# ITS
www.itsqat.com
**Qatar**

شـركــة الانظمــة التقنيــة الـذكيــة
## Intelligent Technology Systems Co.



# COMPANY
# PROFILE

# MESSAGE FROM THE BOARD

The State of Qatar has one of the fastest growing economies worldwide and has grown exponentially over the last decade. The State of Qatar has embarked on fostering a sustainable and prosperous society that will meet the needs and secure a high standard of living for all of its people.

To bring this vision to fruition, an unprecedented amount of construction is currently taking place across the country. Undoubtedly, an outstanding transportation system is a major key to realizing this goal. Having this vast amount of new state-of-the art facilities would definitely require, among other things, a professional Intelligent Transportation System (ITS) Engineering Team to be a part of moving the State of Qatar forward.

Hence, **ITS QATAR** started out as a company of highly qualified professionals with the necessary expertise in transportation technology and its engineering fields to help turn the State of Qatar's goals into reality. ITS QATAR has adopted the System Integration approach to provide Turn-Key solutions to meet the needs in various areas such as ITS, Traffic Management, Security, Communications, etc. in the State of Qatar.

By stressing on specialization in System Integration, and a complete dedication to total quality, we are able to meet the needs of our clients on a custom-made basis.

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# ABOUT US

**ITS Qatar** was founded in 2014, the company's objectives was to provide for the growing demands in Qatar of Highly specialized solutions in the field of Intelligent Transportation Systems, Traffic Management, Security and Communications.

Our aim is to provide a high level of solutions and services to a growing market in the State of Qatar. The drive behind our business was mainly due to the requirements for smart control & management of large-scale integrated systems, for both transportation and industrial applications. From our inception, ITS Qatar has been committed to providing the up-to-date technology required to fulfill the needs of our customers/clients.

**ITS Qatar's** specialist services include - design, engineering, equipment selection and approval, installation, system integration, commissioning, operation and after sales services. Our client base includes both private and government entities.

To ensure our continued success in the marketplace, we are continuously seeking to enhance our expertise by engaging on a regular basis with our international and local suppliers and updating our knowledge in regard to emerging technologies

# VISION

To become one of the most recognized companies as a leading System Integrator, providing the required ITS and Traffic Management Turn-Key solutions from an engineering perspective in Qatar.

# MISSION

To be the leading provider of Turn-Key solutions & services for large scale projects in various areas such as ITS and Traffic Management as well Security and Communications for small to medium-sized commercial marketplaces.

# STRATEGY

Keeping up to date with the latest groundbreaking technologies that will meet project requirements in Qatar & GCC countries.

Holding strategic relationships with our international partners who are a major resource for the latest and future technologies.

Utilizing the tried and tested System Integration process as a backbone for our Company duties.

Maintaining, developing, and training our staff to ensure they can deliver the best product for our clients.

Providing Turn-Key solutions include design, installation, commissioning & after sales services.

# WHY US

The ITS QATAR team has the experience of valuable blend of business analyst and an engineering specialist that gives us the advantage to deliver top notch results for our clients.

# PRODUCTS & SERVICES

**ITS QATAR offers a Complete Range Solutions:**

- Traffic Signals & Urban Traffic Control (UTC) Systems

- Intelligent Transportation Systems (ITS)

- Security Systems

- Automatic Number Plate Recognition (ANPR)

- Parking Management Systems

- Communication Systems

- Traffic Safety Equipment & Work Zone Safety Products

**Our Services:**

- Design and Build of all Intelligent Transportation Systems (ITS) and Traffic Signal Systems.

  *These include, but are not limited to the following:*

  - Tunnels (Road)
  - Junctions (Road)
  - Parking Facilities
  - Motorway / Expressways
  - Urban Roads

**Supporting Services:**

- Operation and Maintenance of Intelligent Transportation Systems (ITS) and Traffic Signal Systems.

