







- 1) air quality sensors + gps // to track air quality based on car's location
- 2) RPI // represents car's ec. It gathers data from the sensors mentioned above and then publishes them to a topic in the server via MQTT. It also deploys the UI in order to inform the user for every hour/day.
- 3) server // collects data from the cars and also from state(5) (Copernicus system API) and then updates UI's data.
- 4) UI // it's a map based UI that depicts the region's air quality using heatmaps
- 5) Copernicus // it's an EU funded free data service that provides air pollution data (presented on maps)
- 6) Can Bus + Car // optional. Even though, the (4) will notify the user when entering/driving through air polluted areas, via the can bus the system can close the vent, partition and windows of the car.
↳ in extreme cases