

PARKING SYSTEMS

- PARKING MANAGEMENT SYSTEM
- PARKING GUIDANCE SYSTEM
- ON-STREET PARKING SYSTEM
- GATE BARRIERS & ACCESS CONTROL
- AUTOMATIC NUMBER PLATE RECOGNITION
- TURNSTILE & SPEED GATES
- ROAD BLOCKERS & BOLLARDS
- INTRUSION SYSTEM & X-RAY SCANNER
- ELECTRIC VEHICLE (EV) CHARGING SYSTEM
- LED LIGHTING SYSTEM

ENGINEERED SOLUTIONS WITHIN REACH

Parking Management System

Just do your business as usual and leave the parking issues to us...

At Traffic Tech, we aim to maximize your business' potential and increase the satisfaction level of customers that visit your site by enhancing the efficiency of your parking facility. We utilize our experience in traffic management and systems integration to provide professional parking management & security solutions.

Since we believe that each car park is unique and require customized management systems in order to achieve optimal operation, we take a systems approach in designing entries and exits, traffic flow, guidance systems, payment systems, and access management of every parking project that we handle.

“ one-stop-shop parking solutions provider ”

Traffic Tech is a one-stop-shop parking solutions provider offering end-to-end services from design, supply, systems integration, installation, and commissioning, to operation and maintenance. We have executed large scale parking management system

We are your professional partner in providing parking solutions that include:

- Car Park Equipment & Management Systems
- Parking Guidance Systems with Find My Car Solution
- Valet Parking System - Smart Valet™
- On-Street Parking Meters
- Integration of access control and security features such as Automatic Number Plate Recognition (ANPR), Radio Frequency Identification (RFID), CCTV Surveillance, and others.
- Gate Barriers
- Electro-mechanical / Hydraulic / Manual Bollards and Road Blockers
- LED Lighting System
- Electric Vehicle (EV) Chargers
- Controlled & Monitored through PGS SCADA software
- Parking & Traffic Signage
- Maintenance and Operation





Let Traffic Tech optimize your parking facility for you to maximize revenues in your parking operation and in total increase your business' growth by:

- Creating an "inviting environment" for customers, as soon as they reach your establishment, to increase customer loyalty.
- Enabling your business to charge a premium for the use of your efficient & user friendly parking facility.

Take advantage of Traffic Tech's Strength and Experience:

- Expertise in design and systems integration backed by a Quarter of a Century's Experience in Traffic Engineering Technologies.
- Employs more than 70 highly qualified cross disciplined engineers.
- Implemented numerous large scale parking management projects with around 52,000 parking slots in total.

Our scope includes:

- Complete parking management system design with comprehensive parking facility assessment and recommendation.
- Systems integration including ANPR, Access Control, CCTV, Fire Alarm, Find My Car and other appropriate facilities.
- Installation and commissioning.
- Operation and maintenance.

" maximize revenues in your parking operation "

After-Sales Services

Since we value long term partnership with our clients, after-sales services is an equally important aspect of our business. We offer services including:

- Parking facility operation including manpower supply.
- Periodic Preventive Maintenance & Corrective Maintenance Contracts.
- 24/7 on-call technical support.

Traffic Tech employs a dedicated team of engineers and technicians solely attending day-to-day operation, service and maintenance activities.



Parking Guidance System

Create a lasting impression...

Remember that the sooner your customers park, the earlier they can do business with you. Optimize your parking facility to create a lasting impression. Gain your customers' loyalty. Once they experience convenience in your car park, you can expect them to be back and do more business with you.

External Guidance System

Inform your customers on parking slot availability and location as they approach

- At the approach of your parking entrance, display vacant slots in every level/location with variable message signs (VMS).
- Additional traffic signals can be added to further aid parking guidance at your facility's perimeter.

