

COMPANY PROFILE



© **THE POWER TO MOVE & CONTROL** ©

ZAMTAS

QTC

FLIR

PPK

JARI

ADIS
AUTOMATIC DOORS
OPENING DOORS AROUND THE WORLD



KEY PERSONNEL

Mr. Muhammad Azhar Siddique

Managing Director

azhar.pge@gmail.com

0321-5370482,

0301- 2299524

Mr. AWAIS SOHAIL

General Manager

awais.pge@gmail.com

03215370486

PERMANENT STAFF

ENGINEERING SECTION:

Engineering Staff = 100+ Persons

MARKETING SECTION:

Marketing Staff : = 25

ACCOUNTS/ADMIN SECTION:

Accounts /Admin Staff = 15

Company Details

COMPANY NAME

Pak German Engineers

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PGE Pakistan started its activity in Islamabad, Pakistan, in 1990. With over 30 years of experience, nowadays the company faces the market with a complete up-to-date range of products, according to norms and directives in force regarding safety and traffic regulation, and built following strict quality standards.

Lahore (Head Office)

Plot- 505-E, near Bhalla chowk,
Bhalla Rd, Block E Johar Town, Lahore
Tel: +92-42-35162556
+92-311-6668679
Fax: +92-42-35218357

ISLAMABAD (Branch)

2155, St. F-1/A-1, Block-A, National Police
Foundation, Sector O-9, Islamabad.
TEL+92-51-5708384,
+92-311-6668679
Fax: +92-51-5708386

ESTABLISHED

1990

BANK

Askari, UBL, Mezan



NTN NUMBER

1186640-3

CERTIFICATIONS

ISO: 9001: 2015

PEC (C2 Category)

Islamabad Chamber of Commerce & Industry



info@pgepakistan.com
pdm@pgepakistan.com

ENQUIRES



+92 321 5370486
+92 311 1555693

COMPANY PROFILE

At PAK GERMAN ENGINEERS (PGE), we're dedicated to making a difference in the world of traffic and transport engineering. We pride ourselves on designing and implementing innovative solutions that not only work but exceed expectations. With over 30 years of experience, we're a leading provider of traffic control, home and industrial automation solutions, and much more.

At PGE, we're committed to providing the highest quality products and services to our clients. Our team is equipped with the latest technology, enabling us to produce detailed and accurate engineering-grade CAD drawings and designs. We strive to exceed your expectations and deliver superior quality products and services every time. Choose PAK GERMAN ENGINEERS (PGE) for safe, secure, and reliable traffic and transport engineering solutions.

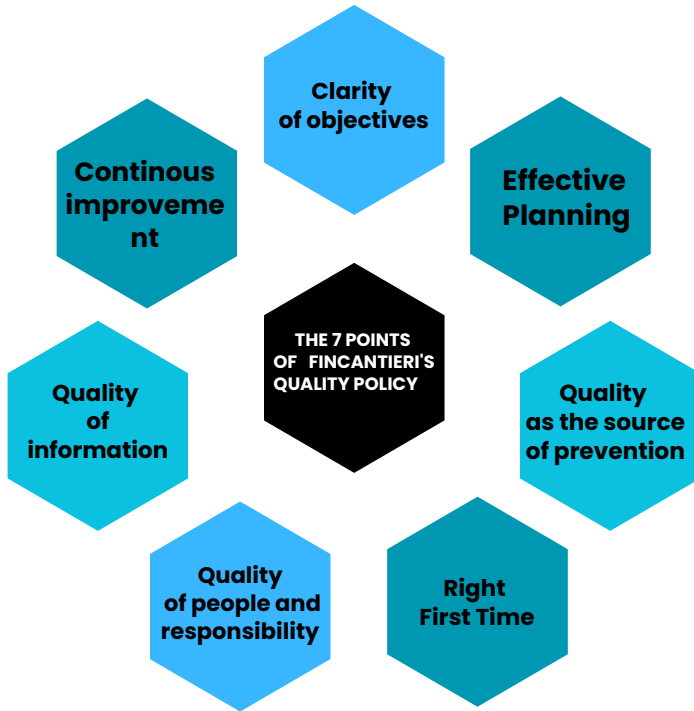
We understand the importance of using advanced technologies to improve traffic flow, enhance safety, and reduce travel time. Our team of dedicated professionals combines experience and flexibility to deliver innovative solutions that meet the unique needs of our clients. Whether you're looking for traffic management solutions, solar- powered lighting, or intelligent traffic controllers, we have you covered.

Our commitment to excellence is evident in everything we do, from complying with Australian Standards, Codes of Practice, and legislation to ensuring our products and services meet your specific requirements. We offer a comprehensive range of products and services, including LED Traffic Lights, Variable Message Signs, Video Vehicle Detection Systems, Toll Plaza Solutions, and Solar Power Systems.



Our premium electrical and engineering services allow us to provide exceptional advice, and with technological advancements we are now looking at ecologically friendlier options. With PGE's recent solar accreditation, we are not only working with partners to provide solar solutions to our traffic signal, street lighting and ITS capabilities, but also to provide environmentally friendly alternatives to home and business power needs.





QUALITY POLICY

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WHY SHOULD CONSIDER PGE

Skilled and experienced staff, years of quality service and experience behind our name and a focus on professionalism, knowledge, quality, safety and technical competency, are just some of the reasons why you should consider PGE. PGE is a continually evolving Worldwide based traffic management, electrical and automation contracting and traffic engineering organization that places a high emphasis on development and progress. If experience counts and you think that you are important enough to deserve the best, then there is no other choice. Call us today to discuss your individual personal needs so that we can ensure that '...you're never second best...'



PLAN DO CHECK ACT

MISSION

Our mission is to provide a road consulting and contracting service which is responsive and undertaken through excellence and with integrity, specializing in traffic signal, street lighting, ITS and solar installation and upgrading; traffic management design, audit and installation; and traffic engineering studies and analysis.

We will be an ultimate solution provider with a reputation for expertise, quality, and cost effective in the world of automation and to advocate sustainable environmental protection by maximizing our consolidated effort through unmatched teamwork. To be able to achieve our vision and mission, our strategic thrust through will be:

- Focus on profitability and return on investments over growth.
- Maintain a lean and flexible organization.
- Employ quality assurance in pursuit of service excellence.
- Practice sound financial management.
- Employ effective project management processes.
- Develop strong project management teams and support systems.

VISION

We are a Company primarily engaged in providing total automation solutions. We are committed to:

- Providing quality and comprehensive, innovative solutions in Intelligent Automation and Control Systems coupled with technology expertise and applied to create total system Solutions in Commercial, Industrial and Home to our customers
- Delivering innovations to help our customers in improving their business efficiency, reducing their operating costs, optimizing their energy usage, and ultimately, increasing their profitability.
- Serving the welfare of the community at large through our strategies and actions in line with our commitment to sustainable development and energy savings built on economic progress, social development and environmental improvement.

CIVIL WORKS

WE HAVE DONE MULTIPLE PROJECTS ON TIME AND HAVE MULTIPLE CLIENTS WHO TRUSTED US.



OUR SERVICES

With PGE you can always be assured you are receiving the highest quality services, as our success is largely a credit to our employees who are rigorously trained in safety procedures and are given the tools and technologies needed to create and maintain a safe work area for both our clients and the general public.

These services include providing both public and private sectors with traffic management planning, traffic control, traffic and transport engineering assessments, audits and studies, traffic signal, street lighting and Intelligent Transport System (ITS) installation, modification, upgrading and reinstatement, solar photovoltaic system installation; and related services such as loop detector reinstatement, pit & pipe services, and data & optical fiber cabling, automatic sliding and Swing Door/Gate Installation and many more.

● **Pak German Engineers is working in six different Divisions as follows:**

Traffic Management (Division).
Automation (Division).
Solar & LED Lighting (Division).
CCTV & Security (Division).
Road & Safety (Division).
PGE Consultancies (Division).

We provide a range of services, each of which are comprehensively resourced with skilled and experienced engineering, traffic management and electrical professionals who deliver technical prowess to our clients.

● **For the last 28 years, we are specialized in the following fields:**

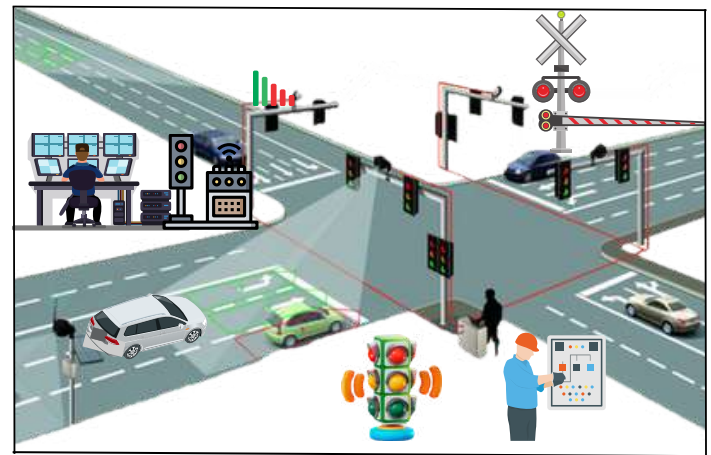




TRAFFIC MANAGEMENT DIVISION

At PGE we have wide range of Customized and high-quality LED signal Lights and controllers with modern intelligent transport solutions. Pak German Engineers are partners with many world's leading Traffic Management Solution providers. Since 1990, we are providing services all over the country for new installations, designing, modifications and maintenance of the traffic management solutions.

Here are some of our key products & Services in Traffic Management sector



PGE Pakistan and its partners worldwide perform designing, installation and commissioning of transport infrastructure and systems all over Pakistan. PGE Pakistan offer the complete suite of traffic engineering and transport planning for private and Public-sector work.

Services are included as:

1. Transport project development.
2. Transportation planning & traffic engineering.
3. Transport information system & modelling.
4. BRT/ Metro Fleet Management and Scheduling.

◎ **A. PGE ROAD TRAFFIC PRODUCTS & SERVICES:**

- Traffic signals Installation / maintenance.
- Intersection design, Planning, and Analysis.
- Vehicle and Pedestrian Signals.
- BRT/ Metro Fleet Management and Scheduling.
- Traffic Engineering Services.
- Hardware and Software Development.
- Systems Integration and Test Needs Analysis. Data Collection Management Service.
- Digital Countdown Meter display.
- Traffic Detection through Radar Speed Camera, Inductive Loops & CCTV surveillance system.
- Traffic Cabinet UPS / Battery Backup Systems.
- Solar Power Backup & Hybrid solution for 24 hours operation.
- Full line of Maintenance Services (through Team PGE).
- Electrical Consultancy / Safety services.
- PLC Programming, LADDER Programming.
- Control Panels (PLC Based, relay logics, power cards).



◎ **B. PGE TRAFFIC MANAGEMENT SOLUTIONS:**

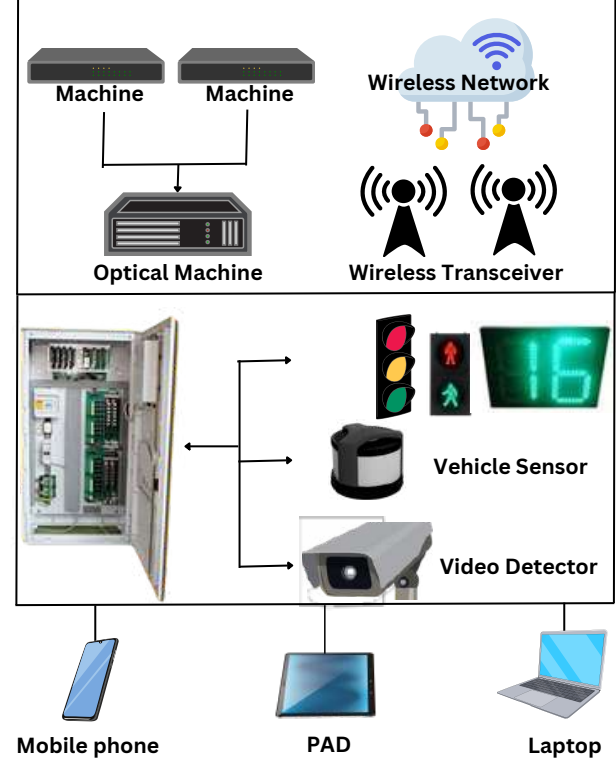
1. SCATS Urban Traffic Management System.
2. Portable Solar Powered Traffic Solutions.
3. ZAMTAS Centralized Traffic Management Solution.
4. Green wave system.
5. Vehicle Actuated Traffic Signals (Standalone).
6. Traffic Counting devices.
7. Toll Plaza Products & Parking Management Systems.
8. Over height Vehicle Detection and warning System.



