"RFID VEHICLE TRACKING SYSTEMS"

Daphne Systems
End to End RFID Solutions Since 2005

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When we are discussing a solution of parking-lot management or entry/exit facility for a vehicle at Organization or RWA society, in traditional/older technology manual or mechanical transactions require drivers to stop, roll down their window, swipe a magnetic stripe card, wave a proximity card or punch a keypad to get access of the system. But our automated and non-stop system allows vehicles to flow quickly through the entry/exit gate and is fully controlled over the system. It also provides authorized and unauthorized movement of the vehicle at the entry/exit gate.

Daphne Systems Private Limited is an RFID System Integrator, providing application research - based turnkey solutions that empower organizations to achieve competitive advantage from radio-frequency identification (RFID) and enhance their business performance. We envision creating and extending knowledge in RFID utilization and its impacts on business processes. We maintain international standards of excellence and implement comprehensive, industry-tested turnkey solutions that will provide value, scalability, and return on investment across an organization

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OUR SOLUTION

User Friendly
If something, especially something related to a RFID, is user-friendly, it is simple for people.

Hassle Free
Working comfortably without any problem.

Reduce Time
Known for reducing time and searching easily.

Less Maintenance
It's require very little time, money, or effort to look after them.

User Friendly   **Hassle Free**   **ReduceTime**   **Less Maintenance**

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RFID SOLUTIONS

Daphne Systems provides an RFID-based Vehicle Tracking System (**VehicleTrack**) that's a complete solution. The most important challenges of the parking areas of organizations or society have to be filled up with the registered and authorized vehicle. It also has to automated, efficient monitoring system that identifies and allows for the accurate vehicle of organization or society to easy Entry/Exit point.

VehicleTrack is designed to be modular and different modules can be used to build a system to meet your requirements, provide identification, tracking, security, and automation of vehicles. Each gate has an entrance and exit boom-barrier (or doors) equipped with RFID readers along with antennas. Each vehicle has a passive tag, which is applied inside the windshield. The windshield tag is a high-performance tag that is ideal for plastic and glass. The RFID system can be integrated with software systems for reporting and revenue collection, which provides even greater cost-cutting and time efficiency to societies, parking operators, corporate and municipal parking facilities. Implementation of **VehicleTrack** is quick and easy and can be used in conjunction with existing systems.

Increased vehicle security

Reduced traffic at entrance and exit point

Discrete control of security authorization by identification

Non-stop & hassle-free operation

Proper management of visitor's entry/exit

Affordable, easy to install & less maintenance

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RFID COMPONENTS

VehicleTrack Software:

VehicleTrack-Web is java based web application (with Apache-server and MySql database) which allows us to use this system as particular user as well as administrative privilege. The VehicleTrack software is a backbone of whole solutions. A passive RFID based Vehicle/Visitor Tracking standalone Software that provides a complete record of tracking of vehicle, parking lot and fleet of vehicles and Visitors. It includes the feature of identification, tracking, security, automation and different types of customized reports.

- Add / delete users
- Easily download reports: vehicle wise, owner wise, department wise, yearly, monthly, weekly & daily.
- Theft control
- User information: in/out timing

RFID Windshield Tag:

Capable of storing and rewriting the vehicle related information. The Windshield Tag is optimized for attachment to vehicle windshields and is primarily used for access control in entry/exit gate, parking areas or secured "campus" environments etc.

- High performance, easy installation
- Tag is a tamper proof tag and can be easily attached with self adhesive tape.
- It is a flexible tag and operates effectively with read range of over 8-10m when attached inside of vehicles's windshield.
- Unique serial number and the associated barcode are printed at the front of the tag to allow automated processing and easy issuing to end-users.

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RFID COMPONENTS

RFID UHF Fixed Reader:

This innovative long- range integrated reader is an all-in-one device that operates at a frequency range of 860 to 960 MHz and is an ideal solution for applications such as intelligent traffic management, logistics, ticketing and access control.

- High performance, easy installation
- Built-in 12 dBi antenna ensures long-range reading and writing
- Super anti-interference ability
- Provides all kinds of communication interfaces and customizing is available too

RFID UHF Desktop Reader:

The UHF Desktop Reader is used for tagging, in which mapping of the RFID Tags with Assets Ids is being done.

- Self-intellectual property
- FHSS or Fix Frequency transmission
- Low-power design, USB direct power supply
- Provide DLL and Demonstration Software Source code to facilitate further development
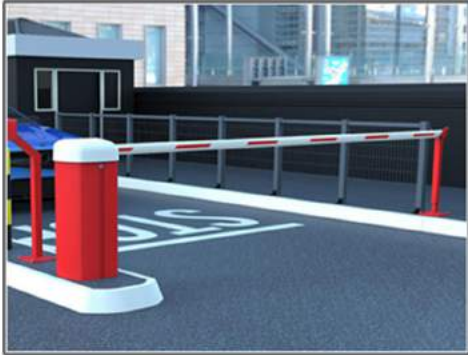
Tagging Application Software:

The Tagging Station is a stand along desktop application software. It is used for mapping of tags with Assets Id that will past on assets for their tracking with RFID Device.

- Convert existing materials to RFID quickly adn easily; more than 3 times per minute
- Program RFID Parton cards and update the information in database
- Processes barcode and RFID Tags

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RFID COMPONENTS

Boom Barrier:

Automatic Barriers interface with RFID Reader and automatically open when an authorized vehicle is   identified. Barriers offer and efficient security at the exit and the entry points of Factories, Office Complexes, and Condominiums, Parking lots, Toll tax plazas or any road-way entry where VehicleTrack is deployed.

- Controller interface with RFID Reader
- Push Button Remote Control
- Microprocessor Based Control Panel

Anti Crash Sensor:

These sensors are sensing objects based on infrared rays through their transmitter or receiver. We use a photosensor or anti-crash sensor. Photosensor sense the object below the boom to prevent the boom-barrier from closing if the vehicle (or any object) is found in sensor range(just below the boom-barrier) while, anti-crash sensor Sense the object movement to down the boom on the stand if it is opened.

- Resolution 0.1μm
- Accuracy: 1μm (full range), 0.5μm (narrow range)
- High-speed response of 3ms
- Easy-to-use 2-line digital display controller

Daphne Service and Support

Unrivaled Assistance You Can Rely On

With more than 16 years of experience, we are maintaining our product quality, services, and commitment in the RFID industry. We are using globally branded products as per follow international/global standards. We provide customized solutions as per organization/department requirements. We are committed to innovating our services/support and timely delivery. Our RFID solutions are very eco-friendly.

with our organization you get assurance

trained technicians providing premium support

quality control assurance

ongoing software updates and bug fixes

Our Esteemed RFID Clients

NTPC VINDHYACHAL	NTPC RIHAND	Ambedkar University Delhi	Kashmir University	CSKHPKV PALAMPUR
SRM UNIVERSITY	CIT KOKRAJHAR	Morigaon College	IABM BIKANER	BITS VADODARA
SKRAU BIKANER	CIPET JAIPUR	NIFM	Physical Research Laboratory	KKHSU GUWAHATI
thsti	RCB FARIDABAD	SAMC DELHI	SRK MUMBAI	NCCS PUNE
HAFED PUNCHKULA	PERFECTVISION FARIDABAD	PME NOIDA	FX HYUNDAI FARIDABAD	

...and many more

we are certified form: ISO 9001:2015 | MSME Ministry of MSME, Govt. of India | GeM Government eMarketplace | IEC

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