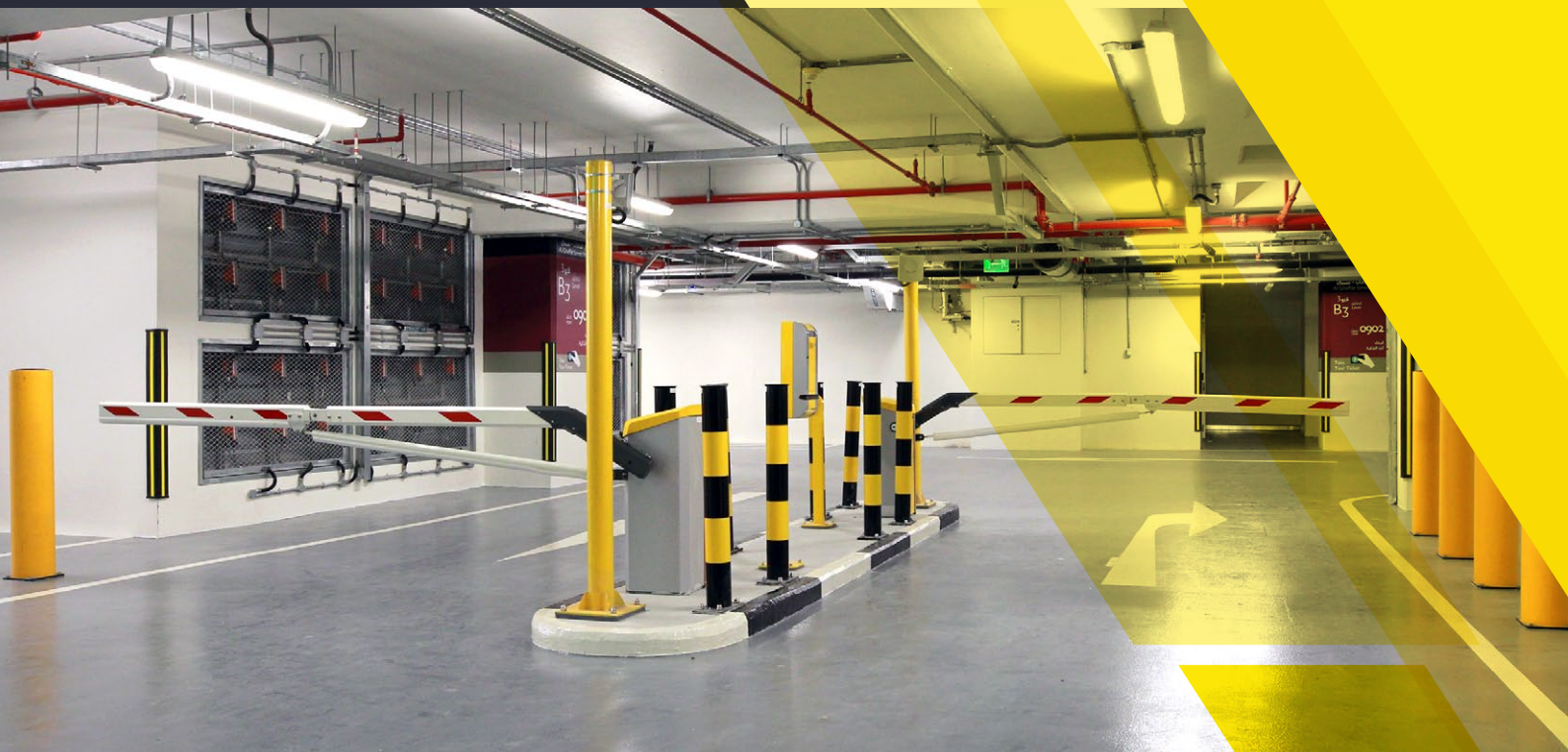


Sensors, Indicators & Internal Signs

Direct your customers to vacant slots at each parking level/location

- Guide your customers with variable directional signs that display green arrows at directions with vacant slots and red cross signs at directions that are full.
- Let your customers see vacant slots from a distance with single space detectors mounted at the top of each slot. These detectors will emit a green light when the slot is vacant and red when occupied. The Special Needs, Pregnants or any other special case can be easily demonstrated by Blue, Pink or any other Indicator color.





Entries & Exits

Choose from a variety of automated technologies to register entry time and other vehicle information

- Barcode Technology – tickets
- Magnetic Stripe Technology – cards/tickets
- Transponder Technology
- Automatic Number Plate Recognition (ANPR) System
- Radio Frequency Identification (RFID)

Automate entry of vehicles with...

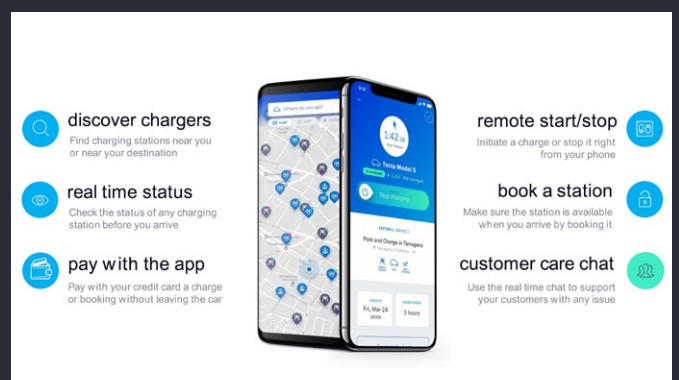
- Automatic Barriers
- Vehicle Detection Loops
- Entry Log Devices
 - Ticket/card dispenser, ANPR camera, proximity devices (RFID)



Facilitate parking fee payments by...

- Pay on Foot Machine – By cash or cashless payment (credit/debit cards)
- Manual Cashiering
- Subscription Payment

Mobile APP



On-Street Parking System (Parking Meter)

Efficiently make use of available on-street parking spaces and maximize revenues with Traffic Tech's complete range of On-Street Parking Control Systems.

The METRIC Elite LS

Full flexibility for today's parking requirements:

- All modern payment methods
- Connected – ANPR, sensors
- Reduced intervention – up to 8,000 tickets
- Bar coding for supporting schemes
- Video screen for additional benefits
- 10.1" touch screen for enhanced customer journeys
- Ultra low power for solar powered applications



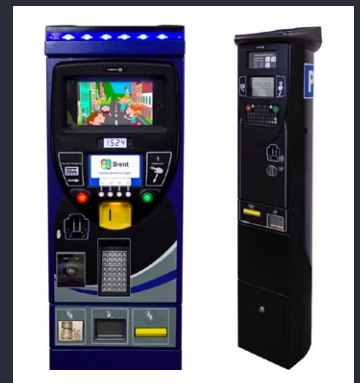
The METRIC Sprite

Full flexibility for today's parking requirements:

- Slimline and modern design
- All modern payment methods available
- Connected – ANPR, sensors, EV
- Bar coding for supporting schemes
- Video screen for additional benefits
- Ultra low power for solar powered applications
- New fully cashless option

Multiple modes

- Pay & Display
- Pay by Plate
- Pay by Space
- Pay on Exit



Engage with your Community

■ Video Screens

- Adding value to Parking
- Community messages
- Advertising space



Voucher Scanning



- Adding value to Parking
- Offer free or discounted parking to your customers
- Encourage repeat business
- Use paper or e-vouchers



The METRIC Retail Family

Key Features

- Choice of terminal – Elite or ViTouch
- ANPR ready
- Barrierless system – keeps car park free flowing
- Choice of enforcement levels

Can be used for:

- Barrier-free parking/ANPR
- Managing free parking – retail/supermarkets
- Park & Ride



METRIC Mi Office System your Business Assistant

- Fully hosted or local installation – your choice
- Secure customer portal – anytime, anywhere
- Easy to use interface for auditing, reporting and tariff configuration
- Full support available
- Extensive suite of reports



Electric Vehicle Charging System

Traffic Tech Gulf comprises a set of products and solutions designed to facilitate Electric Vehicle (EV) charging. We aim to provide user-friendly solutions for electric vehicle charging in different scenarios, such as urban streets, intercity roads and public or private car parks, for multiple or single users.

Our product portfolio offers a wide product range that covers slow charging (AC) and fast charging (DC). Our partner is a European Leader in EVSE with a presence in 60 countries and more than 5,000 DC chargers and 100,000 charging points installed worldwide.

CirPark Platform

The CirPark Platform manages all CirPark solutions from one site.
It is a powerful solution that integrates iPark, LEDPark and EVPark systems.
A platform made of CirPark Scada software and third party integration.
It is a multi-platform and mobile-oriented software infrastructure.
Unique platform for the complete Efficient Parking.

iPark

Intelligent Parking Guidance System including Single Space Detection and/or Area & Level Counting, and Car Finding Solutions for Indoor and Outdoor Parkings.

-  Guidance System
-  Counting System
-  Find Your Car

LEDPark

Efficient Led Lighting System with Low Consumption including Lighting Regulation and Energy Monitoring System (EMS) for Parkings.

-  Led Park
-  Energy Efficiency

EVPark

Electric Vehicle Charging System for Indoor and Outdoor Parkings.

-  Electric vehicle chargers
-  OCPP
-  DLM
-  PMS Parking Management System integration
-  CPO Charge Point Operator integration

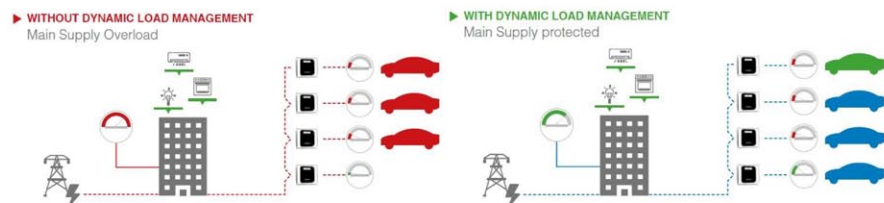
EV Chargers

A product portfolio to cover all needs



DLM (Dynamic Load Management)

The easiest, fastest and most economical way to perform simultaneous EV charging.



Cosmos software

The ultimate tool for monitoring and reporting.





Post eVolve Smart

Designed to be installed in both public access environments (urban spaces, shopping centres, car parks, airports, petrol stations...) and private areas (companies, community car park sites...) where its intelligent capabilities offer a range of possibilities which improve the user and/or operator experience

- Capable of balancing the available power.
- The best choice to minimize the hardware cost.
- A single modem in the Controller unit can be used for remote connection and back-office system integration.
- The Controller can operate up to 8 Receivers.
- Standalone configuration offers a load balancing feature and user control through RFID.
- 8" daylight readable touchscreen.
- MID certified metres.



Raption Series

Designed to be installed in both public access spaces (urban and inter-urban spaces, service areas...) and private ones (EV fleets, taxi ranks...) where EVs need to minimise their charge times as much as possible.

- Greater charging power.
- Scalability and flexibility.
- Compact and 100% customisable design.
- Reduced OPEX.
- Configurable as a Controller.
- 8-inch colour touch screen.
- Built-in courtesy light.
- Accessibility.
- Integrated contactless payment system.
- Features full front space in case you want to include your own branding on it.



Central Management System

Full control over your parking facility

Ease your worries on overseeing your parking facility's operation. With user control, full access and visibility on the status of all the system components, and with report generation just a click away, you will spend less time on your parking concerns and can focus more on other aspects of your business.