# TRAFFIC SIGNALS & URBAN TRAFFIC CONTROL (UTC) SYSTEMS



Specialised in signal installations, intersection design, signal analysis and design, and complete urban traffic control systems, ITS Qatar extensive traffic engineering experience delivers turn-key solutions in urban traffic control systems.
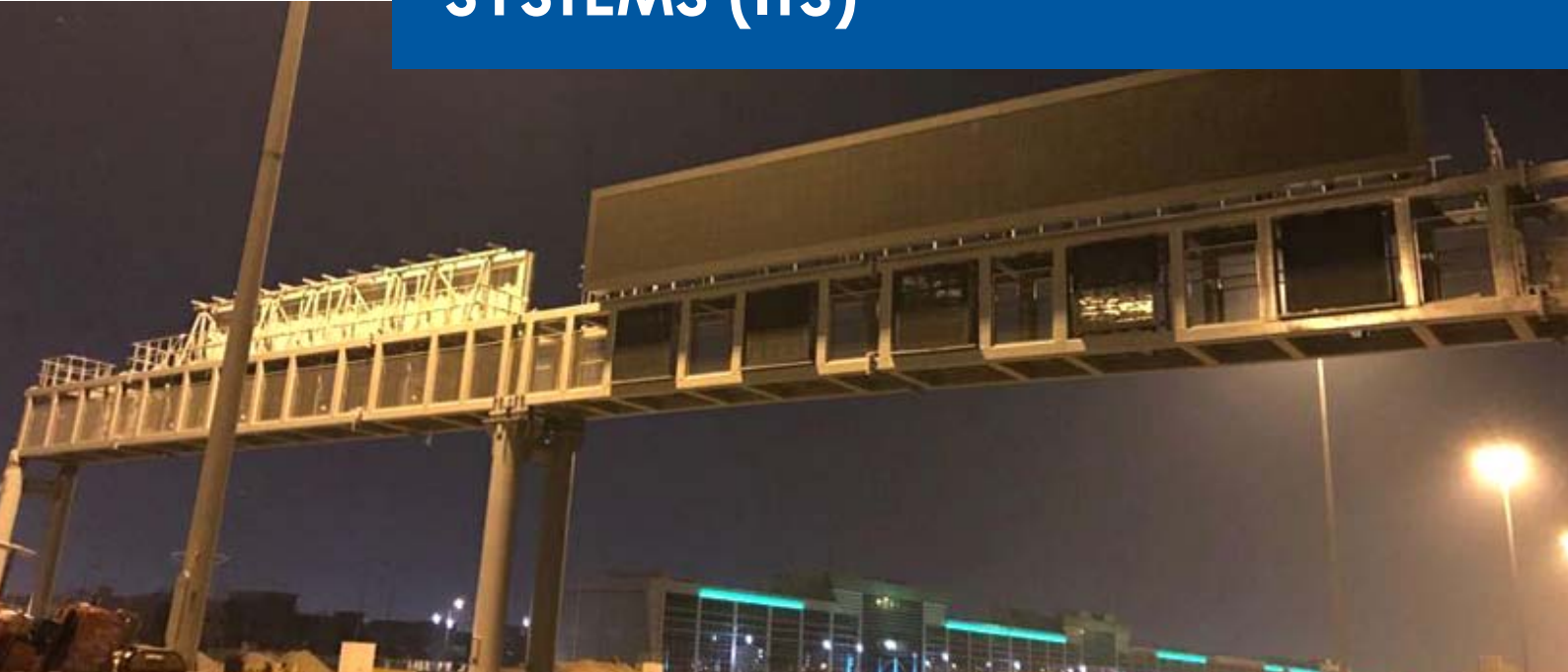
## Our Traffic Signal System Work Includes:

- Advanced Traffic Signal Controllers Scats Compatible
- Urban Traffic Management Systems Scats
- Traffic Signal Heads
- Vehicle & Pedestrain Detectors ( in & Above Ground)
- Traffic signal Poles , Cantilevers & Gantries
- Smart loop Sensor & Video Detection
- Actuated and/or Adaptive Operation Programs

## We Also Provide the following services:

- Intersection Design
- Signal Analysis & Design
- Signal Installation & Commissioning

# INTELLIGENT TRANSPORTATION SYSTEMS (ITS)



With the increase in the number of vehicles over the last two decades in Qatar, and in spite of notable improvements to the infrastructure, especially in high built up areas, the transportation solutions that were in place, have become insufficient to handle today's ever-increasing traffic growth.

Intelligent Transportation Systems (ITS), also known as Advanced Traffic Management Systems (ATMS)as well as Freeway Management Systems (FMS), are an umbrella name for the broad range of diverse technologies utilized for Information Processing, Control and Management of Transportation networks.

ITS Qatar's value is best recognized in the installation of ITS systems, their integration, the processing of data from such systems, making it readily available to all Transportation Stakeholders and thus assisting them in the decisions that support sustainable Transportation networks.

The main objectives/goals of ITS Qatar are to move forward swiftly to a fully integrated transportation system, which will improve efficiency, road user safety, and reduce the carbon footprint in Qatar.

Through our many years of experience in the Qatari Market, ITS Qatar can offer a wide range of services which include planning, design, installation, training, operation and after sales service.

