MOPBOT

FINAL PRESENTATION

Team 2

THE MOPBOTERS

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

			
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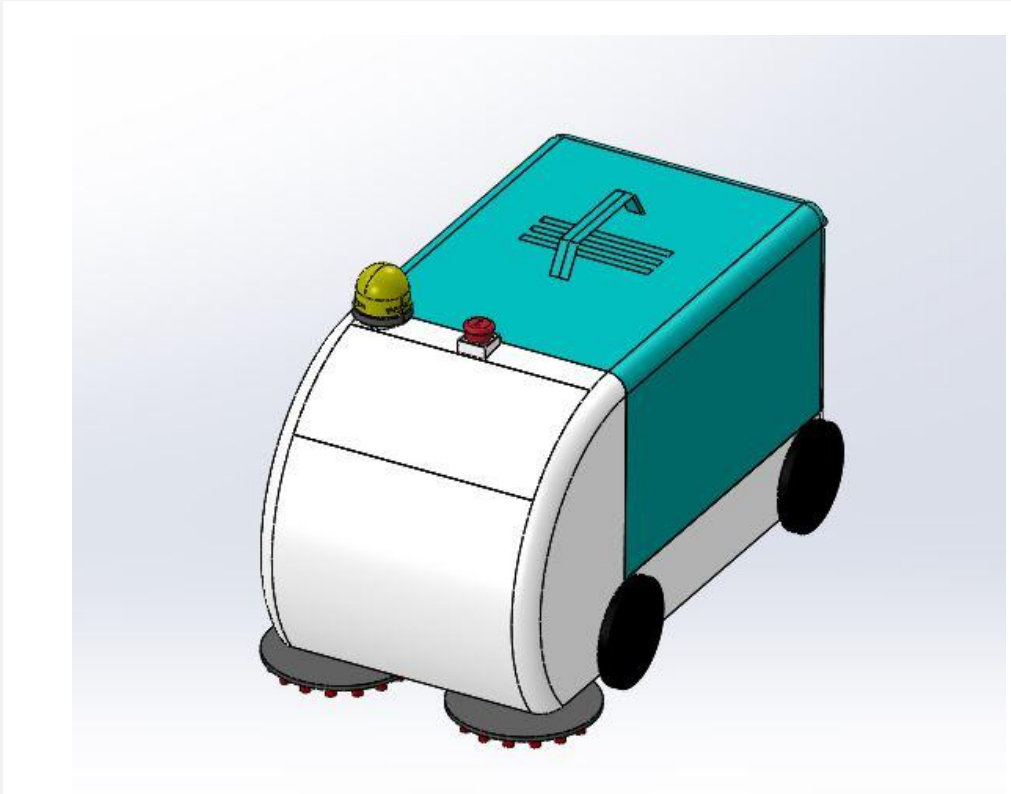
Telecommunications	Civil Engineering	Business and Technology	Mechanical Engineering

