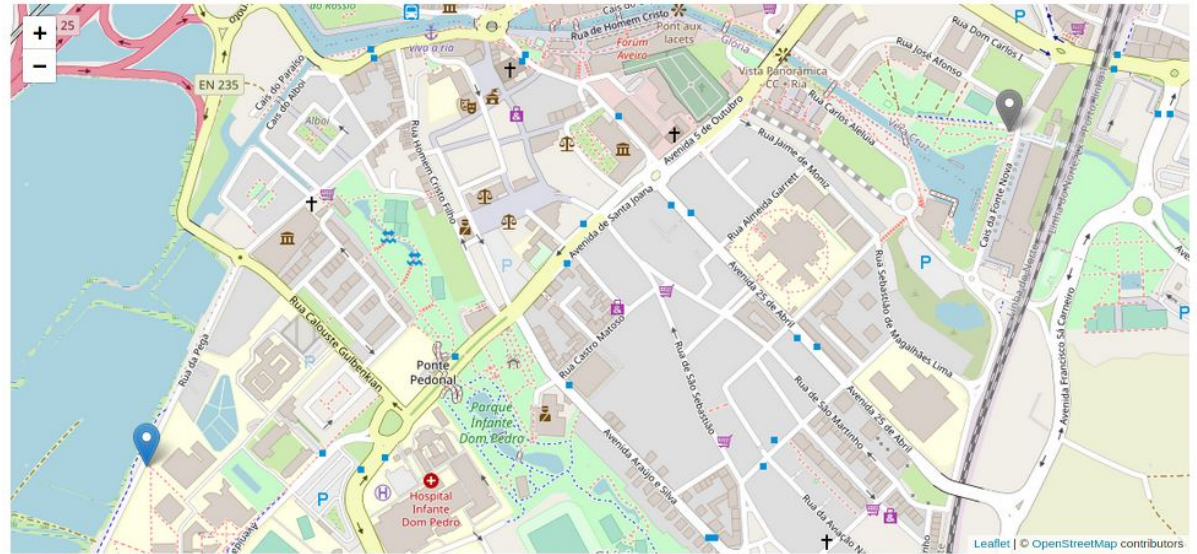# Mobility platform in Aveiro Tech City Living Lab Infrastructure

Milestone 3

Diogo Mendes, 88801
Hugo Leal, 93059
Luísa Amaral, 93001
Maria Cunha, 93089
Pedro Loureiro, 92953

Supervisors:
Dr.ª Susana Sargento
Dr. Pedro Rito

Brief introduction (I)

Brief introduction (II)

- Collect information regarding the number of people, cars, bicycles and moliceiros in certain areas of the city

- Use of object detection models to count the objects from the live video of cameras

- Use of Wi-Fi sniffing to count the number of devices near the smart lamp post

- Display of the data in a dashboard so that it may be observed by the public

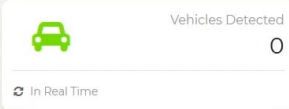# Conditions of the realization of the prototype

- Adaptability to a remote environment

- Weekly meetings with the Advisors to show the progress and to establish new tasks

- Creation of a Google sheet to keep track of all the tasks, their priority and who is responsible for them

- Communication through Zoom calls and Slack platform

- Use of telework services (VPN) of the Instituto de Telecomunicações
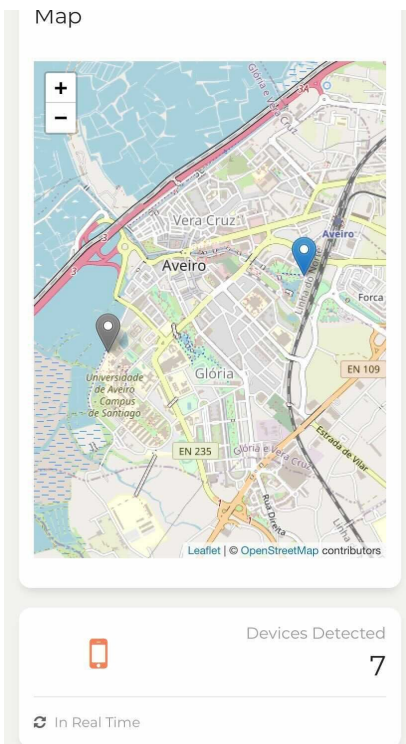
Dashboard

Next steps (I)

Next steps (II)

- Add a camera in Cais da Fonte Nova

- The camera will be a rotating adjustable one and adapt the current code to use it

- Count the number of devices inside certain moliceiros, using a OBU connected to a battery inside a secure water-proof container

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