



FINAL PRESENTATION

Team 2

THE MOPBOTERS

- 4 people
- 4 countries
- 4 studies
- 1 project



Corina Tuluc

Telecommunications



Frederique Verberne

Civil Engineering



Szymon Lasota

Business and Technology

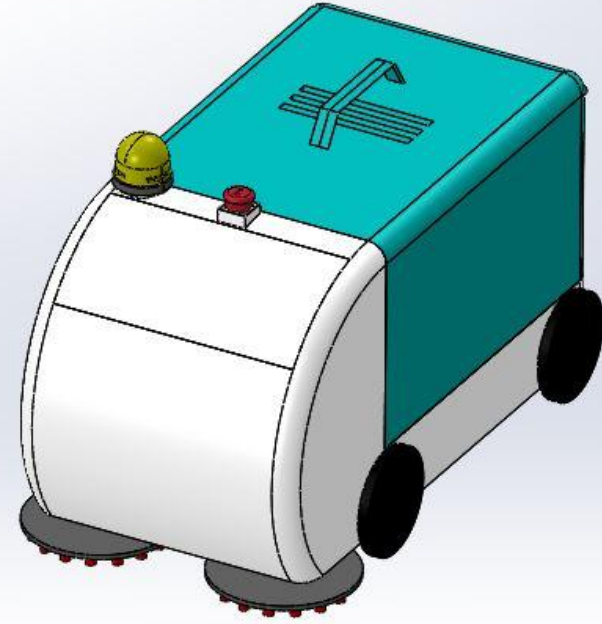


Tomás de Almeida

Mechanical Engineering

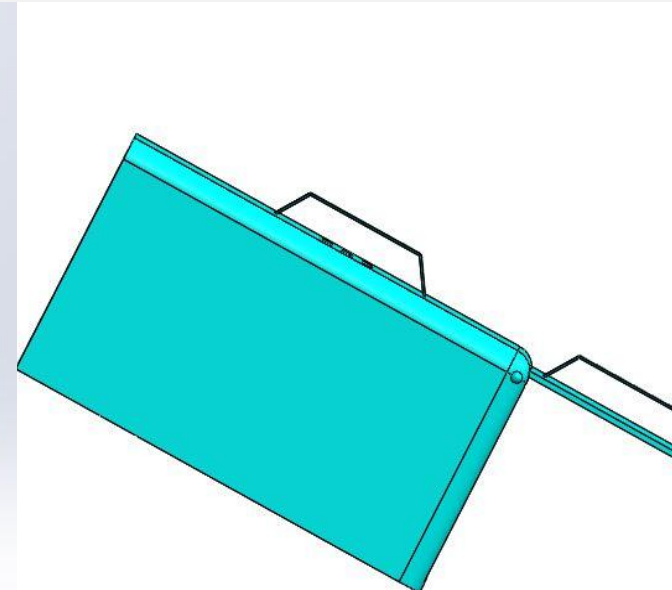
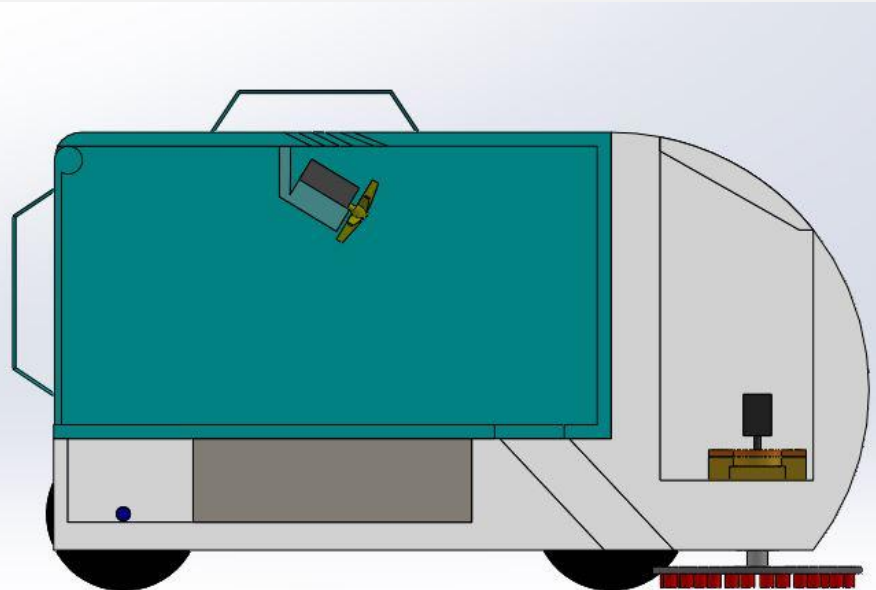
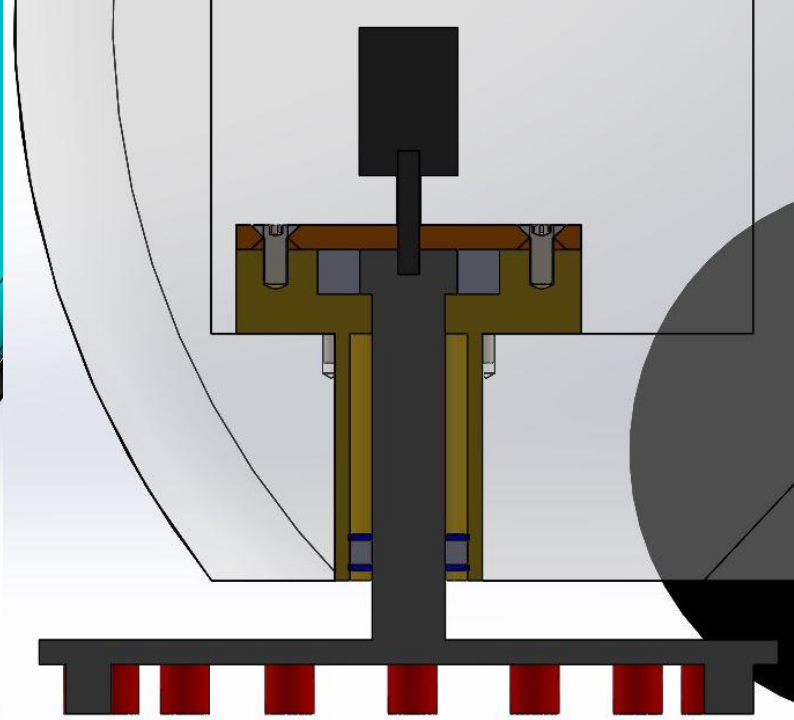
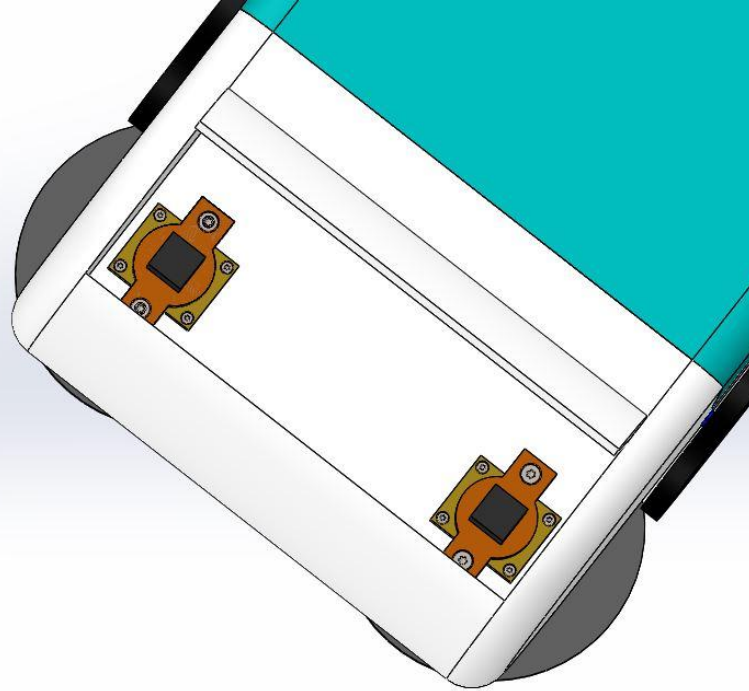
MOPBOT