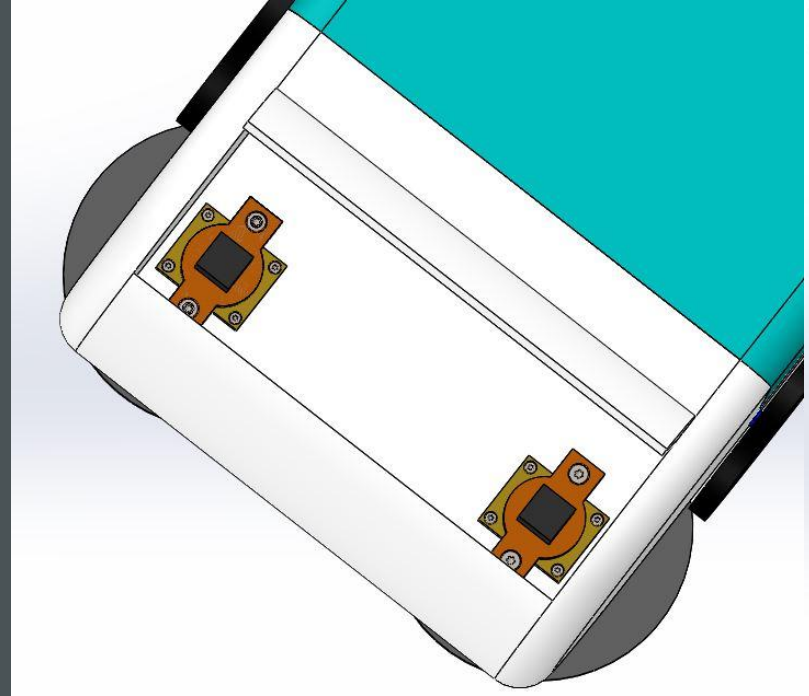
MOPBOT

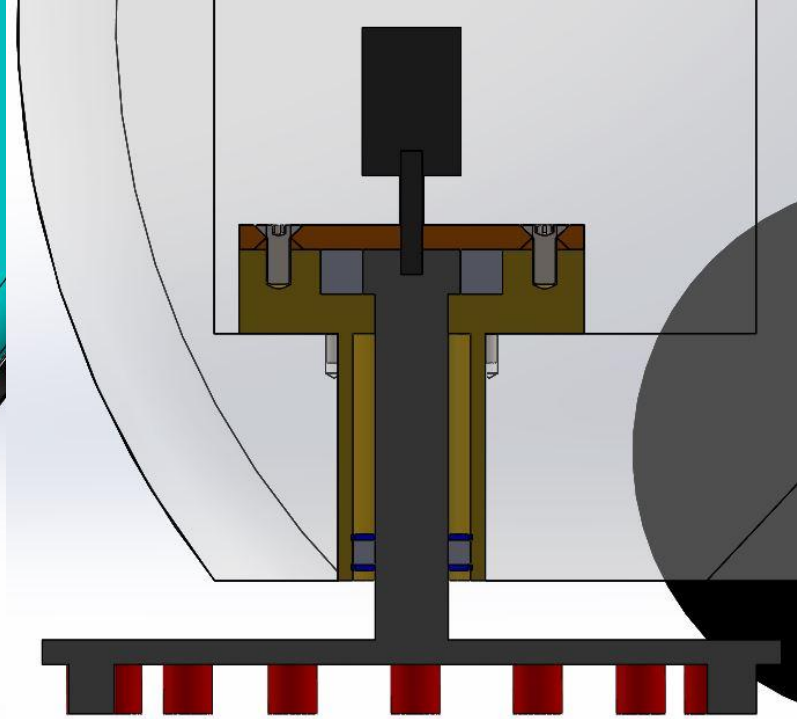
- Medium size robot
- Big indoor areas
- Easy to use and maintain
- Eco-friendly

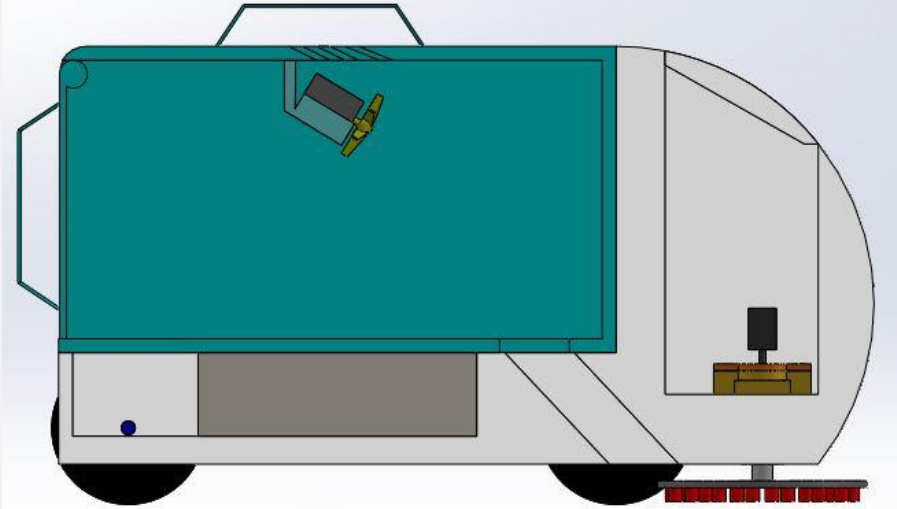


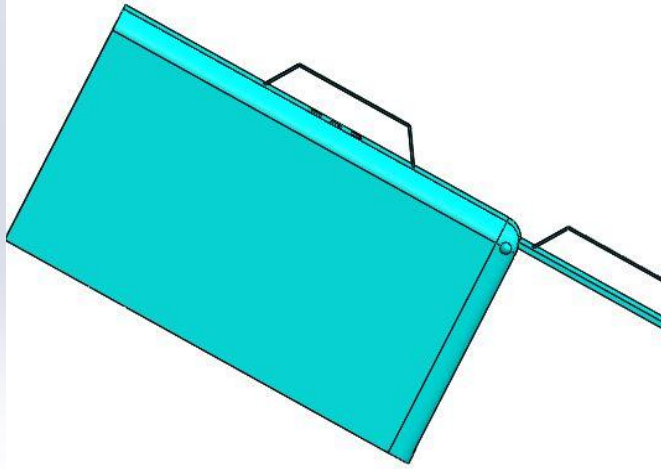
HOW IT WORKS?

