

CASE STUDY

CAR SHARING ACCESS CONTROL AND SECURITY PROVIDED BY RFID-ENABLED USER AUTHENTICATION



A leading international car sharing company ensures success with RFID. ELATEC solution provides the required versatility, durability and obsolescence protection.

REQUIREMENTS

An innovative car sharing business model coupled with rapid global expansion necessitated an RFID vehicle access control solution that would work across all car sharing locations and with numerous transponder technologies. This would enable a simplified reservation process, reduce costs, improve vehicle security and increase customer satisfaction.

BENEFITS

- + Simplified reservation process
- + Assured user access and vehicle security
- + Single part number universal RFID card reader
- + Enables authentication across all locations worldwide

PRODUCT: TWN4 MULTITECH 2

- + Supports 60+ transponder technologies worldwide
- + Compact design
- + Remotely programmable
- + Enables usage tracking
- + Certified for use in 110+ countries

PRODUCT

ELATEC recommends the TWN4 MultiTech 2 which is certified for use in 108 countries.

For more information see:
elatec.com/multitech2



SITUATION

A major international car sharing company required a vehicle access control solution to enable a simplified reservation process, assured vehicle security, and a single part number for an RFID card reader that works for multiple, different car sharing locations.

CHALLENGE

Supporting multiple and evolving access control technologies, ease of integration and absolute reliability were key concerns for the company, while maintaining convenience and security for drivers. The company needed to provide user authentication and secure unlocking of the car for the customer.

SOLUTION

RFID was determined to be the most secure and cost-effective solution over magnetic stripe, bar code and biometric alternatives. Using ELATEC RFID card reader technology, the company provided newly registered customers a permanent RFID card for access to their vehicles, eliminating both the need for a rental agent and for car keys to be physically issued to the driver.

ELATEC's TWN4 MultiTech 2 card reader was selected for its versatility in supporting more than 60 RFID technologies simultaneously, ensuring compatibility with multiple, different car sharing systems requiring integration as a result of numerous acquisitions worldwide. This single part number solution ensures the correct card reader is installed in the finished product. And as the TWN4 MultiTech 2 card reader is remotely programmable, adding additional RFID technologies or modifying card reader behavior is easily done with remote communication, eliminating the need for expensive and time-consuming touch labor.



ELATEC is a world leader in RFID readers for user authentication in access control and authorization applications. Their multifunctional designs support LF and HF frequencies, Near-Field Communication (NFC) and Bluetooth Low Energy (BLE).

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