## Abstract

VehicleGest is a complete Android solution to improve the control and maintenance of a logistics company's vehicle fleet, with a centralized database of vehicles, technicians, materials and personel, taking all this data wherever the company's personnel are.

In the past, where computers and telephones did not exist, all information was stored on paper. In recent decades, technology has evolved very quickly, as well as the way of storing data in businesses, companies and corporations. First of all, the information was stored in digital documents, but it is not productive for many reasons: low availability, inefficient teamwork, low consistency, low security, low reliability, among others.

VehicleGest will bring some features to improve it. Firstly, it presents a warning screen, bringing user technical incidents and ITV (Technical Inspection of Vehicles) dates, to avoid errors and improve scheduling control. On the one hand, it notifies when the ITV dates are close or expired. On the other hand, it warns about vehicle technical deficiencies or whatever that affects to each vehicle. VehicleGest have a main menu on this screen bottom that let users navigate to the other sections.

The second section is a list of services provided by our company. It has a search bar with filters to search a service. Each service is associated by a vehicle or vehicle group, and personel.

The next section is a vehicle list, that has a vehicle search engine and filters. Also users can navigate to each vehicle datasheet, and know what ITVs and personel has assigned to.

Finally, it has a personel list section that has a search engine too. It be able to search single personel datasheet filtering by some criterias, and assign a person in charge of each vehicle.

In conclusion, VehicleGest will improve the productivity of the company deleting the paper-based processes ,saving time and ensuring data is correct and easily accessible. It helps work more efficiently and reduces operating costs.