- Two vertical brushes
- Powerful vacuum system
- Max. Speed: 2.52 km/h
- Efficiency: 756 m^2/h
- Weight: 20 Kg





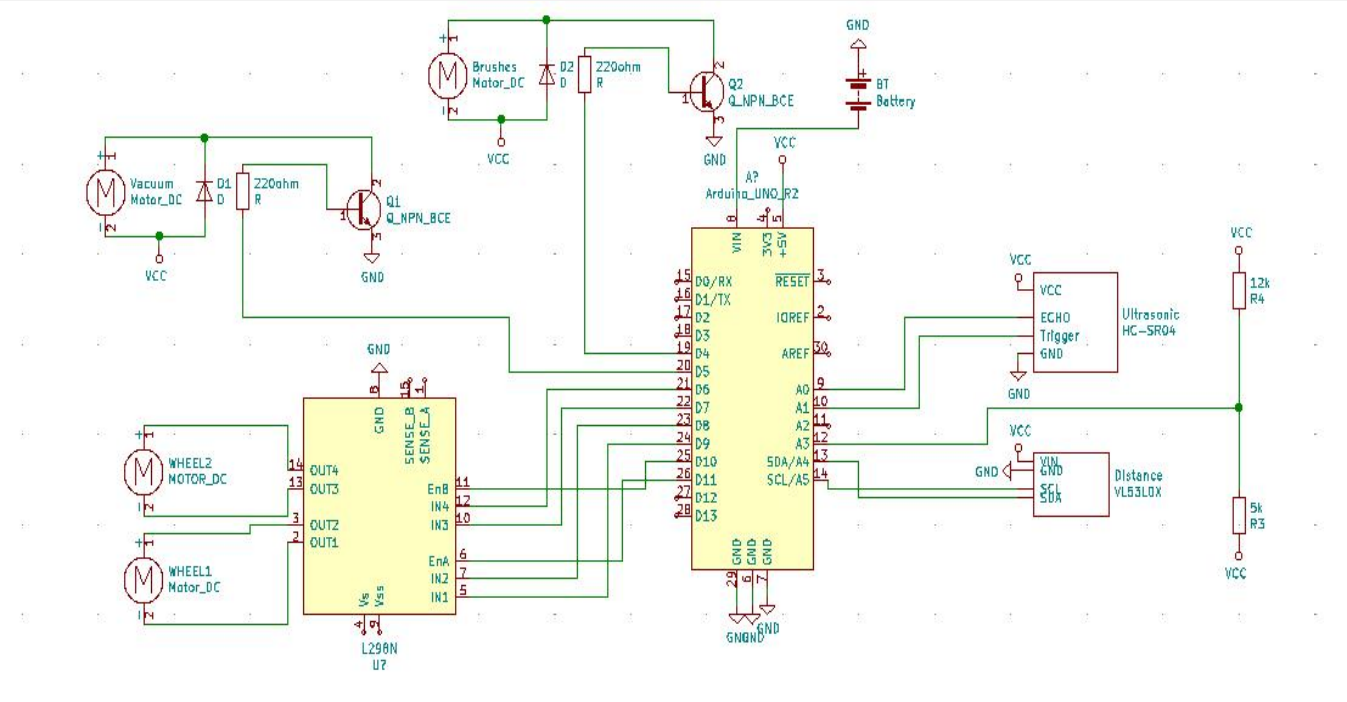




Packaging Solution

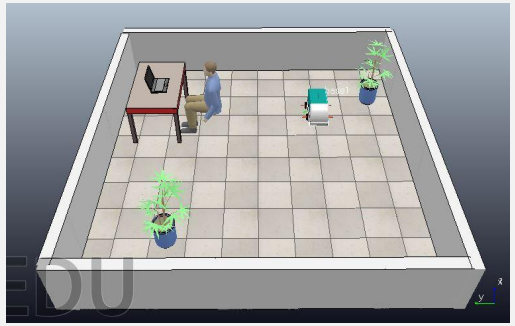
ELECTRONICS

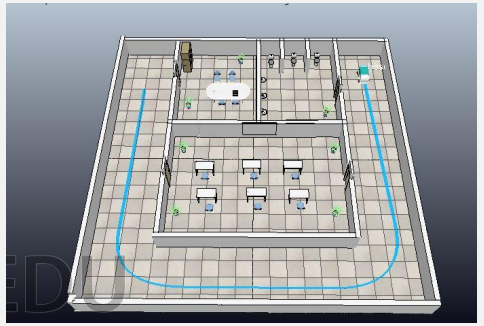
- Arduino Uno
- 5 DC motors
- Ultrasonic Sensor
- VL53Lox sensor

