

Model Structure

Our application

To simulate the real usage of our application on the campus, we created a simplified model of the Grenoble campus, using mainly wood and carpeting. We represented different components, such as:

various schools and universities;
a campus cafeteria and a dorm;
shops and a bar;
a parking and sport fields;

The buildings were built using laser-cutting technology, made available by the LIG.



This button makes the application go full-screen.



This button allows the user to switch to the map.

When a building is scanned, various information appears on the screen.

Every building has a QR code.



Clicking on an item gets the user the same information than by scanning a building.



SmartCampus is an end-of-studies project at Polytech'Grenoble, led by five RICM students (studying networks and multimedia communication). The aim of this project is to create an augmented reality (AR) and crowdsourcing application.

In fine, this application will allow the user to access multiple types of information:

- crowdsourcing information, such as the length of waiting lines;
- general information about buildings and various campus components;
- variable information like transport timetables and cafeteria menus;
- sensor data, such as atmospheric and meteorological sensors.

Thanks to our partner 

Technologies used :



Our project's wiki page



RICM 5 Project



Polytech Grenoble

Each building will be managed by an admin who can handle the information published. He can also activate or deactivate sensors using the dedicated interface.