

**RFID**

# **VEHICLE MANAGEMENT**



**RFID solutions in  
vehicle tracking.**

**RFID solutions help  
in making car parking  
lots more efficient.**



**In the modern world where security and efficiency are of utmost importance, solutions for vehicle management are necessary. Vehicle management using RFID tags includes the Vehicle Tracking & Parking Management Solutions. Both these solutions ensure safety, efficiency and ease of operations in all sectors.**

## **VEHICLE TRACKING**



There are 2 kinds of vehicle tracking:

**# Traditional tracking with GPS device:**

The GPS device is installed in the vehicle connected with GPS satellite. The GPS device communicates its location to the cloud server using GSM network. The cloud server receives vehicle's location and plots it on the google map. The vehicle route is plotted on the map with all the location points received from GPS device.

**# Tracking with RFID/NFC tags:**

An NFC Tag is installed on the vehicle, it will have its unique tag ID. A mobile application will map this NFC Tag ID with the vehicle no. The user has to periodically tap the NFC Tag. The NFC tag will send its location to the cloud server along with the NFC tag ID. The cloud server will detect the NFC tag ID and distinguish the different vehicles, and plot the location on Google Maps. The user has to be advised to periodically tap the NFC Tag, so the entire route can be mapped.

## **PARKING CONTROL SYSTEM**



**Does the place you work at offer parking space to their visitors? If yes, then you would need a cost-effective and secure parking control solution for the space. Whether it is for an office building, a residential complex, a gated community, a hotel, or a college campus, an intelligent parking control system would prove to be efficient, safe and secure for both your visitors and their vehicles.**



## **WHAT MAKES AN RFID PARKING CONTROL SYSTEM**



The RFID Parking Control System is a control and monitoring system designed for use at residential condominiums, gated communities, business parking garages, university parking areas, and hospitality or retail centers. The system is powered by three key components:

- # RFID Vehicle Tags (hang tags and windshield tags)
- # RFID Readers
- # Parking Control Software

These three components work together to provide vehicle parking control, and is highly customizable to fit the requirements of any parking facility. The Parking Control System ensures access is only granted to authorized vehicles in three simple steps. Here's how:

- # RFID Vehicle Tags are assigned to all vehicles.
- # RFID Readers are installed at entry and exit points within the parking facility. When vehicles approach, the Readers "read" the signals being broadcasted by the RFID Tags displayed on each vehicle.
- # RFID Vehicle Tag transmits data, and this information is then imported into the Parking Control Software. The software tells the system to grant access to the vehicle, records their activity, and can even trigger surveillance cameras at the entry/exit points or log and bill back parking charges to the customer. This is all accessed through an easy-to-use interface.

## **PERSONNEL TRACKING SYSTEM BENEFITS**



**24 hours unmanned operations**



**Multiple locations managed from one location**



**Reduces operation expenses**



**Remote management**