9. Variable Message Signs (VMS).
10. Speed Monitor Display.
11. Public Transport Fleet Management, Tracking and Scheduling.
12. Vehicle Counting System.
13. Intelligent Toll Management Systems.
14. Ramp Metering Automation System.
15. Red Light Monitoring System.
16. Parking Guidance & Management System.
17. Speed Corridor Enforcement System.
18. Automatic Incident Detection system.
19. Automated Tunnel Management System.
20. Automated Vehicle Classification Systems.
21. BRT / Metro Vehicle Pre-emption System.
22. GPS based Emergency Vehicle Pre-emption System.
23. Automated Number Plate Recognition Systems (ANPR).



Communication Subsystem



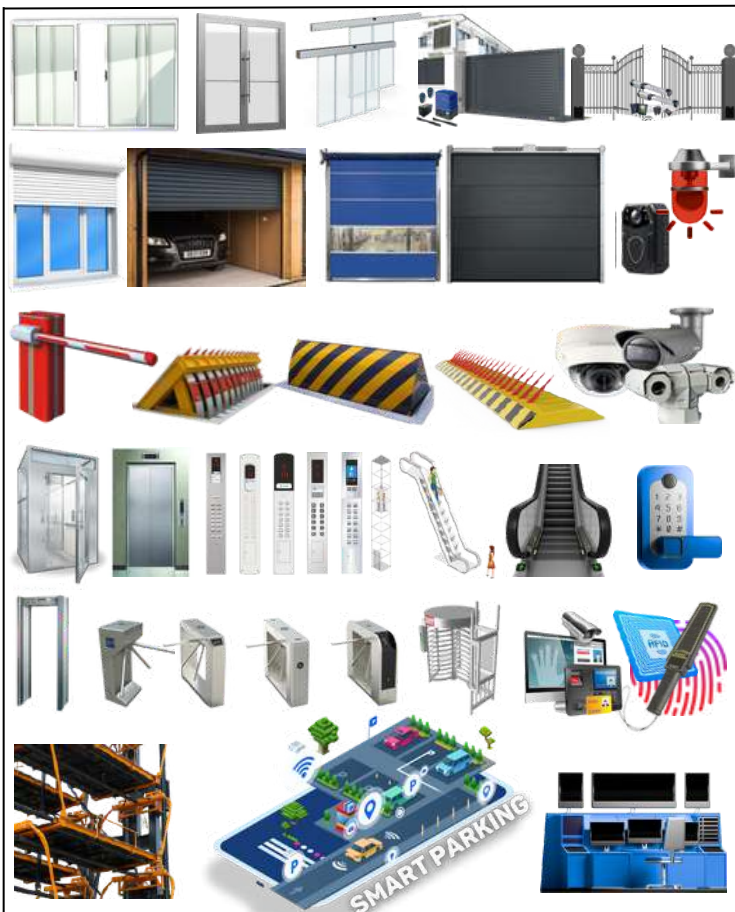
AUTOMATION DIVISION



Upgrade your home, business, or industrial processes with PGE's reliable automation solutions. Our team of experts provides systems integration, programming, and field support for a wide range of applications. We've completed numerous projects across Pakistan and stand behind every machine we deliver. Trust PGE as your full-line stocking distributor for high-quality components that meet our standards for excellence. Choose PGE for automation solutions you can depend on.

● Our wide range of products includes:

- Platform sliding doors (PSD).
- Automatic Swing/Sliding Door & Gate systems.
- Automatic Hospital doors.
- Automatic Steel Fire rated doors.
- Automatic Turnstile, Flap-barriers.
- Automatic Rollup Shutters for Window, Door, Garage, Factories, etc.
- Polycarbonate rolling shutter.
- Automatic Road Barriers.
- Intelligent high-speed barrier for highways.
- Automatic Road Blockers.
- Tire killers / single direction access control.
- Heavy duty automatic pneumatic bollards. Speed bump road blocking system.
- Automatic Pedestrian Barriers.
- Automation for Street Lighting with PLC, Proximity Sensor & Real Clock Timer.
- Elevators & Escalators for Buildings & Residential Villa.
- Infrared Sensor for Lighting & Fan for Energy Saving.
- RFID E-Tag Card Reader for Toll Plaza & Parking areas.
- Automated Rotary & Vertical Parking Systems.
- Automated Electronic Fare collection & Management Systems.



SOLAR & LED LIGHTING DIVISION



PGE provides Solar & LED Lighting solutions for residential, commercial & industrial needs, along with complete after-sales services across the country. Go green, save money, and join thousands of satisfied customers with PGE. Contact us today to learn more.

© PGE Solar Power Products & Solutions

1. Solar Home power solutions from 300 watts to 5000 watts.
2. Solar Home power DC solutions from 50 watts to 1000 watts.
3. Solar power solutions for Traffic Signals.
4. Solar Wireless Traffic Signals.
5. Solar Traffic Blinker.
6. Solar Cat eyes/Stud.
7. Solar Road Signage.
8. Solar Radar Speed Display for Vehicles.
9. Solar Power Solutions for Street Lighting.
10. Solar DC Street Lights from 30watt to 90 watts.
11. Hybrid LED Street Lights 60 to 120 watts (Solar Plus wind).
12. Solar Garden and pathway lighting.
13. Solar Powered CCTV Cameras for remote monitoring.
14. Solar LED Displays & Moving Signs.
15. Solar LED Lighting Illumination for Underpass.
16. Solar LED Lighting for Billboards.

17. Solar PV Modules.
18. Maintenance Free Batteries.
19. PGE LED Lighting Products & Solutions
20. LED Tube Lighting.
21. LED Decorative RGB Tube Lighting.
22. LED Globe Bulb.
23. LED Down Lighting.
24. LED Spot Lighting.
25. LED Wall Washers.
26. LED Flood Lighting.
27. LED Street Lighting.
28. LED Garden Lighting.
29. LED High Bay Lighting.
30. LED Tunnel Lighting.
31. LED Signs Moving Text.
32. LED Road Decoration Motive Lights.
33. Neon Decorative Lightings.
34. LED / Neon Building Decorations.



SMART CITY PROJECTS DIVISION



Trust Security Products, the leading provider of Video Surveillance Systems and CCTV security cameras in Pakistan since 1990, for reliable and tailored security solutions. With nationwide service and support, you're in safe hands. Our team of experts at Security Products provides tailored security solutions that meet your unique needs. We're dedicated to delivering the highest level of client satisfaction, from offering the best advice to selecting the most appropriate security solution. Trust us to keep you safe and secure.

● Our services include:

- Provision & Installation of UPS & AVR.
- CCTV digital Color camera for Surveillance System.
- Central control room set-up for Surveillance.
- Video Management & Analysis System (VMAS).
- Video Walls supply and installation.
- Motion detection sensor for Security.
- IR beam sensors for Boundary Security.
- Door access controllers.
- Proximity Card Reader.
- Video Door Phone.
- Hand held Metal detectors.
- Walk through metal detectors.
- Under vehicle inspection system.
- LT Distribution Boards/Switch Gears for all sort.



ROAD & SAFETY

DIVISION



At PGE we are dedicated to improving traffic safety and mobility so motorists can arrive at their destinations faster and safer. Our high-performance materials combine with innovative systems and services to help you bring the best roadway systems into reality.

We have been supplying Road & Safety products for over 25 years and continue to bring innovation to the transportation safety industry. We provide safety products that covers traffic equipment, crowd control and safety supply needs. We have vast range of traffic cones, bollards, channelizers, delineators, safety apparel, and much, much more.



- Regulatory signs.
- Warning signs.
- Guide signs.
- Hazard markers.
- Temporary roadwork signs.
- Transport signs.
- Work zone products.
- Safety signs.
- Recreational signs.
- Specialty products.
- Commercial graphics.
- Respirators Masks.
- Hearing Conservation
- Headphones. Eye Protection
- Google.
- Face and Head Protection Cap.
- Barricade Tapes.
- Hand Gloves.

TRAFFIC SIGNAL PRODUCTS & TRADING



PGE has the credit of introducing the first-time innovative traffic signal products for the following cities i.e. LED modules, countdown meters, loop detectors, microwave radar sensors, wired and wireless green wave system at various locations in the following cities.

● **CAPITAL DEVELOPMENT AUTHORITY (CDA)**

- Installation of traffic signals and traffic blinkers at various locations in Islamabad (45 Intersections).
- Up-gradation of traffic signals and traffic blinkers at various locations in Islamabad (65 Intersections).
- installation of countdown meters and conversion the traffic signals into LED at various location in Islamabad (22 Intersections).
- Installation of loop detectors and microwave radar detectors at various locations in Islamabad (12 Intersections).
- Installation of UTC (Urban traffic controllers) at various location in Islamabad (i.e. major in 7th eve and 9th eve).
- Installation of UPS (Un-interruption power supply) units at various locations in Islamabad (19 intersections).
- Providing of spares of traffic signals and blinkers at CDA store for various times. Introduce the wired and wireless green wave system at more than 20 nearby intersections in Islamabad.
- Installation of different GSM based message display boards at Islamabad with the cooperation of Islamabad traffic police. (11 prime locations).
- Installation of new design poles and high flux lights for the first time in Islamabad.

● **RAWALPINDI DEVELOPMENT AUTHORITY (RDA)**

- Installation of traffic signals at various locations in Rawalpindi city.
- Up-gradation of traffic signals and traffic blinkers at various locations in
- Rawalpindi. Installation of road signs, cat eyes and road safety projects at different locations in Rawalpindi.

● **RAWALPINDI CANTONMENT BOARD (RCB)**

- Installation of traffic signals at various locations in Rawalpindi cantonment board area.
- Up-gradation / conversion of existing bulb based traffic lights into LED of traffic signals and traffic blinkers at various locations in Rawalpindi.
- Installation of road signs, cat eyes and road safety projects at different locations in Rawalpindi

● **RAWALPINDI CANTONMENT BOARD (RCB)**

- Installation of traffic signals at various locations in Rawalpindi cantonment board area.
- Up-gradation / conversion of existing bulb based traffic lights into LED of traffic signals and traffic blinkers at various locations in Rawalpindi.
- Installation of road signs, cat eyes and road safety projects at different locations in Rawalpindi.



● TEHSIL MUNICIPAL ADMINISTRATION (TMA), RWP

- Installation of LED based traffic signals at Committee chowk at Murree road.
- Up-gradation of traffic signals at various locations in Saidpur Road and Murree road.
- Installation of road signs, cat eyes and road safety projects at different locations in Rawalpindi.

● PESHAWAR DEVELOPMENT AUTHORITY (PDA)

- Installation of LED based traffic signals at various locations in Peshawar and Hayatabad city.
- Up-gradation of traffic signals and traffic Blinkers at various locations in Peshawar city.
- Installation of GSM based at various locations of Peshawar.