- Medium size robot
- Big indoor areas
- Easy to use and maintain
- Eco-friendly

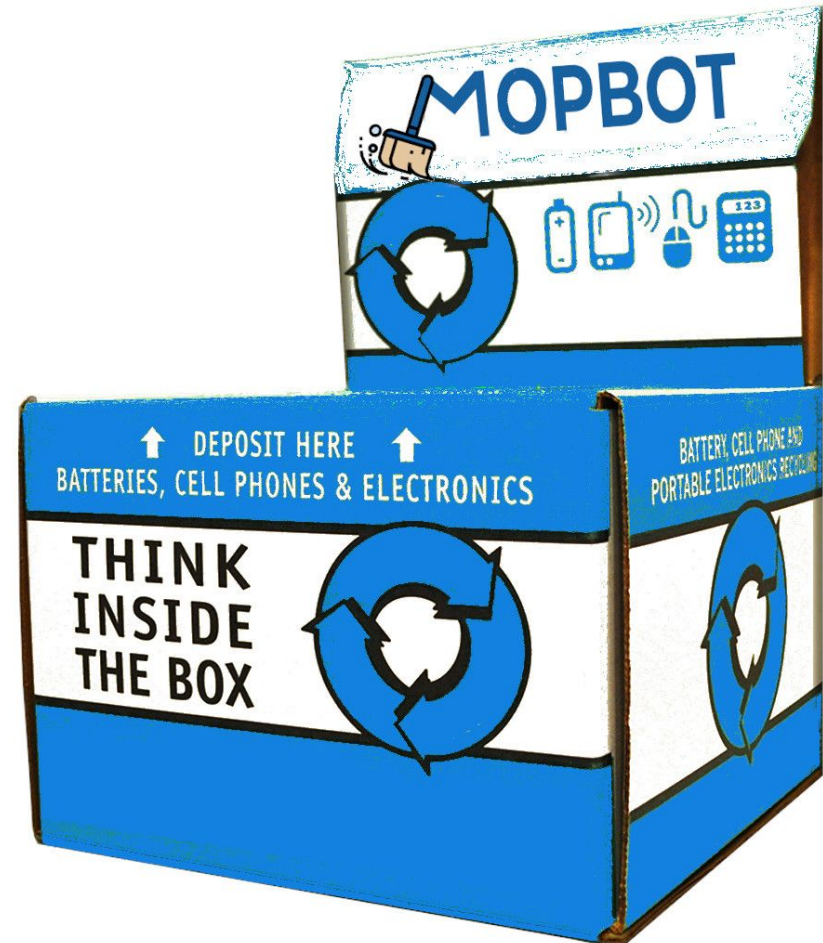


HOW IT WORKS?

- Two vertical brushes
- Powerful vacuum system
- Max. Speed: 2.52 km/h
- Efficiency: 756 m²/h
- Weight: 20 Kg

