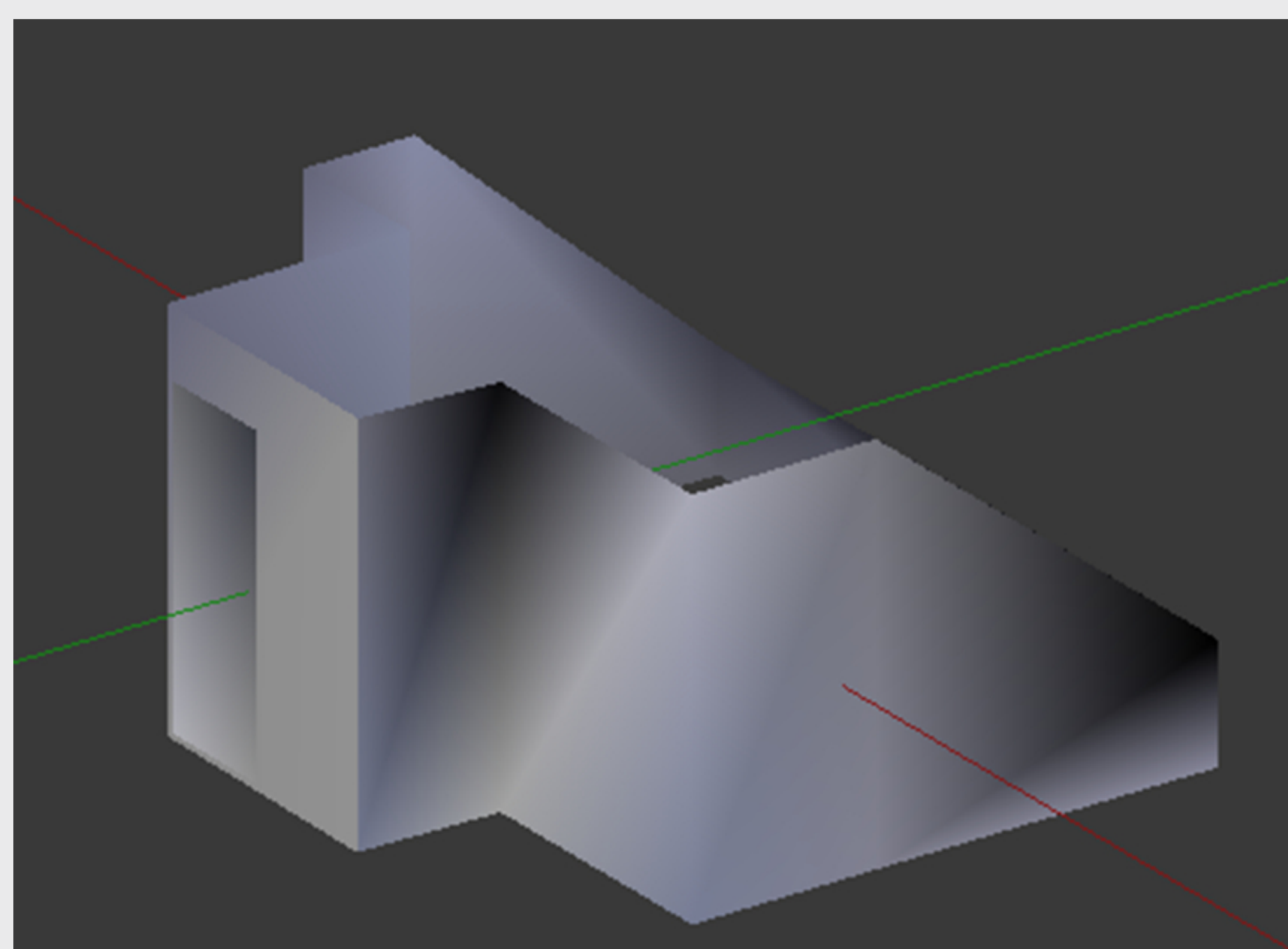


Along with traditional wall placement and height assigning, the application has **additional features for height changing**. Complex rooms with varying wall heights can be measured, making the results more accurate in these scenarios.

#### Semi-automatic Door Detection



In an attempt to make the overall measuring process faster, a **semi-automatic door/window detection (B)** has been added. If the detection fails due to too complex scenery, the door/window objects can still be **measured manually (A)**



#### Exportable 3D Object

The measured rooms can be **exported as an OBJ file**, meaning most of the 3D related softwares can open and manipulate it. It is good **for further editing, room showcases** or in the creation of simulations.

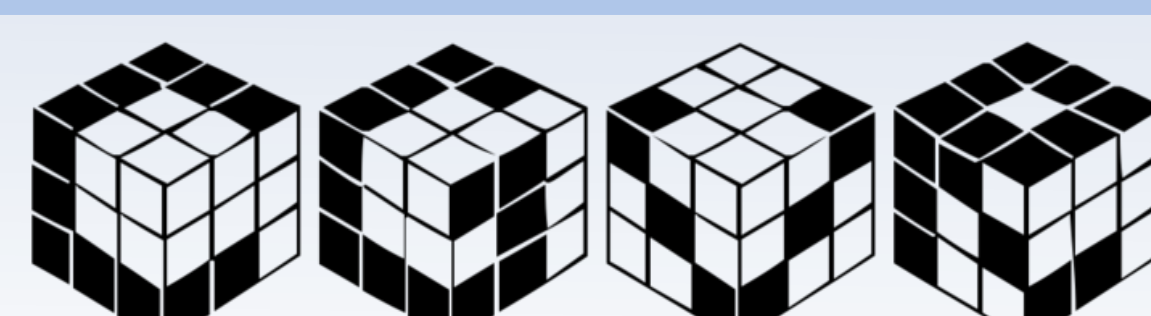
#### Future Plans

Once the application is complete, the plan is to release it in the **Google Play Store** as a **free application**. Currently it is only downloadable from the Bitbucket repository.

<https://bitbucket.org/ottsaar/room-mapper-ar/wiki/Home>

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