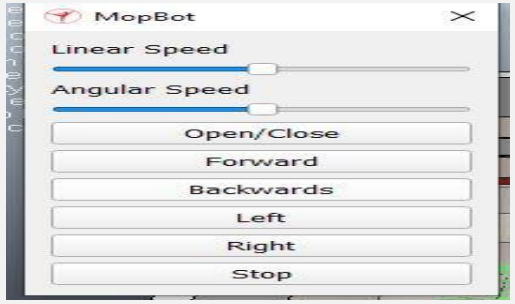


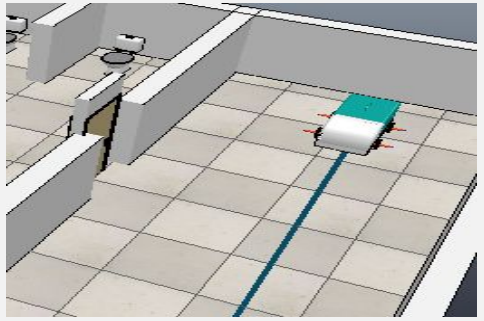
SIMULATION

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

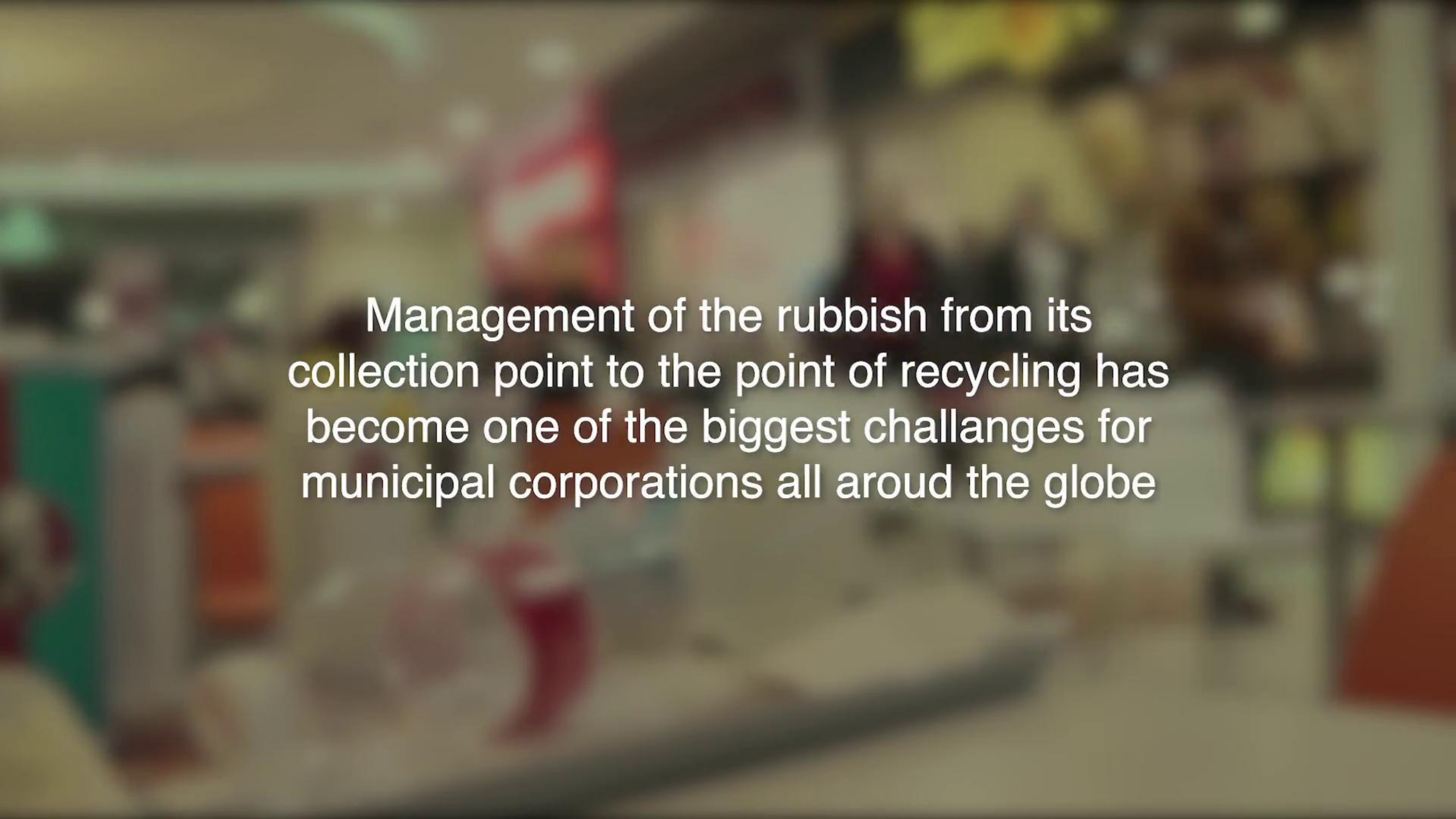








CONCLUSIONS AND IMPROVEMENTS


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

Muito Obrigado