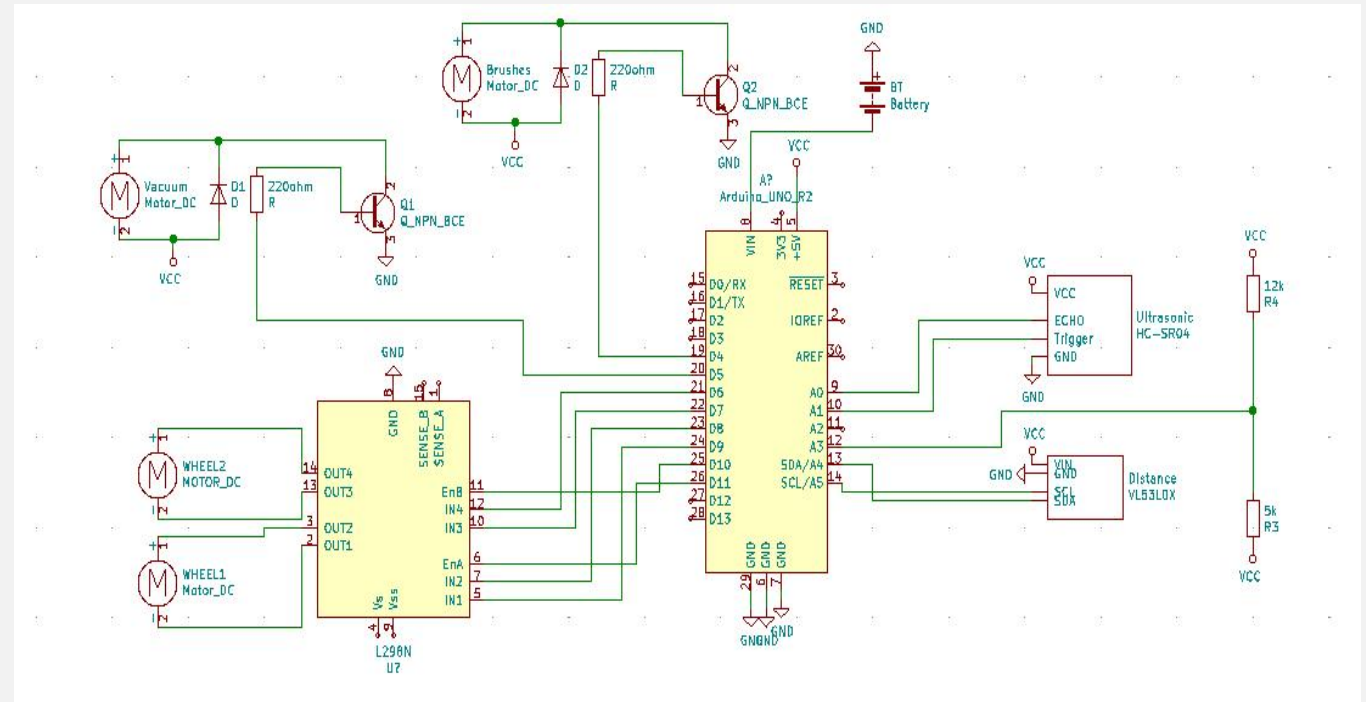


Packaging Solution



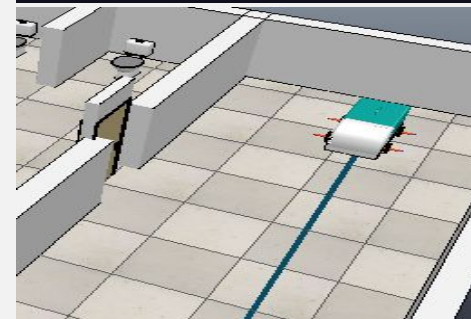
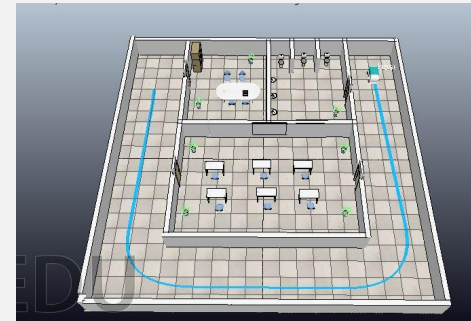
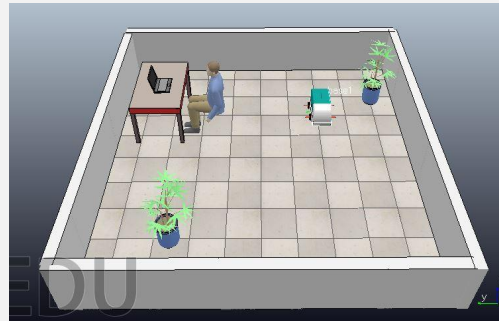
ELECTRONICS

