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ABSTRACT REPORT

“Implementation of a Technological Solution for the Management of Emergency Vehicles in the Talcahuano Fire Department”

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**Objective of the report**

This report aims to describe the implementation of a technological solution to improve the management of emergency vehicles of the Talcahuano fire department. The solution includes a mobile and web application that centralizes data on vehicle status, maintenance processes, intervention records and alerts of pending tasks.

**Methods or approach**

For the development of the solution, an agile methodology was used that allows iterating in the design and functions of the application according to the needs of the users. Web and mobile programming tools were implemented to ensure accessibility from various devices, and inventory and expense control modules were integrated to provide a detailed analysis of resources.

**Results or findings**

Preliminary results indicate a significant improvement in the efficiency of the emergency teams by reducing the time required to search for information before dispatching the vehicles.

The application will facilitate the control of costs associated with the maintenance of vehicles and has allowed to record in a timely and accurate manner the interventions performed on each cell phone or by registering on the web.

**Conclusion**

The implementation of this application contributes to optimize the operations of the Talcahuano Fire Station N°1, allowing the teams to focus on their emergency tasks with greater efficiency.

This solution not only benefits firefighting personnel, but also positively impacts the community by improving response times and the quality of service in emergency events.