

Technological development and integration for passenger identification

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TRANSFORMAMOS TECNOLOGÍA EN PRODUCTIVIDAD

Métrica Móvil is a Mexican telematics engineering and technological innovation company for fleet management, founded in 2011 in Torreón, Coahuila, with presence and service throughout Mexico.

Métrica Móvil provides its clients with telematics technology solutions, focused on the integration of vehicle data, and has equipment solutions and technological platforms so that its clients have the level of transformation they need.

The Challenge

Métrica Móvil contacted Didcom in 2019 to learn about the operation of the Didcom PID - Passenger Identification solution, as they required a solution that could resolve the control and capacity of personnel in the industrial transportation service for one of their clients.

The project was focused on obtaining information on passenger get-in and get-off schedule events, as well as the location of each of said records with the objective of obtaining detailed and relevant control of passengers transportation use habits.

- + Information on get-in and get-off events time for each passenger
- + Trip logs per passenger (unit, date, location, route)



The Didcom PID solution integration represented several challenges of varying complexity as part of the implementation and compatibility process, among which the main highlights are the Integration of the RFID technology used by the end customer in their control access to their infrastructure, with the purpose to take advantage of the collaborators cards in the personnel transportation use registration.

The project was not limited to the compatibility of one type of reader, but to a wide variety of readers and cards to be able to work with all the variables existing in the end customer's transportation service network.



The Solution

The solution addressed the most critical aspects of project development at the product engineering level, both at the hardware and software levels. It was necessary to redesign the physical connection between Didcom PID and the client's card readers, as well as develop communication compatibility between both products, which was a central element in our approach to guarantee the success of the project.



Technology Development and Integration

The solution considered the most important points to be met in the development of the project at the hardware and software level.

Didcom

- + Engineering and development concept to resolve the compatibility requirement
- + Adaptation of the solution at the engineering level in physical design and connectivity to ensure compatibility
- + Standardization and integration of 4 variants of readers for PID

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- + Development of software for capacity control according to the client's requirements, integrated with MyGeotab as Addin





The Benefits

Nowadays, the end customer controls capacity in an organized manner with a technological vision that allows them to promptly monitor the transport units and users who use the service.

- + **Integration of a unique solution in the market due to its wide compatibility and ability to adapt to the needs of the end customer**
- + **Accurate visibility of pick-ups and drop-offs in the personal transportation service, as well as the capacity in each vehicle that provides the service to third-party companies**
- + **Significant improvement in the efficiency of the personnel transportation service with precise records that allow for timely adjustments in the operation.**
- + **Identification and exploitation of savings opportunities by monitoring the use of the transportation service according to the service assigned to each passenger**
- + **Increased competitiveness in operations and business through the implementation of processes that contribute to Digital Transformation**
- + **Establishment of new business opportunities by integrating a technological ally as an essential component of the value-added service for end customers**



Results that transcend

Métrica Móvil has more than 900 Didcom PIDs installed in various transportation companies in Mexico, reaffirming its participation in the personnel transportation management market with a technological solution according to the needs and adaptable to the requirements of its clients.



¡Let us create a success story with your project!

Didcom can help you boost monitoring in your fleet management through the integration of technological solutions that provide an accurate overview of the operation, turning data into a competitive advantage to add value to your commercial proposal.

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