Traffic Tech delivers parking management solutions with state-of-the-art software features that includes:



Device Control

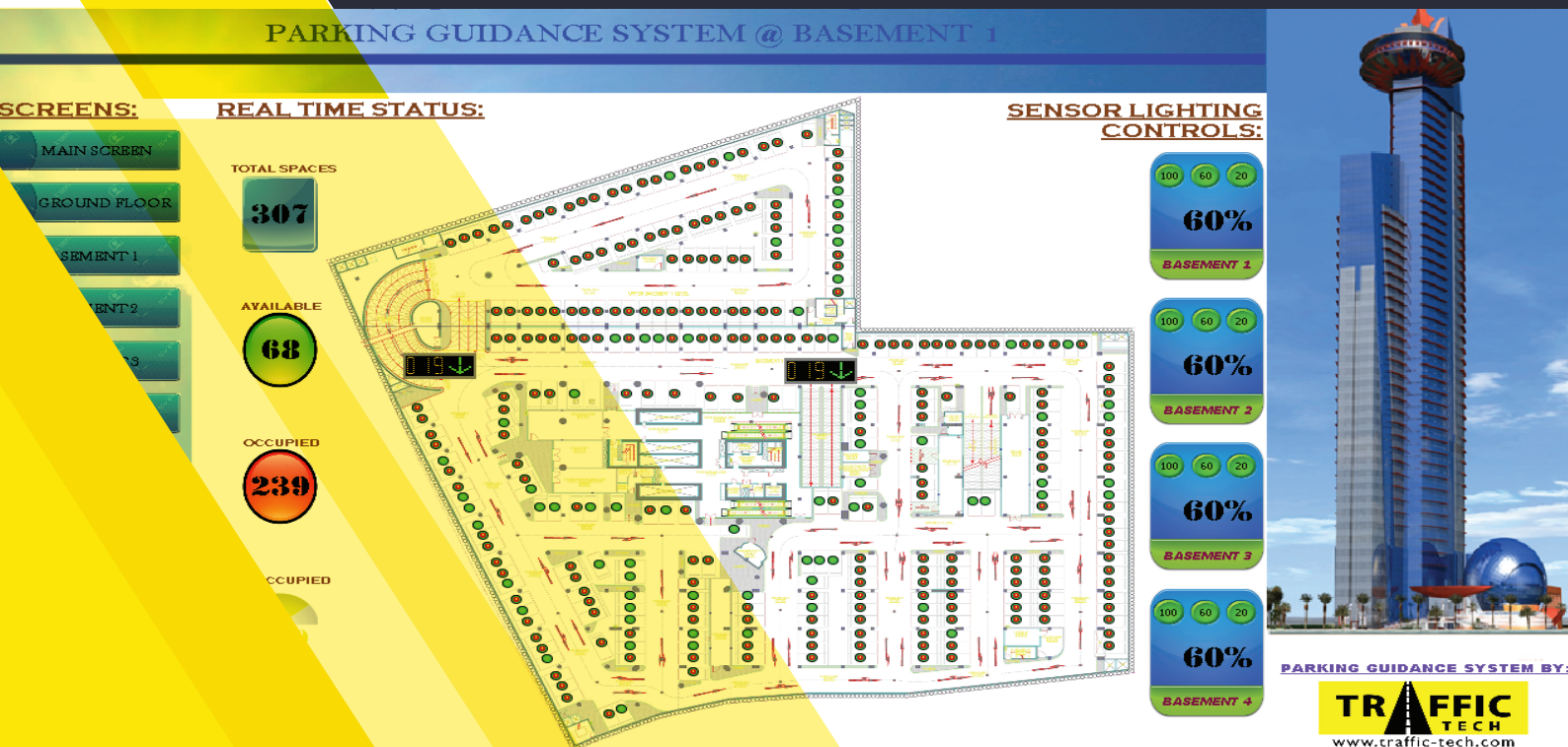
- Control and status monitoring of all the devices connected to the system.

