CCTV & COMMUNICATION SYSTEMS
With state-of-the-art technologies in access control, surveillance, and a diverse range of communications systems that enables systems integration over IP networks, Traffic Tech deliver complete security solutions for businesses, government establishments, and traffic & transport systems.

Our subsidiary company, Traffic Tech for Security Systems, is an approved contractor of the Qatar Ministry of Interior (MOI).

Take advantage of Traffic Tech’s Strength and Experience:

- Expertise in design and systems integration backed by quarter of a century of experience.
- Employs more than 70 highly qualified cross disciplined engineers.
- Implemented large scale security system projects in various types of establishment and in traffic surveillance applications.
- Bosch certified partner. Our engineers are trained and certified in installation and systems integration of Bosch security system products.
- Equipped with in-house capability to supply, design, and install a wide range communications equipment that strengthens our systems integration scope.
We offer a wide range of CCTV & Communications Systems that includes:

- Closed Circuit Television (CCTV) Systems
  - Digital Video Over IP Network
  - Remote Video over ISDN & GPRS
  - Conventional Analog Video
  - Digital In-Car Video System for Police Applications
  - Smart Eye - Portable pan-till-zoom camera system

- Automatic Number Plate Recognition (ANPR) System
  - SmartANPR™ & SmartPARK™
- Automatic Container Code Recognition System (ACCR)
- Communications Systems
  - Fiber Optic System
  - Wireless System
CCTV Systems

Traffic Tech is MoI approved and provides leading edge surveillance technologies in traffic management, ITS, and security markets.

We offer a wide array of digital closed-circuit TV systems that are easy to operate and integrate with other security applications.

**Smart Eye**

The Smart Eye is a portable & automated pan-tilt -zoom camera system for displaying real time video or still images remotely.

Developed by Traffic Tech, this system uses solar powered trailers and wireless communications for maximum portability and mobility.

**Features:**
- Solar powered trailers for maximum portability and mobility.
- Integrates video over IP technology and state-of-the-art wireless communication LAN/WAN technologies.
- Integrated System: all components work as one system.
- Allows remote pan-tilt-zoom control of the camera.
- Can work as a stand alone system or can be integrated with other ITS systems.
- Fast & easy set-up. Can be installed on site by one person.

Smart Eye can be adapted to various applications such as:
- Work zone traffic management system
- Incident management
- Visual verification of on-site weather conditions
- Law enforcement & security applications
Traffic Tech is a certified partner of Bosch Security Systems in the Middle East. Our engineers are trained and certified by Bosch and this enables us to integrate state-of-the-art IP based surveillance systems in a wide range of applications that include:

- Traffic monitoring & surveillance
- Parking facility surveillance
- Surveillance system for secured areas such as:
  - Banks, commercial buildings, airports, TV stations, universities, and more...

Traffic Tech has implemented dozens of large scale CCTV systems in the region.

Traffic Tech also designs, supplies, and installs complete surveillance control room systems.
Automatic Number Plate Recognition (ANPR) System

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

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.

Our ANPR System is a 24/7 working solution that works with full options even when servers and networks are down.

Traffic Tech SmartANPR™ Solutions

Key Configurations:
- **Free Flow Mode** - Suitable for logging / monitoring of vehicles passing through law enforcement check points.
- **Parking Mode** - Provides additional security feature for Parking Management Systems.
- **Mobile Mode** - For police cars or other law enforcement authorities. Mobile ANPR for surveillance.

Features:
- High accuracy rate for Arabic (GCC) license plates.
- Captures license plate information of moving vehicles up to a speed up to 200km/hr.
- Database of black list vehicles (i.e. stolen) can be uploaded into the system to facilitate surveillance & monitoring function.
- Can work as a stand alone system or can be integrated with other systems.
- Remote operation monitoring from any place over a local area network.
- Reports can be generated for future security use / review.
In Free Flow or Mobile Mode, SmartANPR™ can be used for a variety of traffic monitoring, surveillance, and law enforcement applications that include:

- Freeway border control
  - Automates number plate recording of vehicles crossing country borders.
  - Speeds up overall immigration processing time that reduces vehicle queuing.
  - Monitoring of hot/stolen vehicles crossing borders.

- Highway security surveillance
- Point to point speed enforcement
- Mobile patrolling/surveillance of stolen vehicles.

SmartPARK™

In Parking Mode, SmartPARK™ can be integrated with a Parking Management System to provide vehicle security features for paid and/or secure parking.

- 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.
Communications Systems

Our in-house capability to design, supply and install communication systems in our projects is our unique advantage in providing complete solutions in Traffic & ITS, Parking, and Security Systems.

Fiber Optic Communications System
Traffic Tech deploys fiber optic technology with projects that require high speed and capacity data transmission.

We cater to clients needs in...
- Design & build of complete fiber optic system
- Splicing Services
- Testing & Reporting Services

Rugged IP Network
Traffic Tech design, supply, and install wired or wireless Rugged IP networks / Industrial Ethernet Switching for harsh environment applications. Our engineers are trained to carry out splicing & switching of IP networks under these rugged conditions.

In Salwa Road - Qatar, we have installed a 100 Km fiber optic network as backbone for a Freeway ITS project.
Wireless Communications System

Traffic Tech has locally designed and built Mobile ITS systems used for Work Zone Traffic Management.

Through wireless communications system, field devices, including solar powered portable CCTV surveillance and solar powered variable message signs, are linked to the system's control room.

Other applications of wireless communications system include:

- Security & surveillance system
- Voice & data backhaul
- Last mile access
Work Zone Safety Equipment

Variable Message Sign and Arrow Boards
Traffic Tech provide hire for Variable Message Signs (VMS) and Arrow Boards are trailer-mounted solar powered machines used for a range of traffic management or road projects.

We offer on Daily, Weekly, Monthly and Long Term Hire.

Truck Mounted Attenuator (For Hire)
Traffic Tech provide hire for Truck Mounted Attenuators (TMAs) which are designed to offer superior advanced warning to the motorist, and enhance worker and motorist safety.

We offer on Daily, Weekly, Monthly and Long Term Hire either Day or Night Shift.

Construction Site Monitoring

Hybrid CCTV Monitoring System
Traffic Tech “Smart Eye” construction site monitoring system is equipped with portable tower/trailer solution with wireless CCTV streaming. We offer wireless point to point solution, as well as 4G based solution for CCTV monitoring with edge and or cloud based recording with optimized solutions available for reduced bandwidth consumption.

Our hybrid solution, is equipped with a solar and diesel power generator for extended power backup.
Our Partners

[Images of various company logos]

Engineered solutions within reach