● NOSHERA CANTONMENT BOARD (NCB)

- Installation of 04 arm traffic signals at various locations in Nowshera cantonment board area.
- Installation of road signs, cat eyes and road safety projects at different locations in Nowshera

● ABBOTABAD CANTONMENT BOARD (ACB)

- Installation of new traffic signals at various locations in Abbottabad cantonment board area.
- Installation of road signs, cat eyes and road safety projects at different locations in Abbottabad.
- Installation of Un-interrupted power supply (UPS) at installed traffic signals

● TEHSIL MUNICIPAL ADMINISTRATION (TMA), MANSEHRA

- Installation of new LED based traffic signals at various locations at KKH road.
- Installation of traffic blinker at KKH road.

● TEHSIL MUNICIPAL ADMINISTRATION (TMA), HARRIPUR

- Installation of new LED based traffic signals at various locations at Mansehra road.
- Installation of traffic blinker at Mansehra road.
- Installation of road signs, cat eyes and road safety projects at different locations in Haripur.

● SIALKOT CANTONMENT BOARD (SCB)

- Installation of new traffic signals at various locations in Sialkot cantonment board area.
- Installation of LED based digital clock with temperature display option in Sialkot Cantt.
- Installation of Un-interrupted power supply (UPS) at installed traffic signals.

● LAHORE (TEPA, C&W, SKB, DHA)

- Installation of traffic signals at various locations in Lahore city.
- Up-gradation of traffic signals and traffic blinkers at various locations in Lahore city.
- Installation of UTC (Urban traffic controllers) in DHA and other locations of Lahore.
- Installation of GSM based message display boards at DHA.
- Installation of loop detectors for automatic traffic flow at various locations.



◎ FAISALABAD (TRAFFIC POLICE, C&W)

- Installation of LED based traffic signals at various locations in Faisalabad city. Up-gradation of traffic signals at various locations in Faisalabad.
- Installation of road signs, cat eyes and road safety projects at different locations in Faisalabad.

◎ KARACHI DEFENCE

- Installation of new traffic signals at various locations in Karachi city (55 Intersections). Up-gradation of traffic signals and traffic blinkers at various locations in Karachi city

◎ RONTIER WORKS ORGANIZATION (JALALABAD, AFGHANISTAN)

- Installation of new LED based traffic signals and traffic blinkers at various locations in Jalalabad city (22 Intersections).

◎ OTHER CLIENTS ALL OUR THE PAKISTAN:

- Traffic signals and traffic blinkers are installed at following small cities as per traffic requirements time by time at different locations.
- Cantonment board, Multan.
- Tehsil Municipal Administration, Bahawalpur.
- Tehsil Municipal Administration, Attock.
- Tehsil Municipal Administration, Sukkhur.
- Tehsil Municipal Administration, Haiderabad.
- Tehsil Municipal Administration, Sadiqabad.
- Pakistan Ordinance Factories, Wah.
- Tehsil Municipal Administration, Jhelum.
- Cantonment board Kharian.
- Tehsil Municipal Administration, D.I.Khan.
- Tehsil Municipal Administration, Kohat.
- Tehsil Municipal Administration, Bannu.
- Tehsil Municipal Administration, Gujrat.
- Cantonment board Nowshera

◎ TRAFFIC SIGNALS ROUTING MAINTENANCE CONTRACT CLIENTS:

- Capital Development authority (150 Intersections).
- Tehsil Municipal administration Rawalpindi (06 Intersections).
- Chaklala cantonment board.
- Rawalpindi cantonment board.
- Walton cantonment board, Lahore.
- Cantonment board, Lahore.
- Faisalabad development authority.
- Cantonment board Abbottabad.
- Tehsil Municipal administration Mansehra.
- Tehsil Municipal administration Haripur.
- Nowshera cantonment board, Lahore.
- Peshawar development authority.

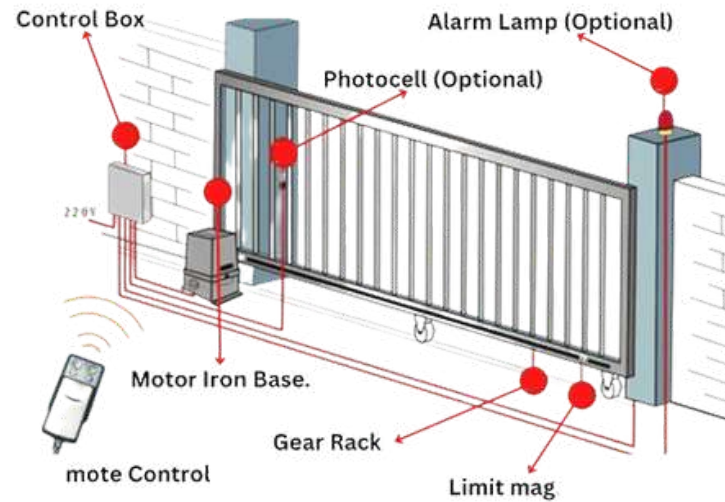
- ◎ **Note:** Above list shows few of the Clients, there are many other clients in the client list whom we have supplied the above products in Bulk which can be seen in our Client list.

AUTOMATIC DOORS AND GATES

DIVISION

We are the leading company in Pakistan for the supply and installation of:

- **Automatic Door operators for commercial sliding doors.**
- **Automatic Gate operators for commercial & domestic purposes.**
- **Automatic Barriers for traffic and parking solutions.**
- **Automatic Roller Shutters.**
- **Access Control Systems.**



Till date we have been successful in winning the faith of all clients in our technology and services. Our philosophy is to provide a quality product at a competitive price backed by the highest standard of service and total customer satisfaction.



Pressure/Weight Sensors System



Infrared Sensors System



Motion Detector System



CLIENT PORTFOLIO



LIGHTING SYSTEMS

WORLD LEADING ENERGY SAVING LAMP TECHNOLOGY

(Saving 50 ~ 90% Energy, 10 Years Life
and Safe for the Environment)

© LED LIGHTING SYSTEMS PRODUCTS

- Street Light Luminaries.
- Industrial & Commercial Luminaries
- Tunnel Luminaries
- Sun Flower Down Light
- Spot Light
- Flood Light
- Petrol Pump Light
- LED bulbs/ Tube Lighting

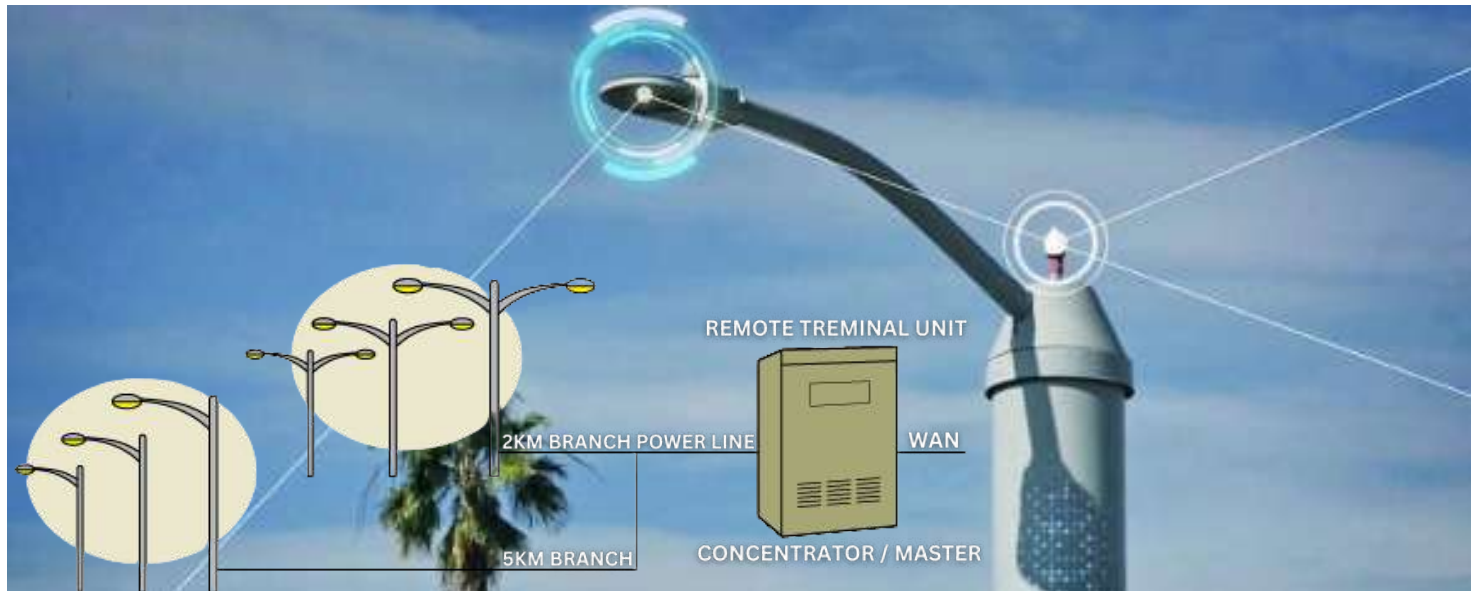
© MAJOR CLIENTS FOR LED bulbs: -

- Dealers across the Pakistan.



◎ AUTOMATION IN STREET LIGHTS:

PGE has in-house software development center for different projects and client's requirements. PGE has newly introduced the PLC based Automatic Street lights system to reduce the electricity usage and minimizes the power wastage to zero percent. These innovative ideas are under consideration and demonstrated to different Govt, Semi- Govt and private organization i.e. DHA, Bahria town etc.



◎ GSM BASED MESSAGE DISPLAY BOARDS:

PGE has installed number of GSM based message display boards in various cities i.e. Islamabad, Rawalpindi, Lahore (DHA), Faisalabad and supplied a lot of units to different PGE dealers. Messages can be added, replaced, deleted through your mobile phones by using the simple AT commands or codes. These units are also used for breaking news etc.