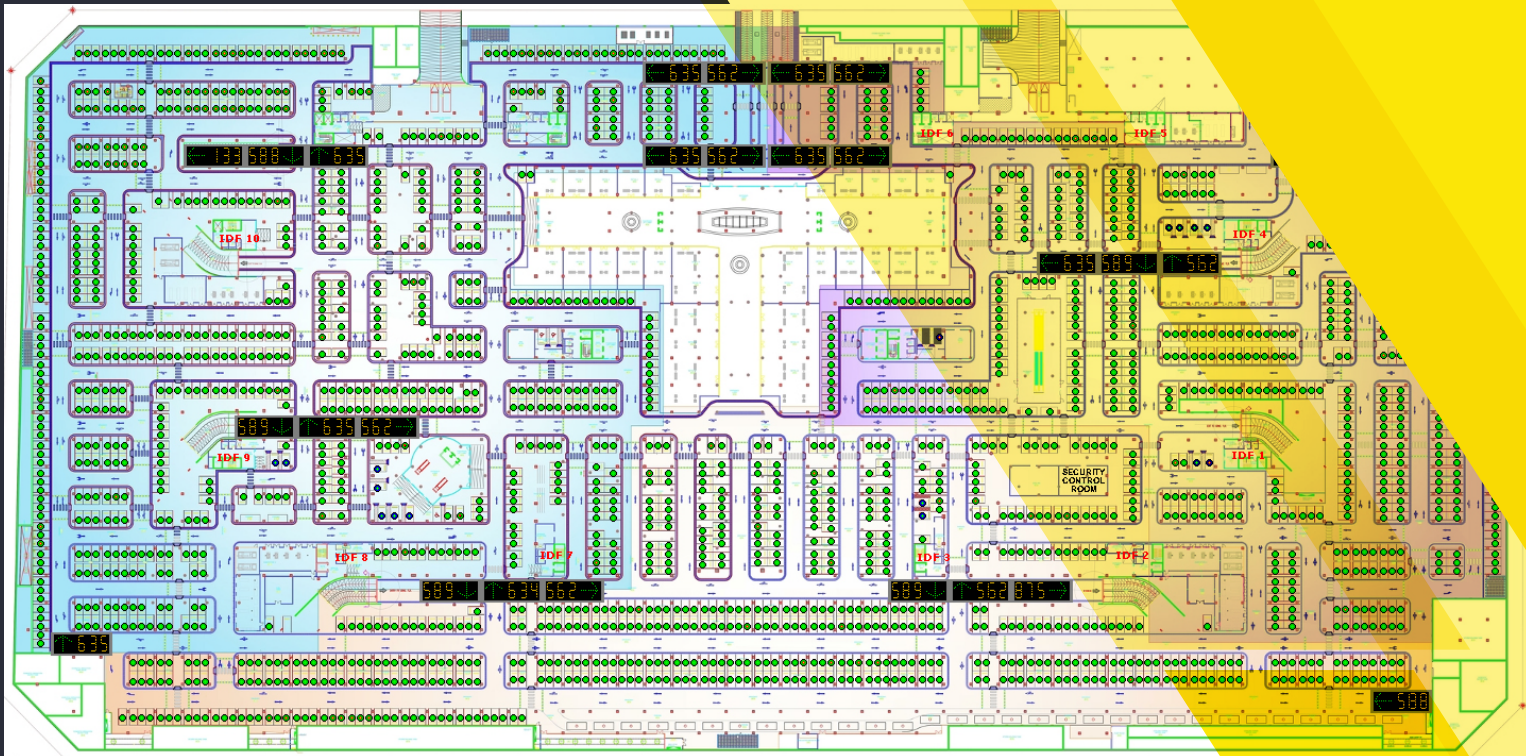
User Management & Audit

- Every operator of the system is assigned a user name, a password, and an authorization profile.
- Authorization profile controls the use of systems' functions. Each operator can only access functions that are assigned to them.
- The system continuously logs user and application activity that provides traceability for future use.

Alert Processing / Grey List Tracker

- Predefined fault scenarios can be configured to trigger an alarm on the system. This enables the user to address component faults as soon as it occurs.





Difference Counting Module

- Provides information on occupancy of each level and the complete car park, number of reserved and unreserved spaces, booked spaces, and total spaces.
- Automatic entry blocking when the car park is full.
- Use of threshold values to control signs and car park levels
- Automatic sign control (free/full) depending on the number of cars in the car park.
- Manual blocking/unblocking of reserved spaces, unreserved spaces, or all spaces.
- Manual sign control.

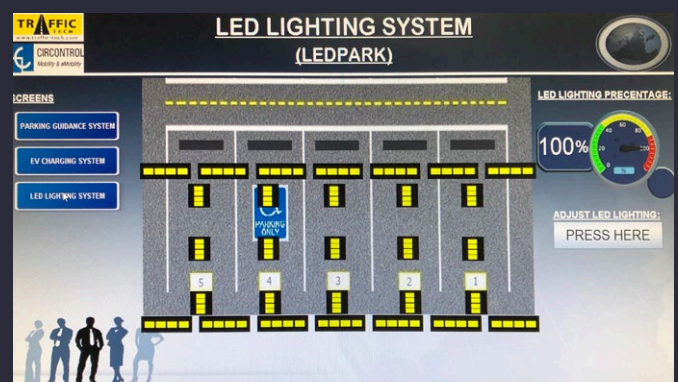
Customer Administration/Invoicing

- Optional application that provides powerful tools to manage billing & customer administration of season parkers.
- Lump-sum method – invoicing based on total transactions registered and charged.
- This option also provides access management (time based or based on vehicle volume of the car park) of season parkers on the facility.

“ Know the revenues of your parking operation at any given time ”

Settlement

- Settlement reports acquired by the system based on the compression of sales data records of various field devices (automatic pay stations, manual sales devices, handheld units, exits) can be generated at any given time.
- Individual settlement report per field device can also be generated by the system.



Features & Benefits of Parking Management & Guidance System

Entries & Exits System Back-up

- All entries & exits have individual computers that stores data / transactions in case of network failure and transmits all the stored data to the server once network connection is reestablished.

Multi-Purpose Network

- The systems' network can be used by multiple services needed for parking operations.
 - IP Cameras, digital CCTV systems
 - Automatic Number Plate Recognition
 - Intercom-over-IP
 - Facility-control systems
 - Remote support
 - Web interface

Security/Safety

- Highly secured transportation of data on payments (i.e. credit card numbers) and other client personal information.
- IPSec-Encryption (using a crypto coprocessor) that meets international regulations.
 - Certified VPN-Firewall.

Economy

- Low total cost of ownership
- Reliable but medium-cost network components.
- Easy configuration and almost maintenance free, even in long term operation.

Overall Benefits...

- Increased customer satisfaction/loyalty.
- Reduced vehicle build-up at entries, exits, and aisles.
- Shorter vacant slot search times resulting to less vehicle emission.
- With lower vehicle emission, ventilation cost will also be reduced.
- Operator have visibility on utilization of each parking level/location.
- Cost optimization. Progressive opening of levels as necessary . Closed levels can save illumination, ventilation, etc.

At Airports...

- Traffic congestion at entrances will be reduced.
- Customers reach boarding gates on time.

At Shopping Malls...