**Our Comprehensive ITS system is open to integrate with any third party application (Sub-system) such as:**

- Adaptive Traffic Signal Systems

- Traffic Data Collection Stations

- CCTV & Automatic Number Plate Recognition (ANPR)

- Automatic Incident Detection (AID) Cameras

- Variable / Dynamic Message Signs

- Lane Control / Variable Speed Signs

- Area Wide Parking Guidance Systems

- Public Transport Management Systems

- Truck Weigh Stations / Weigh-In-Motion (WIM)

- Over-Height Vehicle Detection System (OVDS)

- Weather Stations

- Emergency Telephones





## OUR ITS SYSTEM PROVIDES:

**HIGH RELIABILITY**

**SCALABILITY**

**REDUCE COSTS**

**EASIER OPERATION**

# COMMUNICATION SYSTEMS

## Fiber Optic System

- Design
- Splicing & Termination
- Testing, Commissioning & Reporting

## Wireless Solutions

- Supply, Design & Insallation Of Wirless Systems
- Point To Point Or Point to Multipoint systems
- Point to Ethernet Bridge

# PARKING MANAGEMENT SYSTEMS



Parking management is an essential component of any hospitality entity. ITS Qatar provides a range of parking solutions, each individually tailored to meet our client's requirements. We provide state of the art integrated Parking Management Systems (iPMS) with all components and services required.

**These include, but are not limited to the following;**

- Parking equiptment & management system for paid parking or Access Control purposes

- Parking Guidance Solutions

- Automatic Barriers

- Ticketing systems

- Booths System

- VIP Parking

- Valet Parking

# TRAFFIC SAFETY EQUIPMENT & WORK ZONE SAFETY PRODUCTS



**ITS QATAR also supplies a wide range of traffic safety equipment and work zone safety products including:**

- Variable Message Signs (Solar or Mains Powered)

- Solar Arrow Panels

- Mobile Warning Trailers

- Temporary Traffic Signals

- Light Towers (Solar or Mains Powered)

- Radar Speed Signs

- Portable Power Generators

- Barriers, Guardrails & Crash Cushions

- Speed Humps

- Traffic Bollards & Reflective Delineators

- Road Marking Materials & Equipment

- Reflectometers for testing of road markings & signs

- Reflective Road Studs

- Reflective Safety Vests

- Solar Powered flashers for road & aviation safety

- Hazard Warning Tape

- Hazard Warning Lamps

- Rotating Beacons, Strobes & Light bars

- Traffic Mirrors

- School Flashers

- Traffic Cones

# SECURITY SYSTEMS

We provide a wide range of security systems that provide safety and effectiveness for different facilities in different applications.

ITS QATAR provides extensive expertise in the design, supply, installation, maintenance & operation of the following systems:

## CLOSED CIRCUIT TELEVISION (CCTV) SYSTEMS

State of the art IP based CCTV systems; the concept of digital Video over IP Technology is realized by transmitting high quality video signals MPEG4 or H264 format over IP Networks for proper management and recording process.

We provide complete CCTV systems consisting of IP fixed or PTZ camera, video management software, network recording utility, storage devices RAID, SAN, etc., servers, workstations, control keyboards, power supplies, poles with or without lowering system, enclosures, mounting hardware, and all other relevant equipment.

**Our CCTV systems can be used for different applications and purposes :**

- Street surveillance
- Traffic Monitoring
- Indoor/Outdoor Enterprise/Building / Towers Sureveilance

- Projects Work Progress Monitoring
- In-Car Video for police application
- Portable/Mobile Monitoring

# ACCESS CONTROL SYSTEMS

ITS QATAR through our sister company I3S provides complete Access Control Solutions consisting of analogue or IP based controller, readers, management software & database, electronic locks, servers, workstations & ID printers.

**Our Access Control System uses one or all of the following technologies :**

- Radio Frequency Identification (RFID) Systems ( Proximity or long range RFID)
- Biometric Finger Print Systems - for access to high restrcted areas or time and attendance purposes
- Automatic Number Plate Recognition (ANPR)
- Iris Recognition
- Facial Recognition

Our Access Control System can be integrated & supplied complete with regular wooden or steel doors, fancy speed gates, turnstiles, and revolving doors as well as with High-Security / Anti-Terrorist barricades such as hydraulic road blockers & bollards.

# AUTOMATIC NUMBER PLATE RECOGNITION (ANPR)



ANPR Also called License Plate Recognition (LPR) is a mass surveillance method that uses Optical Character Recognition (OCR) on images to read vehicle registration plates.

ANPR utilizes special cameras with sensors for triggering purposes to capture high quality images any time of the day for plate read and recognition.

## ANPR MODES

**Free Flow Mode:**

Captures information of moving vehicles at high speed that can be used for various application such as:

- Monitoring of vehicle log on secure areas
- Highway securitysurveillance
- Journey Time Measurement Systems (JTMS ) or point to point speed enforcement
- Monitoring of black list vehicles
- Mobile application - i.e. can installed on poilce cars for use in surveillance of stolen / blacklist vehicles

**Stop & Go (Parking) Mode:**

Vehicle access control solution specially designed for paid parking lot and secured parking. This system can be integrated with any Parking Management System.

**Mobile Mode:**

Moving/stationary ANPR system installed in Police cars or law-enforcement authorities to capture license plates of moving vehicles.

# OUR PARTNERS

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**Qatar**

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