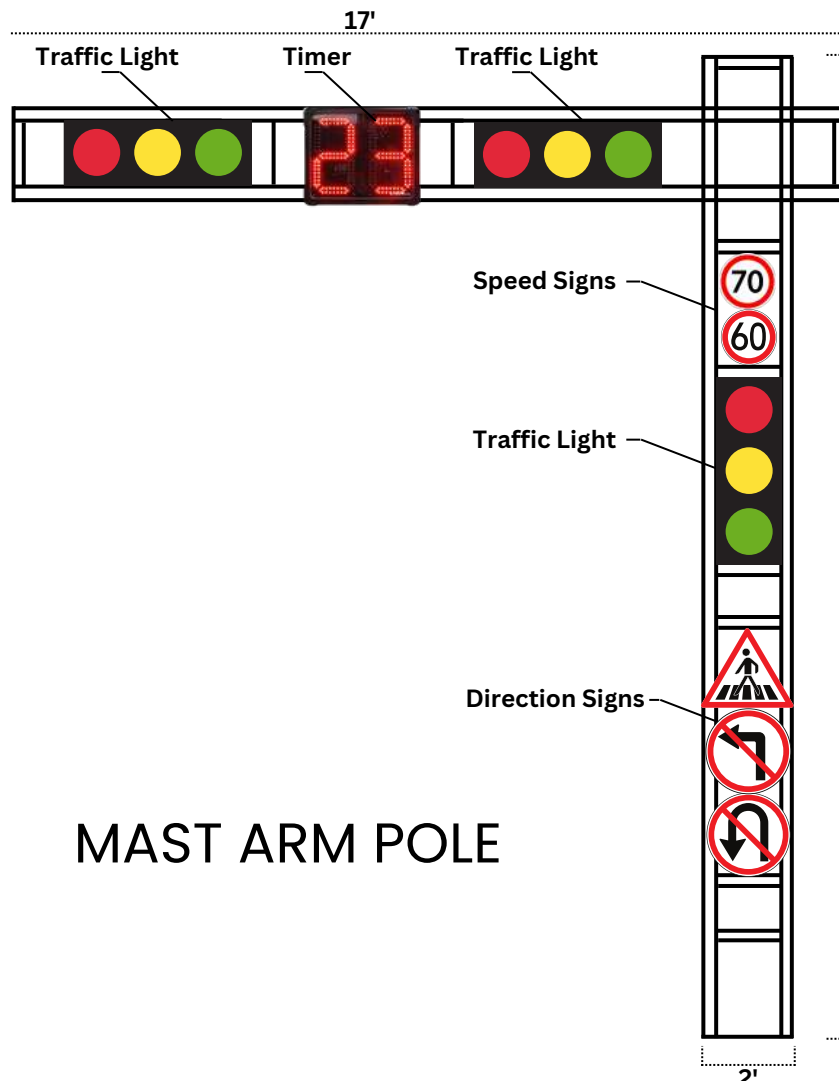


◎ PGE Designed Poles for Traffic Signals

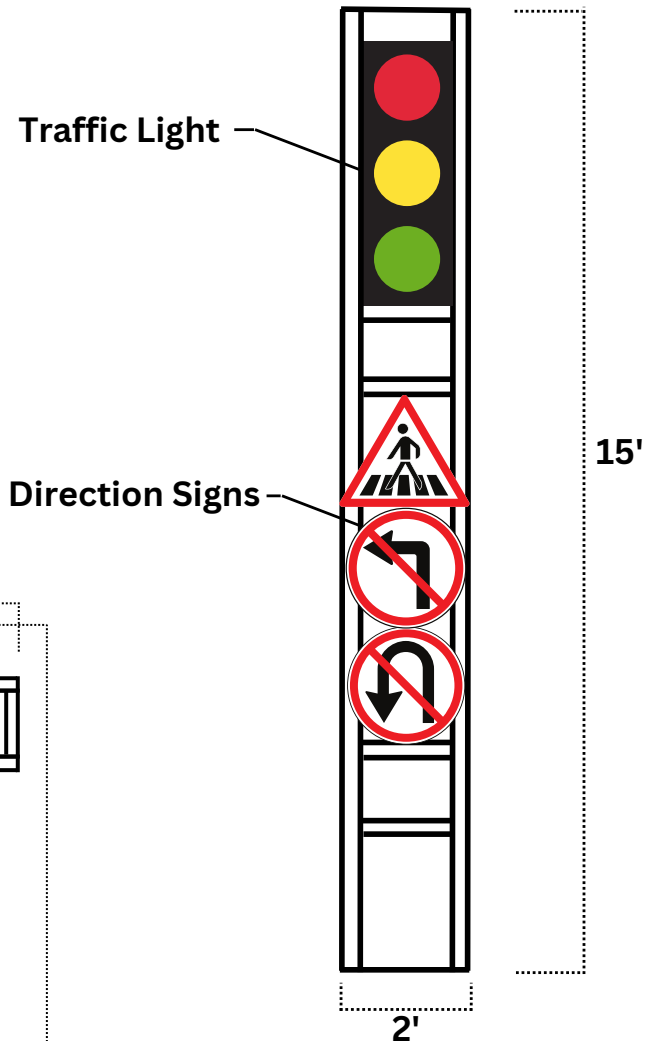
We are a trusted resource for Department of Transportation in traffic and signal lighting poles built to the exact specifications of individual departments and municipalities. Poles can be supplied with a galvanized finish, paint over galvanized finish, or a factory finish paint coat in a decorative urban application.

Design is not just what it looks and feels like; design is how it works. We also construct custom decorative signal poles built to match the designer's vision. From decorative cast bases to custom colors, the only limit is your imagination. Decorative signal poles are available with round, octagonal, or fluted shafts & mast-arms.

◎ Option #01:



MAST ARM POLE

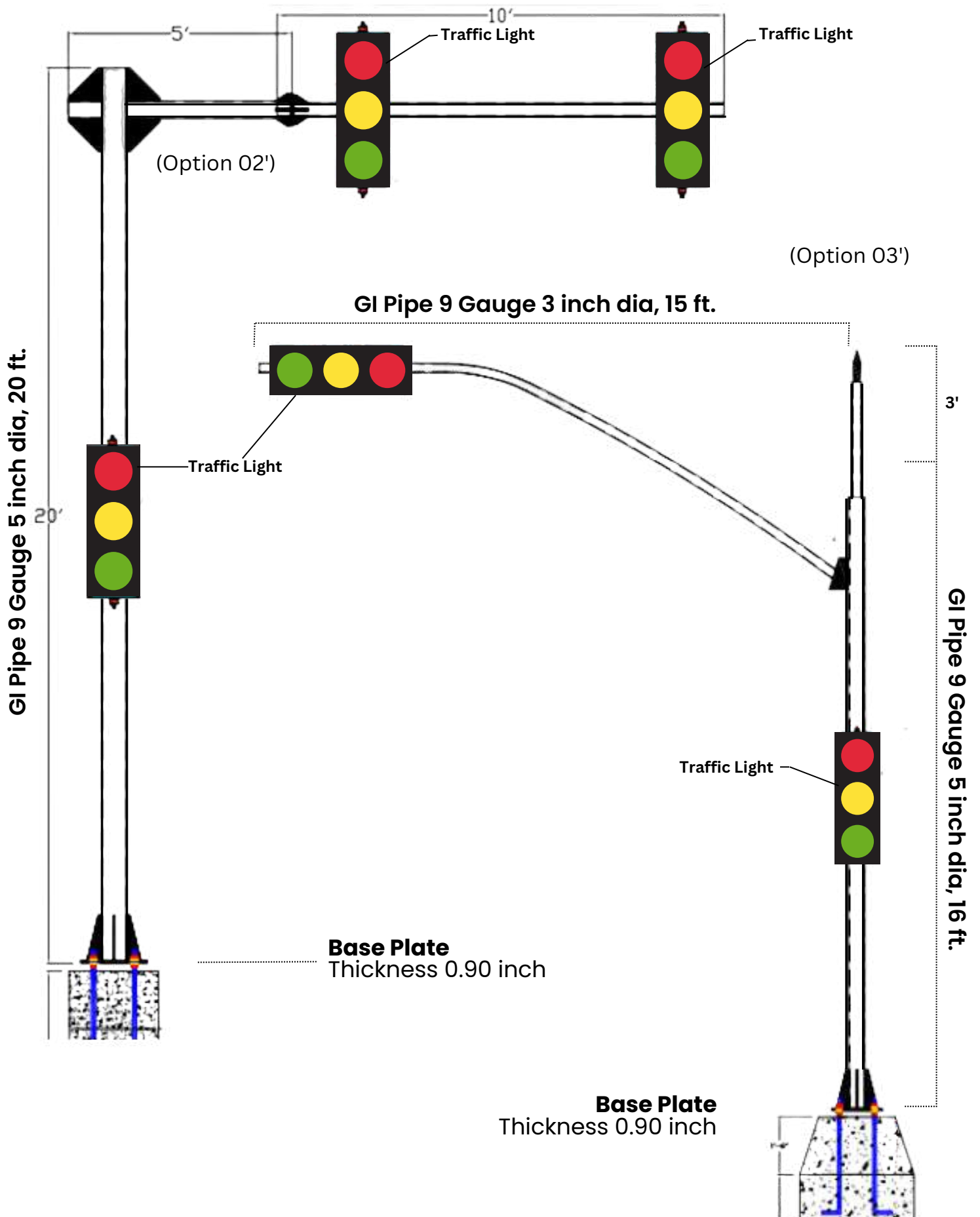


STRAIGHT POLE

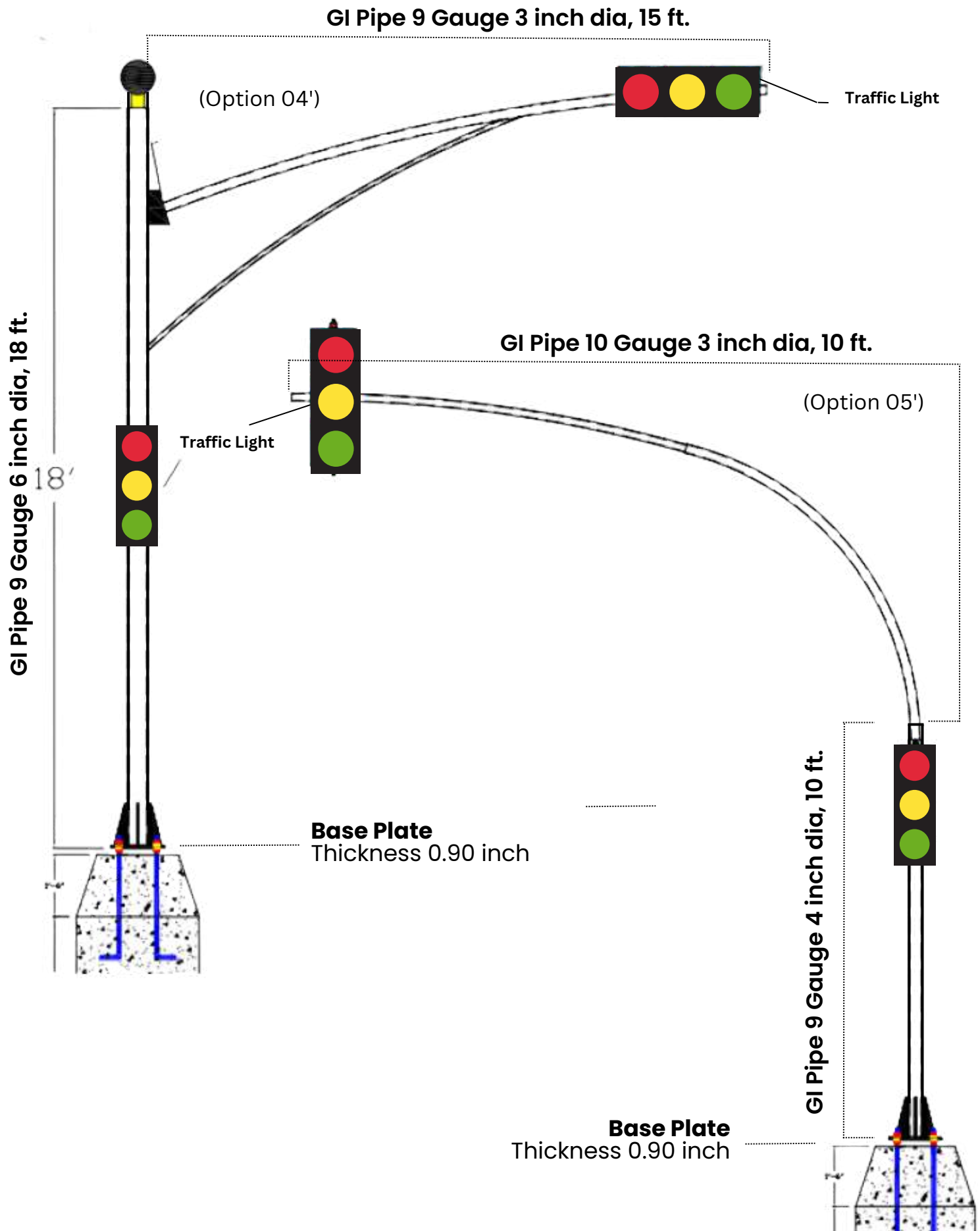
Whether your needs include an attractive, decorative design or a more traditional traffic signal light structure, the PGE technical team integrates quality, functionality and visual appeal to craft traffic control structures which meet or exceed specified local, provincial or federal departments requirements.