- Customers can spend more time shopping rather than looking for parking space.
- Increased customer satisfaction. Convenient parking experience will be valued by customers.





Smart Valet Parking System

Efficient Valet Parking Operation

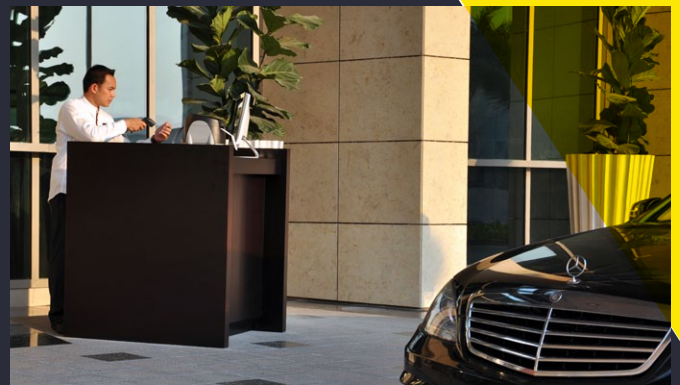
Customers are delighted when your establishment offers valet parking. They are relieved of the time and effort spent on searching for vacant parking space as well as the hassle of walking from their parked car to the venue of their appointment.

Since you took the parking burden from your customers, Traffic Tech is here to help you effectively and efficiently operate your valet parking, offering you the following benefits:

- Computerized approach; from parking ticket issuance and slot allocation, to retrieval of vehicle and billing.
- Quick turn-around time in parking and retrieval of vehicles.
- Maximized man-hour of valet drivers.
- Computer generated reports.

Traffic Tech SmartValet™

SmartValet™ is an automated, efficient, scalable and reliable Valet Parking System with the ability to seamlessly integrate with Security and Parking systems components and devices such as Access Control, RFID Readers, ANPR (Automatic Number Plate Recognition), Variable Message Signs, Barriers and Road blockers.



SmartValet™ Main Features

- Print a bar-coded ticket in two copies for each valet parking vehicle containing the following information:
 - Bar-coded ticket number (with readable ticket number below the barcode).
 - Date and Time of the ticket printing.
 - Parking space assignment for a particular vehicle.
- Assign a valid parking space to each valet parking vehicle.
- Keep a record of number of valet parking spaces available and occupied.
- Mark a parking space as occupied once assigned to a valet parking vehicle.
- Mark a parking space as available once a valet parking vehicle leaves the parking area.
- Link the bar-coded ticket with a valet attendant ID to enable the identification of the valet driver who parked a particular vehicle and the time taken.

Automatic Number Plate Recognition (ANPR) System

Secure your facility

Attracting more customers to your facility creates opportunities for your business. However, it also increases your asset's exposure to security risks.

At Traffic Tech, we go the extra mile by providing access control systems in our parking management solutions.

Traffic Tech SmartPark™

SmartPark™ is an Automatic Number Plate Recognition (ANPR) System. Developed by Traffic Tech, it is designed to address needs in vehicle access control for paid and/or secured parking facilities.



ANPR is a technology that provides automated access on number plate contents, extracting numbers and alphabets within a fraction of a second, and converts it to a computer recognizable format.

Traffic Tech was the first to develop an Automatic Number Plate Recognition System with the capability to read Arabic number plates and characters at high accuracy.

We have installed SmartPARK™ in various establishments around Qatar including The Doha International Airport, Aspire Zone, Cultural Village (Katara), Souq Waqif and Courtyard Marriott & Renaissance Hotel.

SmartPark™ Features and Benefits

- Tracks entry of unwanted vehicles in secure parking facilities such as airports and government offices.
- At the exit of a paid parking facility, parking tickets can be cross checked versus the vehicle captured in the ANPR system. This prevents a parker from exiting the facility with a different parking ticket.
- In case of lost parking ticket, operator can easily track entry time of vehicle to identify exact amount to be paid.
- For season parker membership using transponder cards, ANPR helps ensure that the card is only used by the registered vehicle in the membership system.





Pedestrian Access Control Systems

Choose from a variety of access control systems. From networked to stand alone, RFID to Biometric Fingerprint systems that provide time and attendance management, we sure have the right solution for you.

Our key advantage is our systems integration capability that allow us to retrofit our solutions in your site, and/or integrate it into a central management system to achieve overall access control of your facility.

Speed Gates

Ideal for high profile applications, Speed Gates are designed to provide optimum access control function, in an elegant and discreet manner.

- Incorporates all the advantages of an optical turnstile with a physical barrier.
- Retractable clear panels are simultaneously unobtrusive to an authorized user and an insurmountable obstacle to an intruder.
- Equipped with safety features including emergency opening of panels in case of power failure (or other emergency) to allow unimpeded and rapid exit.



Turnstiles

Traffic Tech offers a complete range of turnstiles that can be used for interior or exterior applications and can be integrated with any access control system.



Radio Frequency Identification

For access control system that requires long range identification, RFID system is the solution. This system provides secure automatic identification for people, drivers, and vehicles.

- Driver Based Identification - Long range driver identification ensures that a vehicle can never get access to a secured area unless occupied by an authorized driver.
- Vehicle Based Identification - Automatic long range identification of a vehicle from distances up to 10 meters (33 feet) even when a vehicle is traveling at high speed.
- Handsfree Access - Handsfree solution for secure long range door access up to 4 meters (12 ft).

