

## **RobAIR: Robotics Guide**





# Presentation of the project

Introduction and general aspects

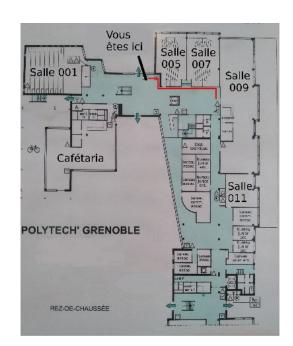
#### What is RobAIR?

- Telepresence robot platform based on Grenoble
- Intended for teaching robotics



## **Objectives of this project**

- Provide a map of the floor of the building where RobAIR is.
- Provide the path to this room
- Be driven to the room



#### How does it work?

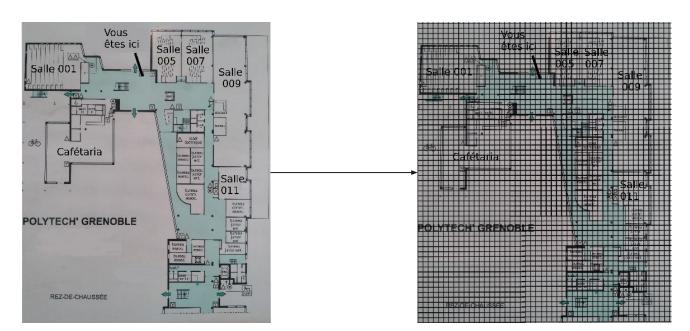
Technical aspects

#### Technologies used



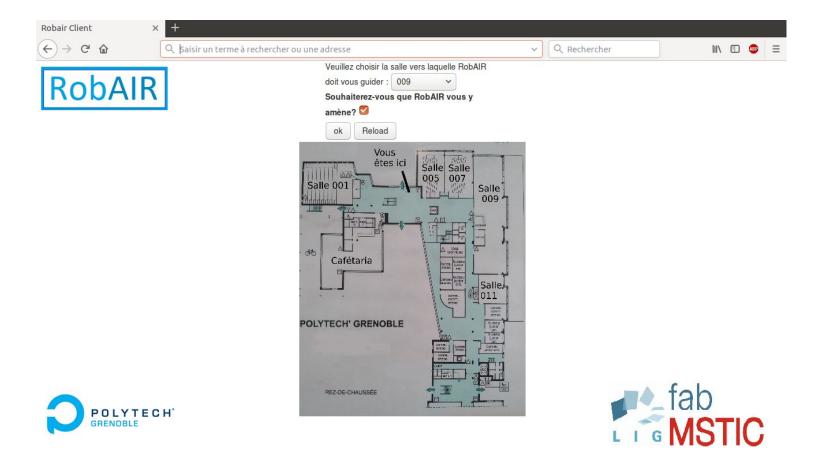


#### Map preparation for Dijkstra

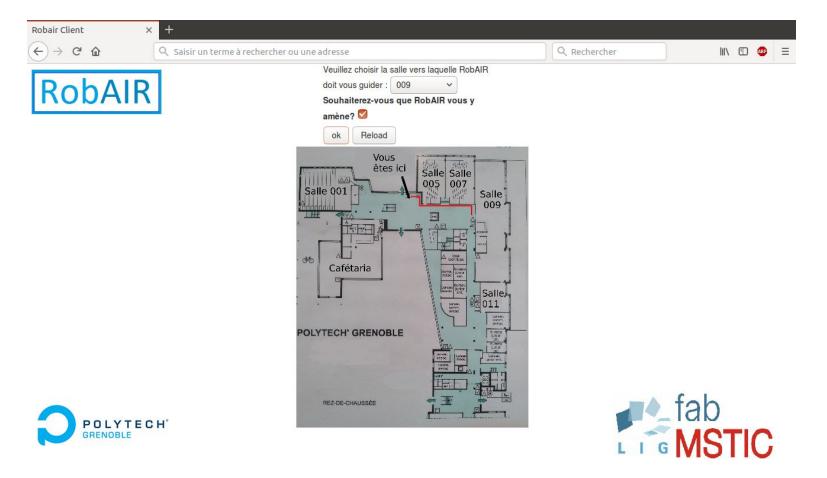


The map is written as a sequence of 0 and 1

### Interface overview



#### Customer interface



Customer interface with the path to the room 009

### Conclusion

#### **Difficulties**

- Technologies
- Installation
- FabLab availability

#### **Benefits**

- Discovery of JavaScript
- Discovery of ROS
- awareness of current technology (LiDar, Intel Movidius)

# Thank you for your attention

Demonstration time