◎ Option #02 & 03:

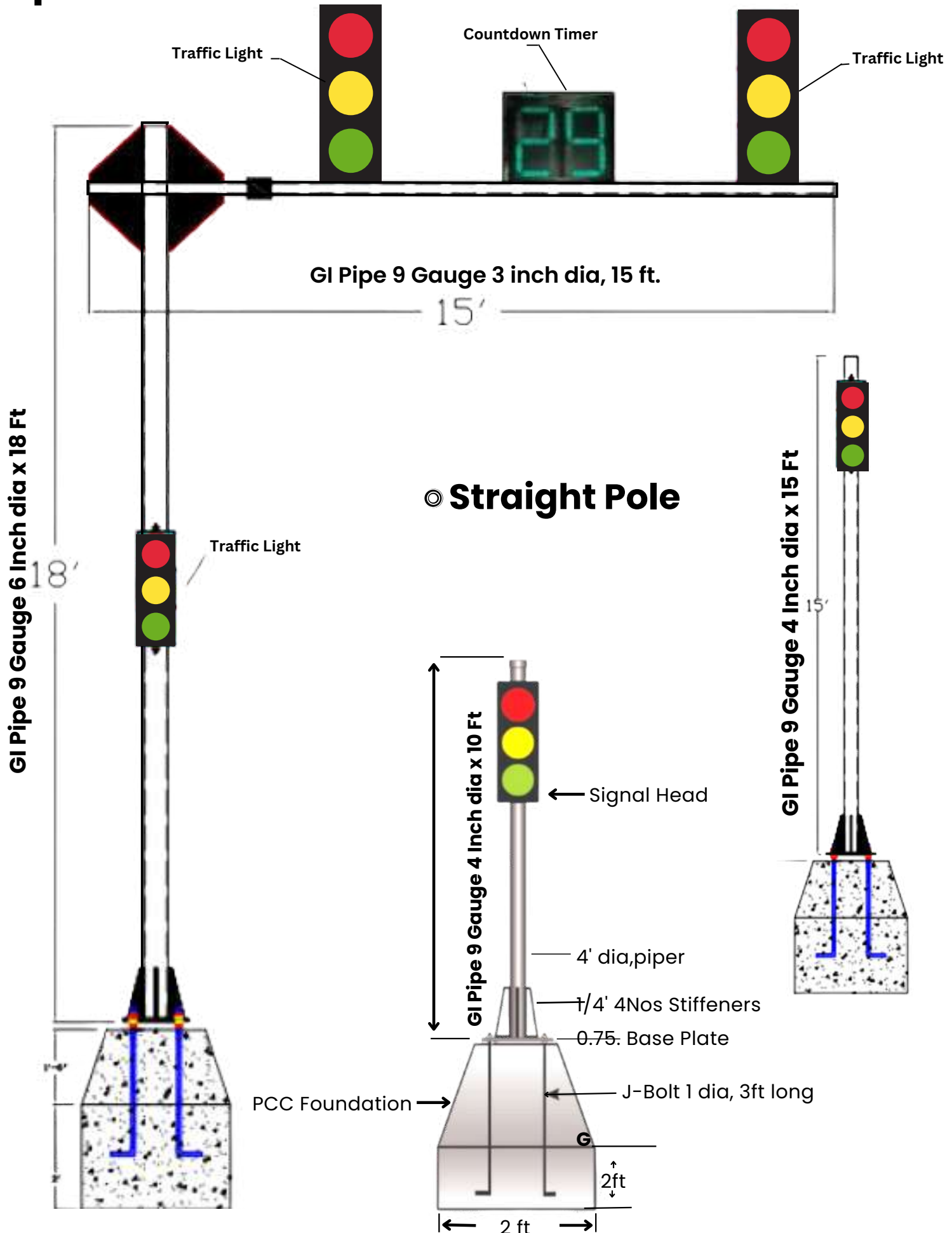
GI Pipe 9 Gauge 3 inch dia, 10 ft.



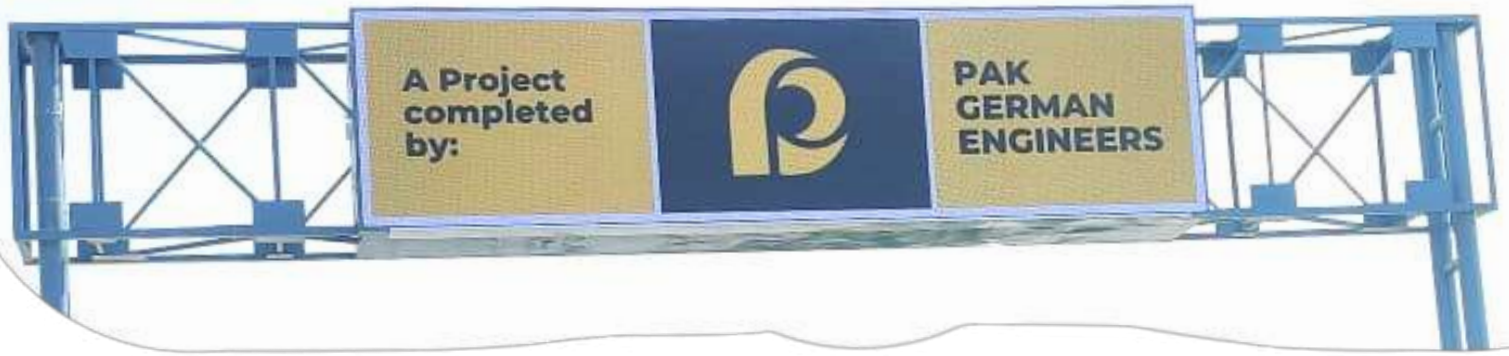
© Option #04 & 05:



© **Option #06 :**



© **Straight Pole**



© VMS SCREEN

The VMS SCREEN product is a highly effective traffic information dissemination system that utilizes Glare-LED variable message signs and traffic guidance equipment to display traffic information. The product is based on a display device that uses LED lighting technology to show clear graphics and text.



Our PGE team is install the VMS SCREEN product at **Gullbarg Green**. During the installation process, we determined the optimal location for the system and configured the hardware and software to properly connect to the necessary data sources. We provided PGE with the necessary training and support to ensure that they can operate and maintain the system effectively.



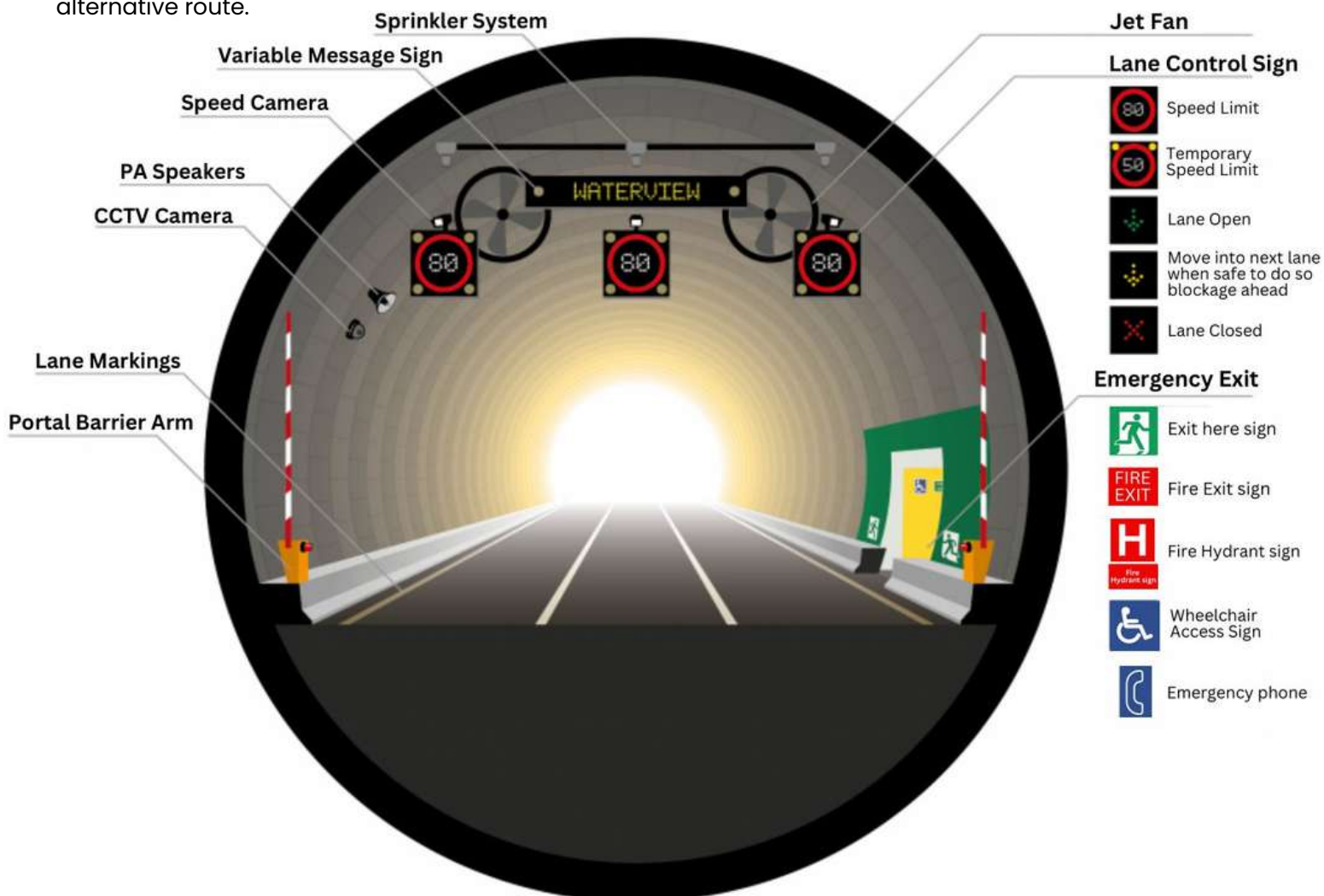
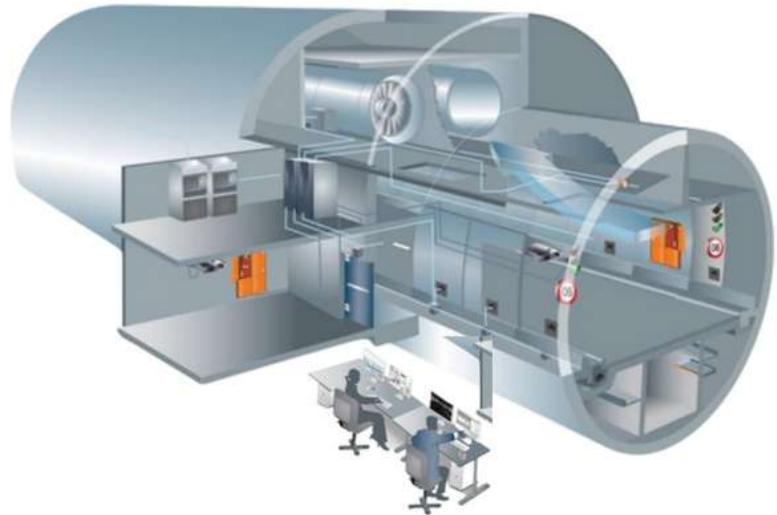
Now that the VMS SCREEN system is installed at **Gullbarg Green**, drivers in the area can receive real-time traffic information, weather updates, and important notices. This will help to improve overall traffic flow and enhance the safety of the driving experience. The VMS SCREEN product is an excellent choice for transportation agencies and road network operators looking to provide timely and relevant information to drivers on the road.

● Tunnel Managements System

The tunnel is equipped with state of the art communication and safety features including electronic message boards, public address and radio sound systems, CCTV cameras and high-powered ventilation and fire sprinkler systems.

● Additional safety features include:

- The tunnel and traffic inside it is monitored 24/7 by dedicated Tunnel Operators via CCTV and computerized systems.
- along the right hand side of each tunnel. These exits (or cross-passages) provide direct access to the other tunnel and are only to be used in emergencies.
- Any vehicle stopped in a lane from accident, mechanical breakdown or otherwise, will be pushed or towed to a place of safety as quickly as possible.
- On-ramp signals to help regulate traffic flow. These signals are an important part of the extensive safety systems and will help manage traffic entering the tunnel if there's an incident.
- Over-height detection systems which notify drivers if they are travelling in an over-height vehicle. This gives them an opportunity to pull over and take an alternative route.