- Arduino Uno
- 5 DC motors
- Ultrasonic Sensor
- VL53Lox sensor



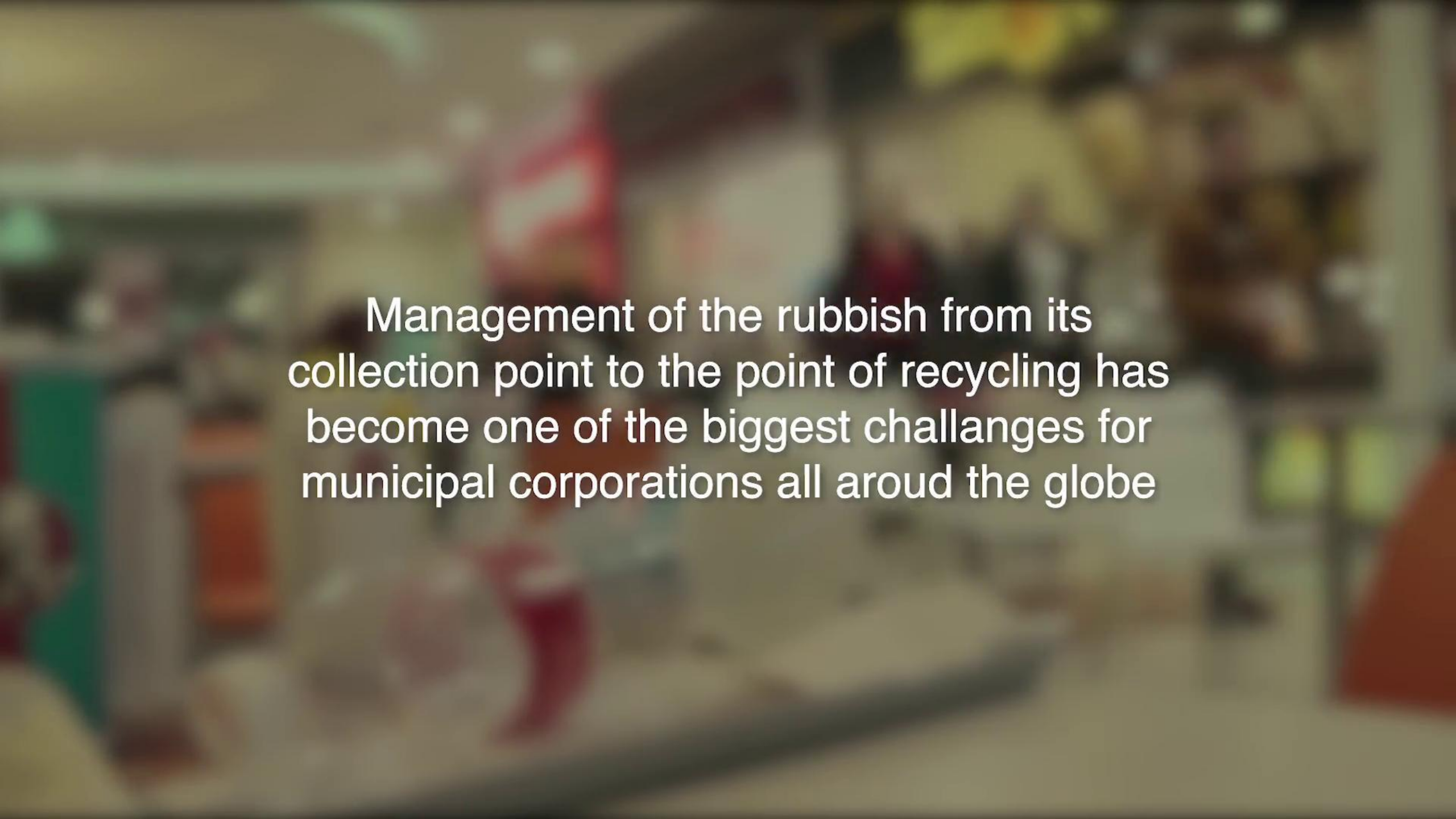
SIMULATION

- CoppeliaSim
- Lua code
- Environments
- User Interface
- Follow the line
- Lidar sensor



CONCLUSIONS AND IMPROVEMENTS



The background is a heavily blurred photograph of a busy street. In the center, a person is walking, wearing a light-colored top and dark pants. To the left, there's a red and white striped object, possibly a traffic cone or a sign. The overall scene is out of focus, emphasizing the text overlay.

Management of the rubbish from its collection point to the point of recycling has become one of the biggest challenges for municipal corporations all around the globe

Muito Obrigado