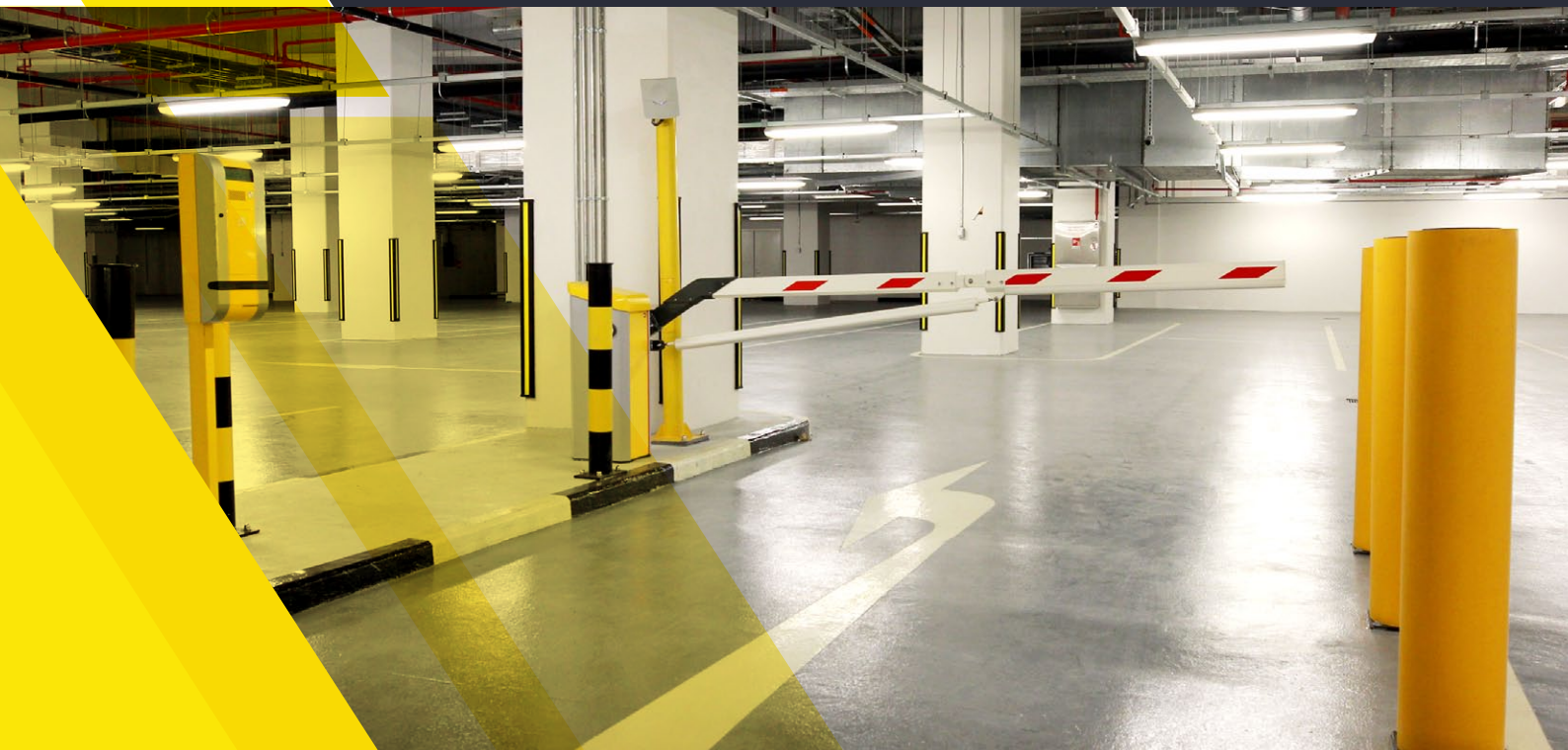


Biometric Fingerprint System

Using each person's unique fingerprint, this system can be used for access control of high security area such as financial institutions, military installations, laboratories and apartments on centralized management over TCP/IP without using card or key.

Some applications include:

- Central access control system
- Time and attendance system for offices and factories.
- Access control by security level (i.e. laboratories, banks, etc.)
- Integration with automatic doors, gates, turnstiles, and barriers.
- For hotels, can be used for access management of facilities (gym, spa, etc.).





High Security/Anti Terrorist Access Control Systems

Traffic Tech has a wide range of access control systems for high security / anti terrorist applications. We provide solutions that protect high risk areas from unwanted vehicle penetration and surveillance systems that limit possible entry of bomb carrying vehicles.

Rising Road Blockers

Prevent entry of unwanted vehicles with crash tested rising road blockers that provide high level of security at all times.

We offer various types of crash rated road blockers that can withstand heavy vehicle impact even at high speed.



Bollards

Protect your facility with rising or stationary bollards. Depending on the application and requirement, we offer bollards that can be customized to suit aesthetic requirements.

We offer bollards that are crash tested and can withstand heavy vehicle impact even at high speed.

- Airports
- Embassies
- Banks
- Government Institutions
- Military Camps
- And more...

Under Vehicle Surveillance System

Search vehicle undercarriage safely and effectively to spot hidden items such as...