© Automated Parking Management & Control System

APM&CS (Automated Parking Management & Control System) is a system for managing pay to-park parking lots, for both hourly and season / E-Tag parkers. Composed of Entry Station, Exit Station, Barrier, MPS (Manual-pay-station), Loop Detector, software and other optional devices, PGE PMS makes your parking lots secure, intelligent and high-efficient, providing below typical different systems for different applications:

Pay at Exit is an advanced Parking Management System for managing pay-to-park facilities with high traffic flow, for both hourly and season parkers.



Hourly parkers take barcode ticket at entry and pay cash at exit, season parkers get access and leave by self-service swiping their cards on Entry Station & Exit Station respectively, or enter and leave w/o stop if window shield tag is read by long range reader.

© Parking slot monitoring system

Parking space is becoming a serious problem due to increasingly numbers of vehicles on the road. Particularly, in major metro cities with large population, or in places where sports or musical activities are scheduled, looking for parking space and finding a parking spot can be a frustrating experience.



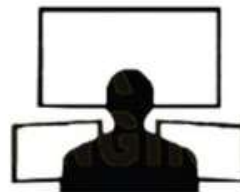
- Car parking occupancy sensor



- Parking App



- Data collector



- Digital Display



© It is ideal solution for parking lots of premises such as shopping mall, exhibition, hospitals, airports etc.

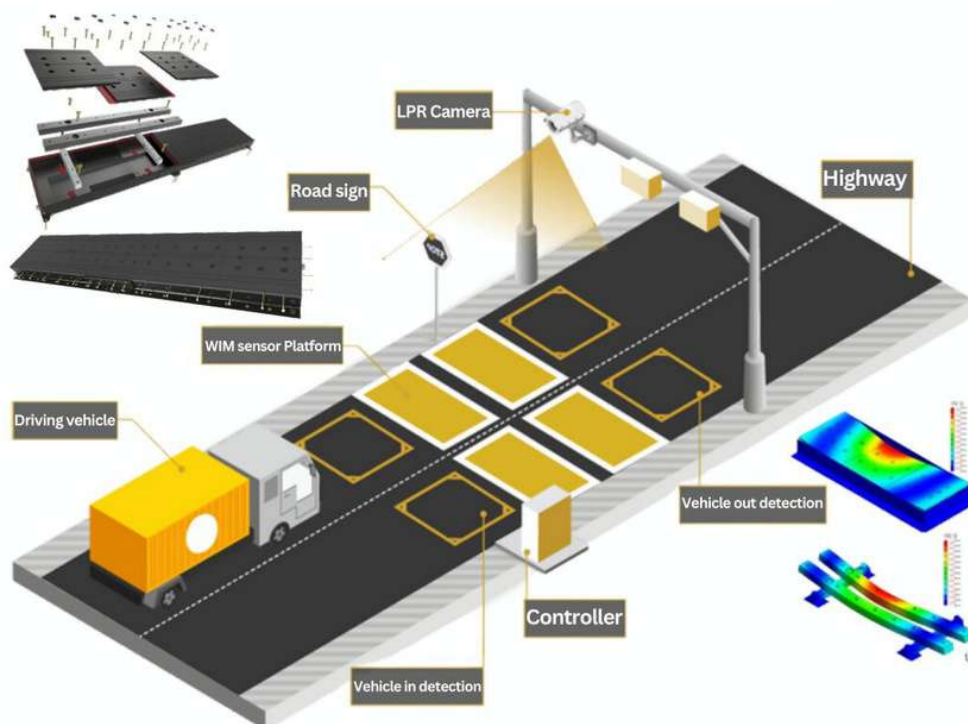
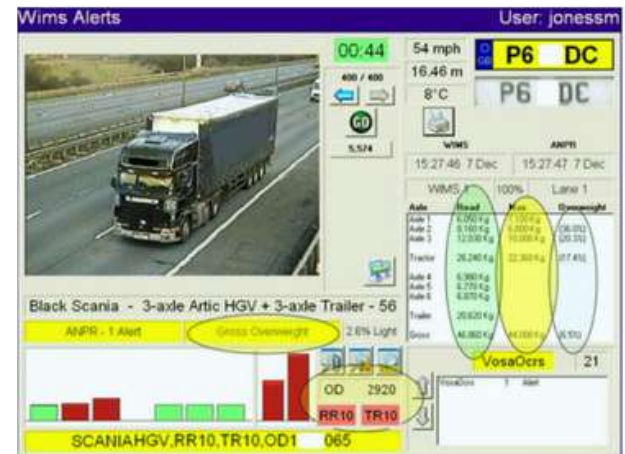


● Weigh-In-Motion (W.I.M)

Weigh-in-motion (WIM) scales are embedded scales that can weigh vehicles while they are in motion on interstate roadways. This type of scale works by using sensors in the road and imaging technology to tell what kind of vehicle is currently on the scale and how much each axle weighs. These systems can tell if a trucks load is properly balanced or heavy on an axle group which can affect handling.



The effective identification of suspected vehicles can significantly lower the testing workload, improve the efficiency of overweight testing enforcement and reduce the traffic congestion resulting from the overweight testing, While effectively collecting the traffic data related to roads and bridges.



The solution conducts weighing pre-testing on vehicles passing bridges or highways to screen suspected overweight vehicles, and then, uploads vehicle-related data to the management center, so as to guide the suspected vehicles to receive re-weighing in the fixed overweight testing station ahead.

● **Electronic Toll Collection System**

PGE provides core equipment and solutions for the ETC/MTC mixed toll system. The solution provides more convenient trip for ETC users and avoid waste of resources by the ETC lanes.

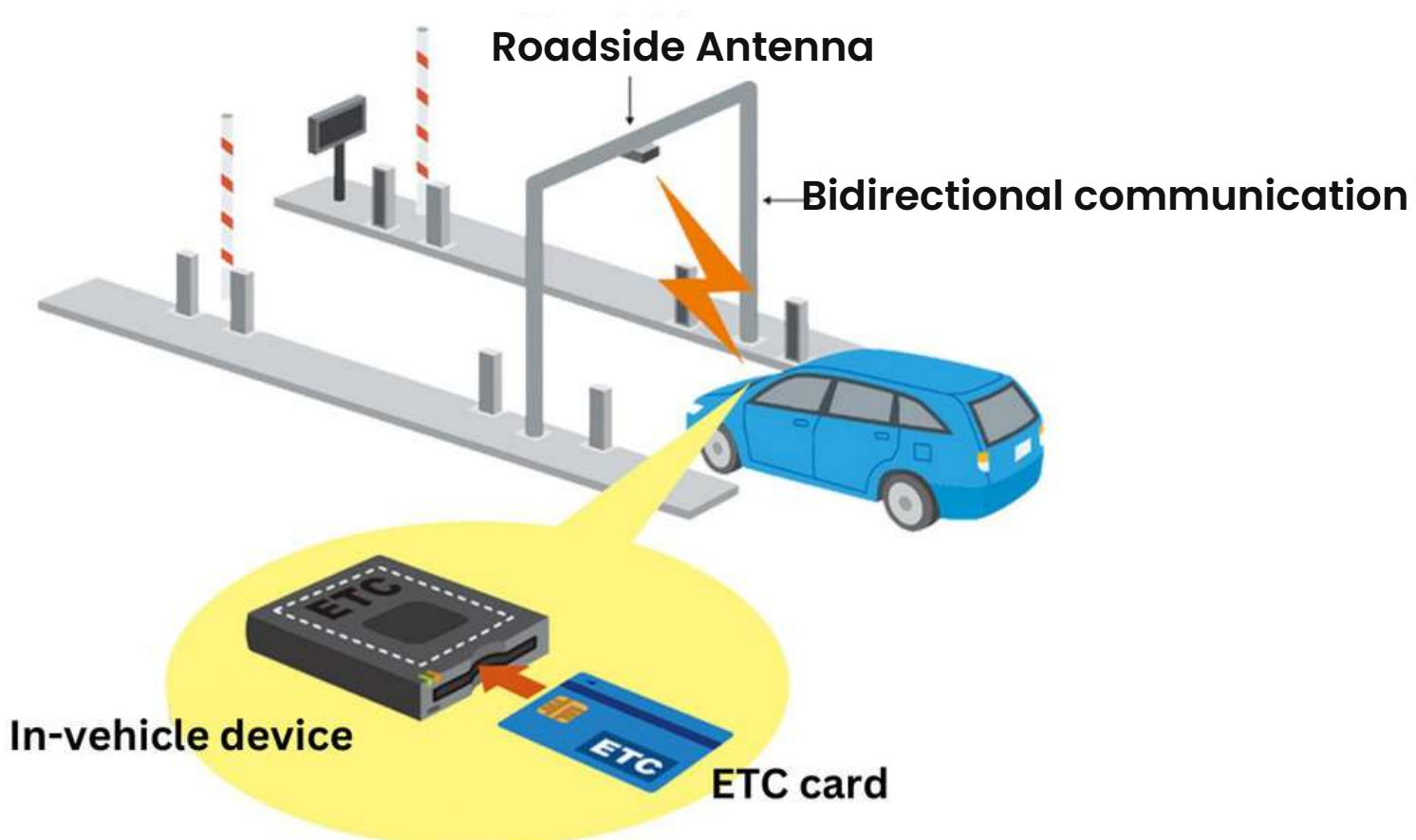
Our installed RSU antennas on the existing MTC lanes enables them to act as ETC lanes.



This system could provide ETC and MTC services in one lane simultaneously by installing microwave antennas and adjusted its heights and angles.



● **As a result, the problems including interference from following vehicles and adjacent lane can be prevented.**



● Over Height Vehicle Detection and Warning System.

We are pleased to introduce the Over Height Vehicle Detection and Warning System.

This system has been devised to assist the prevention of over height vehicles colliding with low obstacles e.g. railway bridges, tunnels, motorway junction networks, underpasses and flyovers etc.



● What Does Our OHVDS Do?

- Detects over height vehicles and activates visual and aural warnings.
- Directs driver to take appropriate action e.g.; DIVERT, STOP or TURN BACK.
- Mounted on poles approx. 100 meters from the obstacle it provides sufficient time for | driver to avoid collision.
- Can notify traffic-monitoring stations, law enforcement or IT control points via landline wireless.
- The detectors are capable of detecting over height vehicles traveling at up to 100 km/h even in rain, snow, or dusty conditions.



Over height is detected by OVDS.



Alarm Bell activates with warning Sign. Parabolic shield focuses sound toward vehicle, drawing attention of driver to Warning Sign.



Warning Sign activates with Alarm Bell. Sign message alerts driver to pain over height hazard and provides directions for appropriate response.

◎ Doppler / Radar Sensors System

Traffic control radar has numerous applications, including traffic management, speed enforcement, road safety, weather monitoring, and airport traffic control. Additionally, it can be used for toll collection, railway crossing control, security and surveillance, autonomous vehicles, and border security. These applications range from optimizing traffic flow to preventing accidents, improving public safety, enhancing security, and even facilitating autonomous driving. Traffic control radar is a versatile technology with a wide range of uses in various industries, making it an important tool for improving efficiency, safety, and security.



