



UHF tags positioned in the sides of each wagon



Antennas for tag reading, positioned beside the rails



General Vision

Problem: The challenge was identifying the passage of each wagon without compromising the performance of the workers.

Solution: Usage of specific UHF RFID tags for metallic surfaces which withstand severe environments in wagons and readers through sectors and terminals.

Advantages: More agility in the logistic process and in the wagon identification without compromising the operator's performance.

Benefits: More traceability, necessary to ALL's operation.

Target: Logistics.

ALL - América Latina Logística identifies its compositions with accuracy and security

One of the solutions implemented by ACURA Global allows the identification of every wagon through tracks and terminals.

América Latina Logística is the biggest independent company of logistics services in South America, which operates, in an integrated way, the railing and highway modals for several customers in countries like Brazil and Argentina. Born in 1997, as Ferrovia Sul Atlântico, it was one of the three companies to assume, on that year, the railing services in Brazil. In the following year, also assumed the concession of railroads in central and northern regions of Argentina. In 2001, acquired Delara, a brazilian highway transportations company and widened its logistics support. It is 21,300 kilometers of highways in both countries, being, exclusively in national territory, almost 16 thousand of the more than 29 thousand kilometers of railroads existing in Brazil.



Ideal Products for the Solution



500.024 - Mercury 6 UHF Reader

The Mercury 6 is a UHF RFID reader with small dimensions and high-performance. Based on the powerful M6e module, it supports Up to 4 monostatic antennas, digital inputs and outputs and a Wi-Fi connection. It also has an API for software development in C, .NET and Java.

For more information about this product, [click here](#).



500.277 - UHF Monostatic Compact Antenna

The monostatic compact antenna has great performance, resistance and design. Approved in several tests, it can be used on internal and external environments, with inox and aluminum metallic parts. It can be used along with any ACURA UHF RFID reader that supports monostatic antennas.

For more information about this product, [click here](#).



500.475 - AcuTag UHF Ironside

AcuTag UHF Ironside, Tag developed for metallic surfaces and severe environments.

For more information about this product, [click here](#).

About the Solution

The Client: América Latina Logística is the biggest independent company of logistics services in South America, which operates, in an integrated way, the rail and highway modals for several customers in countries like Brazil and Argentina. Born in 1997, as Ferrovia Sul Atlântico, it was one of the three companies to assume, on that year, the rail services in Brazil. In the following year, also assumed the concession of railroads in central and northern regions of Argentina. In 2001, acquired Delara, a Brazilian highway transportations company and widened its logistics support. It is 21,300 kilometers of highways in both countries, being, exclusively in national territory, almost 16 thousand of the more than 29 thousand kilometers of railroads existing in Brazil.

Proposed Challenge: The challenge was to identify the passage of each wagon without compromising the performance of the workers. During the course and when it arrived at the terminals, the workers always had to check if the wagon was supposed to be there or not.

Equipment: M6 UHF Reader, UHF Monostatic Compact Antenna and Ironside UHF tags.

Solution: Usage of specific UHF RFID tags for metallic surfaces which withstand severe environments in wagons and readers through sectors and terminals.

Functioning: The tag is applied to the wagon and antennas and readers are installed in specific areas of the railroad. When the train passes through these areas, the reader identifies the wagon automatically, guaranteeing more efficiency and practicality without the need of human intervention.

Features / Practical improvements: With this automated system, personnel presence to make wagon conference is avoided.

Gains / Benefits: More traceability and practicality needed for ALL's operation.



ACURA has a focus on the market of general identification, with emphasis on RFID (radiofrequency identification), providing RFID Tags (Transponders), Proximity Cards, RFID Readers and Data Collectors.

For more information about this and other ACURA solutions, visit www.ACURAGLOBAL.com

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