- explosive devices,
- firearms,
- drugs and contraband,
- or even a hidden person

Under Vehicle Surveillance System (UVSS) captures underside vehicle image of moving vehicles up to a speed of 30Km/hr.

This system is ideal for...

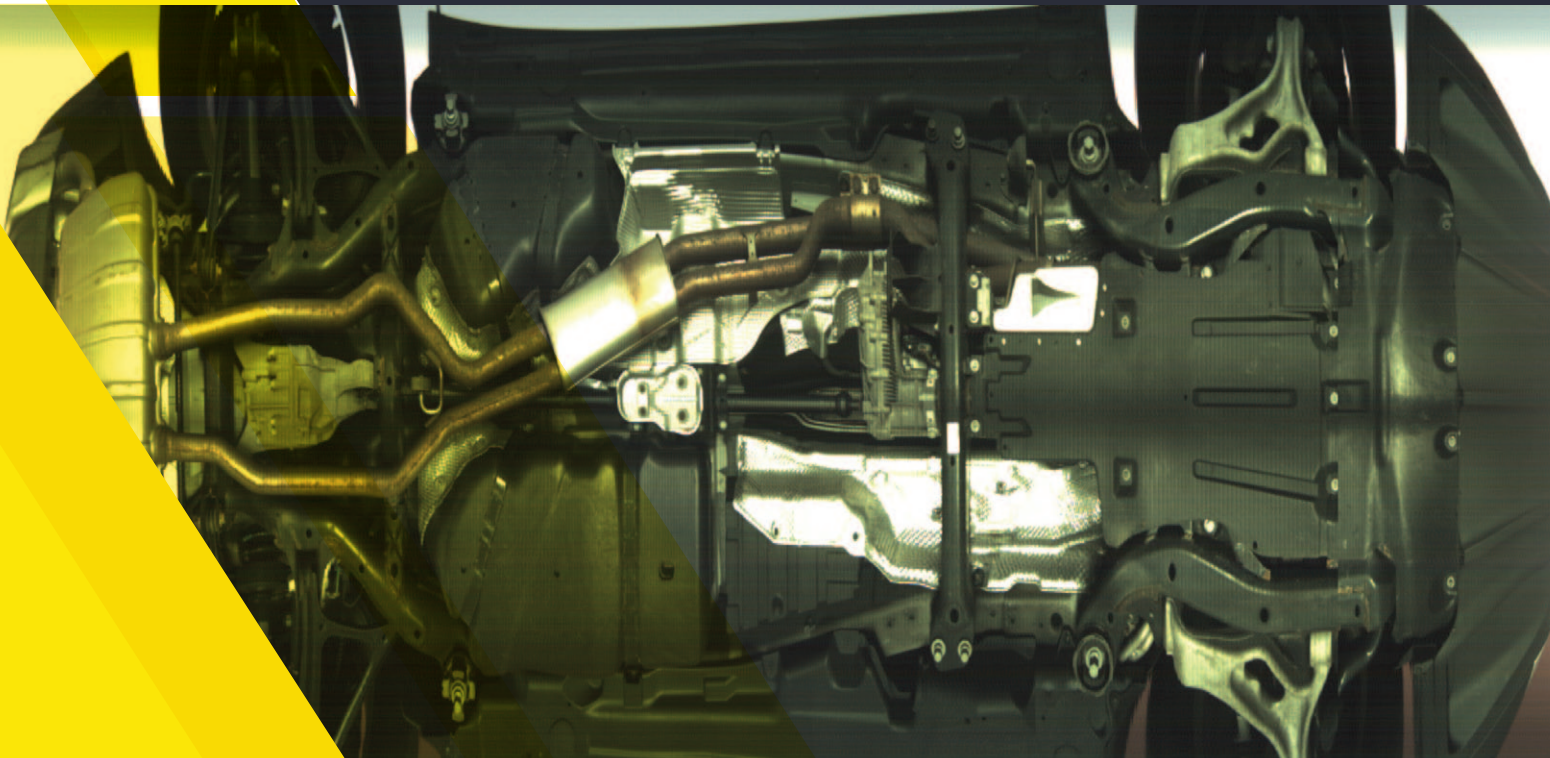
- Border Crossings
- Government Buildings
- Embassies
- Military Camps
- Airports / Seaports
- Penitentiaries / Prisons
- VIP residences
- Shopping Malls
- Exhibitions & Events
- And other high risk areas

Features:

- Vehicles can travel over the UVSS at a speed of 30Km/hr resulting in high vehicle throughput.
- High resolution color image for accurate inspection and object identification.
- All weather operation in day or night.
- Automatic image matching enables the system to automatically recognize and display differences to an already archived image along-side that of the current image.
- Can be integrated with other access control / surveillance system (i.e. Automatic Number Plate Recognition).
- Capable of utilizing two scene camera at a time. This feature provides an external image of the vehicle, along with the optional integration of Automatic Number Plate Recognition system.

UVSS is available in...

- Static Model
- Mobile Model





OUR PARTNERS

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Traffic Tech (Gulf) W.L.L.

E-mail: ttg@traffic-tech.com

Traffic Tech For Security Systems

E-mail: tts@traffic-tech.com

Milaha Commercial Bldg. - Zone I,
East Industrial Street,
P.O. Box 30704, Doha, Qatar
Tel: (+974) 4426 9000
Fax: (+974) 4466 6832

WWW.TRAFFIC-TECH.COM