Traffic control Radar



Stop Line Radar



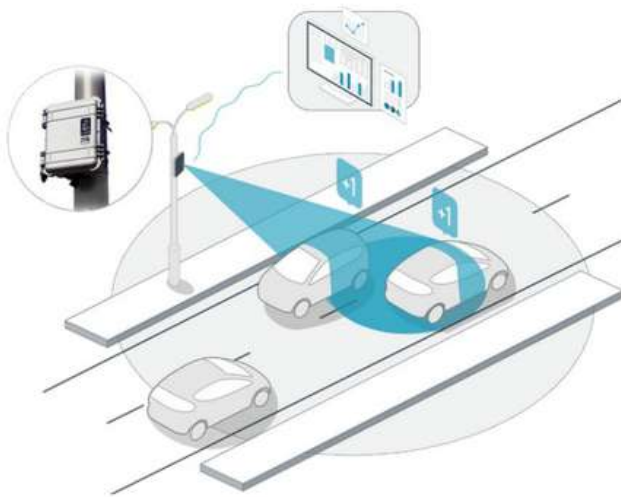
Pedestrian Radar



In-Sign Radar



Highways Monitoring Radar



Radar-based systems can provide real-time data on traffic patterns, enabling real-time adjustments to improve traffic flow and reduce congestion.

- This product has been designed for the detection and monitoring of pedestrians and cyclists crossing the road at signaled installations and other applications where the detection of moving pedestrians is required.



Traffic & Pedestrian Control



Highways



Enforcement



Tunnel & Track

© Automatic Incident Detection system

The Automatic Incident Detection system is an important component of a Smart Highways solution, providing accurate and reliable vehicle tracking and Automatic Incident Detection for roads, bridges and tunnels.



**Queue
Congested Flow**



Slow Vehicle



**Abandoned
Object**



Stopped Vehicle



**Smoke
Low Visibility**



Pedestrian

Detection Zone



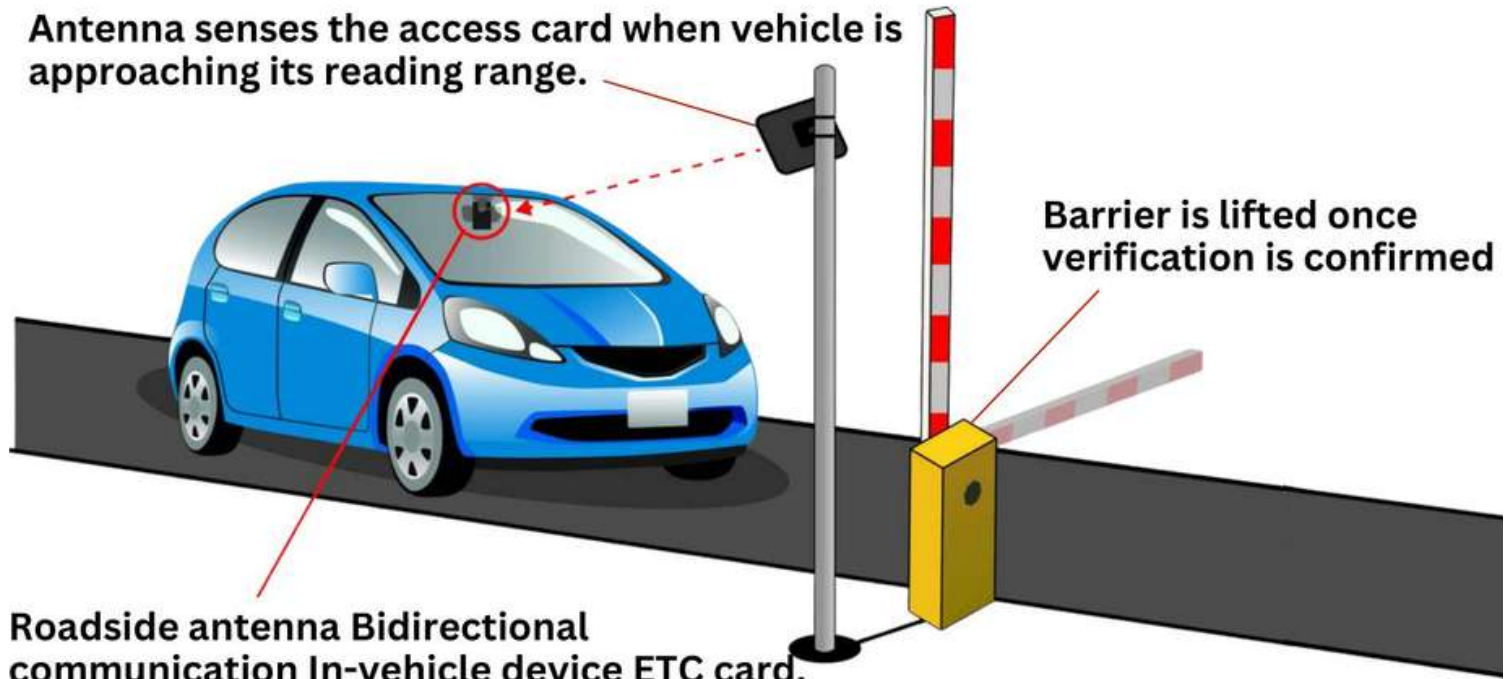
- The 'Smart Highways' concept, enables improved traffic flow and enhanced safety through the effective use of technology.

- Increasing safety on our motorways and reducing traffic congestion have become major goals..

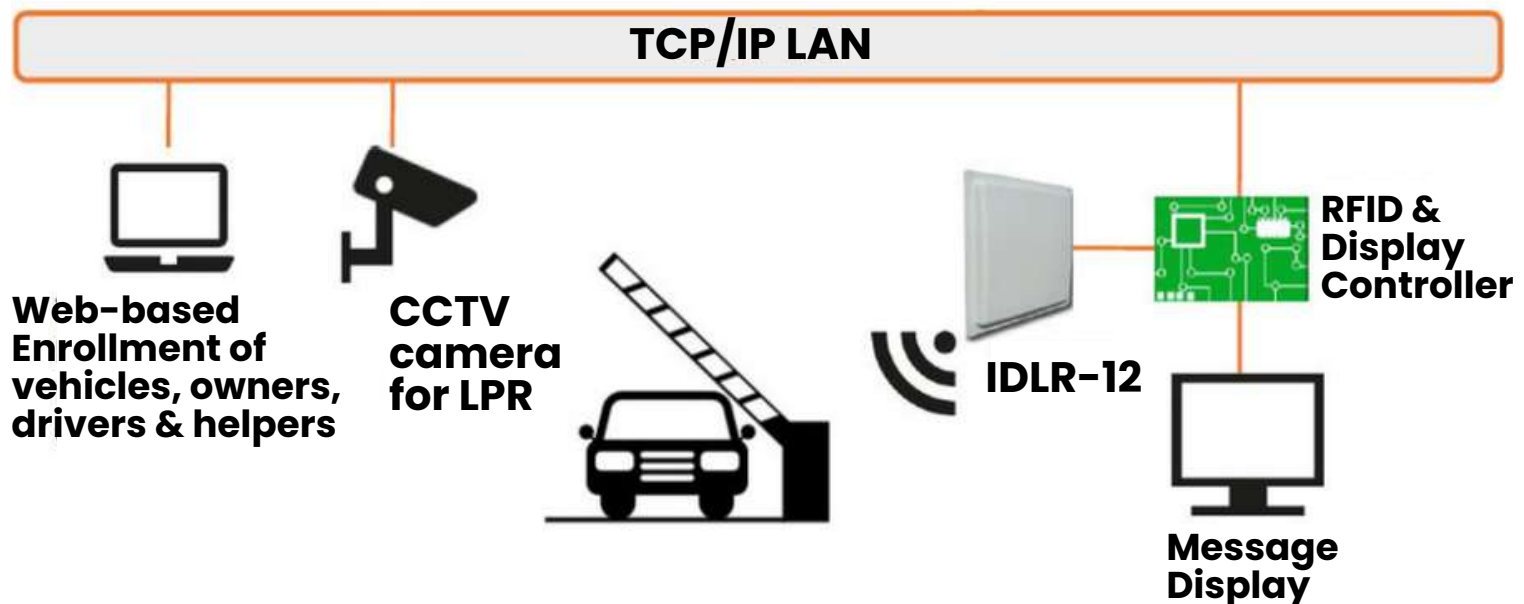
● VEHICLE ACCESS MANAGEMENT SYSTEM

With our complete solution, our customers benefit from a reliable and comprehensive vehicle access management system, scalable for different business areas: from a simple employee parking lot to networked city solutions.

Antenna senses the access card when vehicle is approaching its reading range.



The only Vehicles having access tag will be allowed to enter, while others without tag are restricted. RFID detects the vehicle and allow the authorized vehicle to enter by moving the barrier up and the unauthorized vehicle are blocked.



SPECIAL PROJECTS



● Supply, Installation of Platform Screen Doors in Metro Bus Projects in Lahore & Multan:

PGE's supply and installation of platform screen doors for Lahore and Multan metro bus projects is a significant achievement in Pakistan's transportation history. This first-ever installation in the country sets a benchmark for future projects and has made PGE a reliable provider of advanced transportation solutions, enhancing its industry reputation.

Our PSD system incorporates the latest digital microprocessor technology, providing the control unit with programmable modes to interface with building security systems and monitor the doors' position, lock status, and battery level. The microprocessor can also be adjusted to meet specific site requirements and climatic conditions.

To ensure safety, the ADIS microprocessor will automatically reverse the doors' operation if an obstruction is detected while closing. We have also included active infrared safety sensors that halt and open the doors immediately upon detecting any obstruction, enhancing safety and convenience.

Our advanced PSD system is an excellent addition to any transportation project, offering high-quality, reliable, and safe performance. With this technology, we continue to enhance our reputation and deliver value to our customers.





● Supply, Installation of Centralized Traffic Management System in Metro Bus Project, Lahore:

The successful completion of the road safety and traffic signal installation project by Pak German Engineers, in collaboration with The Urban Unit of the Government of Punjab, is a notable achievement. The installation of the **SCATS** (Australia) compatible UTC controllers, interlinked with the centralized control room at Aarfa Kareem IT Tower, has significantly improved traffic flow and safety in Lahore.

By completing this project, Pak German Engineers has demonstrated its technical expertise and ability to deliver high-quality transportation solutions. This has added value to the company and enhanced its reputation in the industry, making it a reliable provider of advanced transportation technology. The successful completion of this project is a significant milestone for Pak German Engineers, showcasing its commitment to excellence and continued growth in the market.

Our traffic control system efficiently manages traffic using advanced algorithms and intelligent technology that adapts traffic signal timings to reduce delays and congestion. The system's capabilities demonstrate our commitment to innovative expertise, enhancing our reputation and delivering value to customers.

The benefits of SCATS are:

- **Reduced air pollution.**
- **Reduced fuel consumption**
- **Reduced delays.**
- **Enhanced public transport time and reliability**

SCATS® urban traffic management software is used in 27 countries worldwide and continues to deliver consistent and measurable results. Also, this system is licensed to operate in more than 37,000 intersections worldwide.

SCATS





◎ BAHRIA TOWN (PVT.) Ltd, KARACHI:

PGE is currently executing a project which includes installation of traffic signal; traffic signal controller; installation of pedestrian light; installation of wireless magnetic vehicle; providing & fixing of standard cantilever; supply & fixing of standard pole; making of foundation for controller.

- Client: Bahria Town (Pvt.) Ltd. Karachi.
- Project: Include installation of traffic signal.

◎ MUNICIPAL CORPORATION FAISALABAD:

PGE is currently executing a project with municipal corporation Faisalabad which includes repair/ replacement of traffic signal at 30 No's intersections in city Faisalabad.

- Client: Municipal Corporation Faisalabad.
- Project: Includes repair/ replacement of traffic signal.

◎ PUNJAB MASSTRANSIT AUTHORITY (PMA):

PGE is currently executing a project with Punjab Mass transit authority (PMA) which includes supply, installation, testing, commissioning of video wall graphic card in cc& c Lahore Metrobus system.

- Client: Punjab mass transit authority
- Project: Supply installation testing of video wall graphic card

◎ HUAWEI:

PGE is currently doing project HUAWEI of purchasing of traffic signal light.

- Client: HUAWEI.
- Project: Purchase of traffic signal.

