



UHF readers positioned for identification in the roads

Antennas for tag reading



### General Vision

**Problem:** Identifying vehicles in toll stations, mall gates and building entrances.

**Solution:** Usage of UHF tags to be identified when the vehicles go through the readers close to the gates.

**Advantages:** Com este sistema automatizado, evitam-se a necessidade de parar o veículo evitando filas.

**Benefits:** Vehicle stopping is avoided, increasing safety.

**Target:** Logistics.

## **DBTrans establishes total vehicle fleet control through tolls**

*One of the solutions implemented by ACURA Global allows for identification of passages of vehicles in the toll stations, malls and living complex entrances.*

Founded in 2001, DBTRANS was homologated by ANNT (National Land Transport Agency) to provide mandatory toll services for embarking and transporting companies in Brazil. In 2006, it expanded its working range and started attending to retail too, taking to its clients the best Automatic Vehicle Identification (AVI) technology for tolls and parking lots. With a site in Rio de Janeiro and offices in Porto Alegre and São Paulo, DBTRANS is present in all toll stations in Brazil, dedicating all the effort of its collaborators to the expertise of RFID technology for the development of products more aligned with the needs of its clients.



## Ideal Products for the Solution



### 500.024 - M6 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 - 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](#).



### 500.480 - Tag UHF Acura T-5 Mini

UHF tag for applying in windshields. Used in automatic vehicle identification applications for access control.

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

## About the Solution

**The Client:** Founded in 2001, DBTRANS was homologated by ANNT (National Land Transport Agency) to provide mandatory toll services for embarking and transporting companies in Brazil. In 2006, it expanded its working range and started attending to retail too, taking to its clients the best Automatic Vehicle Identification (AVI) technology for tolls and parking lots. With a site in Rio de Janeiro and offices in Porto Alegre and São Paulo, DBTRANS is present in all toll stations in Brazil, dedicating all the effort of its collaborators to the expertise of RFID technology for the development of products more aligned with the needs of its clients.

**Proposed Challenge:** Identify vehicles in the toll stations, mall gates and building entrances, without the need to stop the vehicles.

**Equipment:** M6 UHF Reader, T-5 Mini tags and Monostatic antennas.

**Solution:** Usage of UHF tags to be identified when the vehicles go through the readers installed next to the gates, checking if the vehicle can go through.

**Functioning:** The tag is applied to the vehicle windshield. When the vehicle approaches the antenna close to the gate or the entrance, the reader identifies the installed tag, authorizing its passage and opening the gate, without the need to exit or stop the vehicle.

**Features / Practical improvements:** With this automated system, the need to stop the vehicle is avoided, diminishing rows.

**Gains / Benefits:** Vehicle stopping is avoided, increasing safety.

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](http://www.ACURAGLOBAL.com)

e-mail: [sales@acuraglobal.com](mailto:sales@acuraglobal.com) | Tel.: +55 11 3028-4600 | [www.ACURAGLOBAL.com](http://www.ACURAGLOBAL.com)