◎ OFFICE OF THE MUNICIPAL COMMITTEE RAHIM YAR KHAN:

PGE is currently executing a project with Office of Municipal committee Rahim Yar Khan of providing and installation of traffic signal with solar system at DC office chowk city Rahim Yar Khan.

- Client: Office of the municipal committee Rahim Yar Khan.
- Project: Providing and installation of traffic signal.

◎ FAISALABAD DEVELOPMENT AUTHORITY:

PGE is currently executing a project FDA of supply and installation of traffic signal.

- Client: Deputy director FDA-City
- Project: Supply and installation of traffic signal



◎ CANTONMENT BOARD ABBOTTABAD:

PGE is currently executing a project with cantonment board Abbottabad of improvement uplifting of traffic signals installed at Kakul chowk, Murree chowk, Shabbir Sharif road and Mansehra road junction Abbottabad Cantt.

- Client: Cantonment executive officer Abbottabad.
- Project: Improvement Uplifting of traffic signal.

◎ NATIONAL TELECOMMUNICATION CORPORATION ISLAMABAD:

PGE is currently executing a project at national telecommunication corporation Islamabad of repair and maintenance of automatic sliding door, installed at NTC HQ's G-5/2 Islamabad.

- Client: NTC Islamabad.
- Project: Repair and maintenance of automatic sliding door.

◎ BAHRIA TOWN PVT. (LTD.) KARACHI:

PGE is currently executing a project with Bahria town Pvt. Ltd. Karachi for dismantle of metaled road, providing / laying of multicore PVC, making of foundation, construction of inner draw pits, providing and fixing of standard cantilever, supply and fixing of standard pole, traffic signal controller, supply and installation of wireless magnetic vehicle.

- Client: Brig Khalid Mahmood SGM Maintenance & Service Bahria town Karachi.
- Project: Supply & installation of wireless magnetic vehicle.

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with

CDA of solarization of existing traffic signal at Jinnah Avenue / Faisalabad Avenue underpass, Islamabad.

- Client: CDA.
- Project: Solarization of existing traffic signal.

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA of upgradation of traffic signal at H-9 Kerther road near nursery Islamabad.

- Client: CDA
- Project: Upgradation of traffic signal

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA renovation of traffic signal at china chowk Nazim-ud-Din road and Fazl-e-Haq road (02 crossing) in Islamabad.

- Client: CDA.
- Project: Renovation of traffic signal.

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA of upgradation / renovation of existing traffic signal at Ayyub chowk near Marriott hotel Islamabad.

- Client: CDA.
- Project: Upgradation/ renovation of existing traffic signal.

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA of renovation of existing traffic signal at 7th avenue Kashmir highway Islamabad

- Client: CDA.
- Project: Renovation of existing traffic signal.



◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA of Rehab / Renovation & improvement of traffic signal near Saudi Pak tower N.D road F- 7/1, F-7/4 Islamabad.

- Client: CDA.
- Project: Rehab/ Renovation & improvement of traffic signal.

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA of providing installation of traffic signal in front of main gate of Pakistan sports board Kashmir Highway Islamabad.

- Client: CDA.
- Project: Installation of traffic signal.

◎ CAPITAL DEVELOPMENT AUTHORITY:

PGE is currently executing a project with CDA of rehab/ Renovation & improvement of traffic signal at Haidri chowk, Sumbal road & service road west F-10 Islamabad.

- Client: CDA.
- Project: Rehab/ Renovation & improvement of traffic signal.

◎ Bahria Town Pvt Ltd KHI

PGE is currently executing a project with Bahria Town Karachi Supply & Installation of Traffic Lights at Bahria Avenue II

◎ Punjab Safe Cities Authority LHR

PGE is currently executing a project with Providing / Laying of 63MM HDPE at Ferdous Market Traffic Signal, Electrical & Paint Work in Kasur Center

◎ Municipal Corporation Faisalabad

PGE is currently executing a project with Daily Routine Maintenance of Traffic Signals in Area of MCF

◎ Khalida & Quasar Contracting

PGE is currently executing a project with Supply and Installation of Traffic Signal Intersection at Joray Pull, Allama Iqbal Town

◎ TMA Chiniot

PGE is currently executing a project with Supply and Installation of Traffic Signal Intersection at Joray Pull, Allama Iqbal Town

◎ Maestro Enterprises

PGE is currently executing a project with Supply of Retro Reflective Sign Boards, Metal Guard Rail, Guide Post & Other Traffic Equipment's at Dhasu

◎ Chughtai Institute LHR

PGE is currently executing a project with Supply of High Quality Slim Panel Lights

◎ CITI Housing Gujranwala

PGE is currently executing a project with Supply and Installation of Traffic Signal 4-Way Intersection at Phase-1, Citi Housing Gujranwala

◎ C&W Peshawar

PGE is currently executing a project with Providing & Fixing of Traffic Signals at Varios Location with Accessories

◎ Icon Technologies

PGE is currently executing a project with Supply & Installation of Traffic Signals Intersection at Shaheen Chowk, Multan Cantonment

◎ SBBU Nawabshah

PGE is currently executing a project with Supply & Installation of Road Safety Products with complete Accessories



◎ Cantonment Board Clifton

PGE is currently executing a project with Improvement Rehabilitation of 08 Nos Traffic Signals at KH-E-Ittehad, Phase VI, DHA Karachi

◎ TMA Rahim Yar Khan

Rehabilitation of Traffic Signals at Unilever Pull City Rahim Yar Khan

◎ Private Client (D-Watson)

PGE is currently executing a project with Providing and Installation of Automatic Sliding Door Operator

◎ AL-AWAN

PGE is currently executing a project with Procurement of Store Material of Traffic Signals.

◎ SIGMEN Pakistan

PGE is currently executing a project with Procurement of Store Material of Traffic Signals.

◎ World Bank Islamabad.

PGE is currently executing a project with Repairing of sliding Gate System.

◎ Municipal Committee Rahim Yar Khan

PGE is currently executing a project with Reconstruction / Shifting of Traffic Signals City Pull to Jail Chowk Rahim Yar Khan

◎ Private Client

- PGE is currently executing a project with Providing of Traffic Signals. (RCB Touqeer),
- Providing and Installation of Automatic Swing Gate Operator, Providing of LED Traffic Light, Pedestrian Light and Push Button,
- Providing and Installation of Automatic Sliding Gate Operator, Providing and installation of LED Street Lights,

◎ Capital Development Authority

PGE is currently executing a project with Repair/Maintenance of Traffic Signal Cable, Traffic Signal Pole at Islamabad.

- Repair and Maintenance of Traffic Signals at Piffer Chowk, Murree Chowk, PMA Kakul Chowk.
- Providing & Laying of 10" dia M.S Line from 7MGR to 30" dia PRCC line Near 7MGR and 10" dia MS Line for making connection from 48" dia in Pak Secretariat, F-5 Islamabad.
- Up-Gradation/Renovation of Existing Traffic Signal Tipu Chowk G-8, Islamabad
- Rehab/Renovation of Existing Traffic Signal at Kashmir Highway Police Line Chowk, Taramari Chowk, near Islamabad Club Islamabad. (Abdul Waham Enterprises).
- Up-Gradation/Renovation of Existing Traffic Signal at Ismail Zabee Road with Kaghan Road F-8, Islamabad.
- Rehab/Renovation of Existing Traffic Signal Kurram Road, Sawan Road G-9 (SRW) Islamabad.
- Repair/Maintenance of Storm Drainage System (SDS) in Sector G-10 & G-11 Islamabad.
- Up-Gradation/Renovation of Accidental Traffic Signal at I-8, I-9, Front of Fazal Steel, Islamabad. (02 Crossings).
- Rehab/Renovation of Existing Traffic Signal Ibn-e-Sina Road "T" Junction Mangla Road, Islamabad.
- Up-Gradation/Renovation of Existing Traffic Signal at Park Road with Shahzad Town, Islamabad.
- Installation of 04 Nos. Public Drinking Water Filtration Plant at Different Locations in Sector G-11, Islamabad.

◎ Bahria Town Pvt Ltd Lahore

PGE is currently executing a project with Supply & Installation of 3-Way Traffic Signal at Morr Chowk.



◎ **I.B Employees Cooperative Housing Society**

PGE is currently executing a project with Supply, Installation & Maintenance of Variable Message Sign (VMS) Under Smart Transportation for A Pilot Project in Gulberg Islamabad

◎ **Punjab Safe Cities Authority (PSCA)**

PGE is currently executing a project with Hiring of Services for Restoration / Relocation / Shifting of PSCA Infrastructure at Different Sites Through Framework Contract

◎ **Eurobiz Corporation**

PGE is currently executing a project with Supply & Installation of Road Safety Products with Complete Accessories at Grand City Kharian

◎ **I.B Employees Cooperative Housing Society**

PGE is currently executing a project with Supply, Installation & Maintenance of Variable Message Sign (VMS) Under Smart Transportation for A Pilot Project in Gulberg Islamabad

◎ **Punjab Masstransit Authority**

PGE is currently executing a project with Essential R&M Works for PSD at Various Stations of MBS

◎ **Municipal Corporation Faisalabad**

PGE is currently executing a project with Daily Routine Maintenance of Traffic Signals in Area of MCF.

◎ **Khalida & Quasar Contracting**

PGE is currently executing a project with Supply and Installation of Traffic Signal Intersection at Joray Pull, Allama Iqbal Town

◎ **TMA Chiniot**

PGE is currently executing a project with Supply & Installation of Traffic Lights at Chiniot City.

◎ **AFGHANISTAN**

PGE is currently executing a project with Supply of Traffic Signal Equipments for Kabul Afghanistan

◎ **Punjab Msstransit Authority**

PGE is currently executing a project with Essential R&M Works for PSD at Various Stations of MBS, Replacement of Parts for Platform Screen Doors (PSD) at Shahdara Station of MBS, Essential R&M Works for PSD at Nishter Stations of MBS, Essential Repair / Maintenance Works for Platform Screen Doors (PSD) at Various Stations MBS, Operation & Maintenance of Platform Screen Doors (PSD), Operation & Maintenance of Intelligent Transportation Network (ITS)

MOU SIGNED BETWEEN

PPK TECHNOLOGY & PGE

© **Muhammad Azhar Siddique** (Owner of **PAK GERMAN ENGINEERS**) **Met Chief Minister of Malacca Muhammad Ali Rustum and Signed MOU.**

Our export of traffic lights, PGE-made traffic controllers, and LED modules to Malaysia is a testament to our commitment to delivering high-quality products and services to our customers. What sets us apart is our relentless pursuit of innovation and our ability to develop products that meet the unique specifications and requirements of our users.



Through our persistent Research & Development efforts, we have been able to introduce a number of new and exciting products to the market. From cutting-edge control systems to advanced LED technology, our products are designed to provide superior performance and reliability.



What really sets us apart, however, is our ability to customize our products and control systems to meet the specific needs of our customers. We take great pride in working closely with our clients to understand their unique requirements, and then developing products that are tailored to their exact specifications.



ORGANIZATIONAL CHART



FINANCE / ACCOUNTS DEPARTMENT



MARKETING DEPARTMENT



VEHICLES

S.NO	DETAIL OF VEHICLES	NO.OF VEHICLES	
1.	Tadano Bucket	1	
2.	Master Truck	1	
3.	Suzuki Pick Up	2	
4.	Shahzor Truck	3	
5.	Mehran Cars	2	
6.	Honda Civic	2	
7.	Suzuki Cultus	2	
8.	Motor Cycle	22	
9.	Tractor	1	
10.	Honda Accord	1	
11.	Nissan Pickup	1	
12.	Toyota luxes, Toyota corolla, Camry, BMW, Jeep	7	

Lahore Head Office



Plot-505-E, near Bhalla chowk, Bhalla Rd,
Block E Johar Town,

Islamabad Office



2155, St. F-1/ A-1, Block-A, National Police Foundation,
Sector O-9, Islamabad

Tel: +92-51-5708384 5708385

Warehouse

