Welcome

To HOUPER presentation

We offers innovative solutions and plans in various fields without any dependence to specific brands. Our excellent background in industrial operations and dominance overall needs are aimed to integrate and develop systems synergy. We activities in Middle East’s biggest projects and its cooperation with international general contractor companies and the positive results obtained put a seal of approval on our achievements in testing all our capabilities.

SOLUTION PROVIDER

Provision of Engineering Services by not Relying on any Particular Brand or System

Simulation & Documentations

Provision of Economical Solutions to Achieve Project Goals

Organizational & Systemic Synergy

RESEARCH

Needs Assessment

Deviations from Organizational Norms

Analysis of Solutions

Incorporation & Synergy

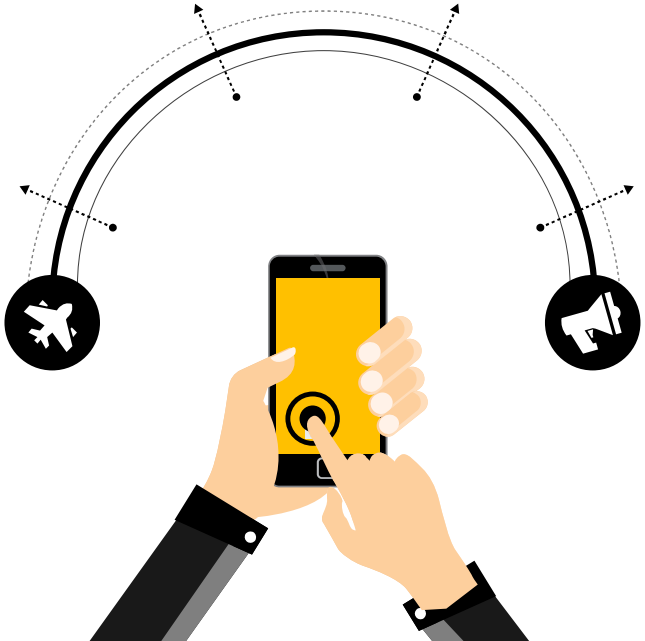
Our Group

Collecting and Documenting the Process of Obtaining International Licenses

Calculation, Simulation, and Verification of International Samples

Conducting Engineering Works by Relying on Strategic Researches and Experiences

Synergy and intra-system cooperation



Network Infrastructure Department

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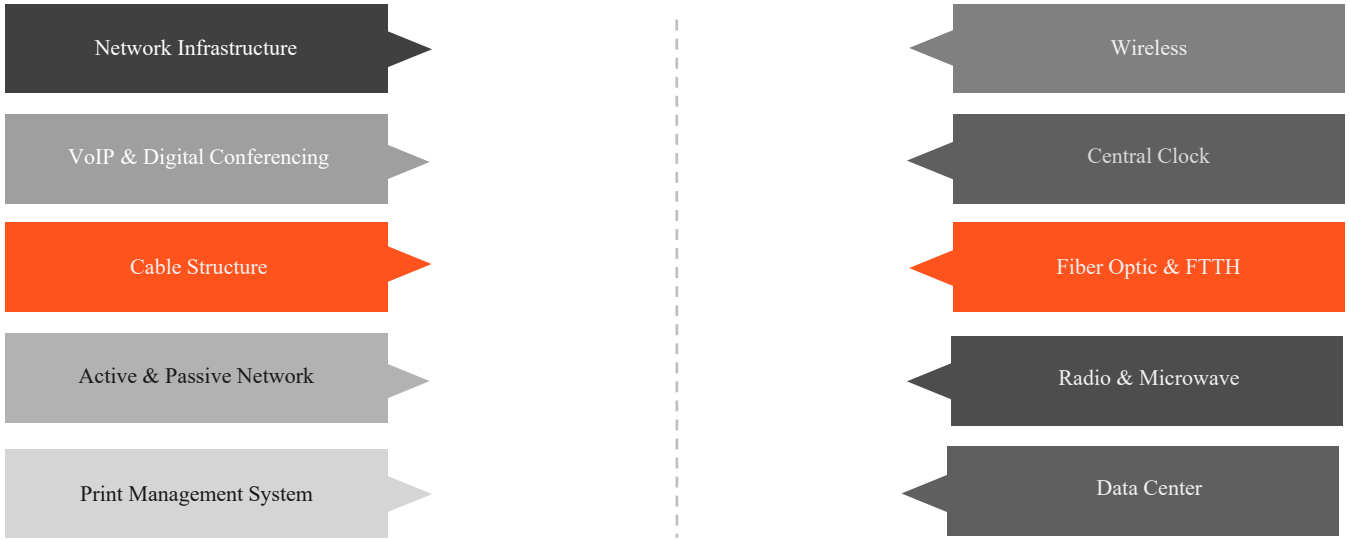

Building Management Department

Building Management Department

- Parking Management System (PMS)
- Escalator, Elevator & Travelator Monitoring and Control System
- GRMS (Guest Room Management System)
- Clean Room Design
- Shuttle & Taxi Management System
- BMS & EMS & Home Automation
- HVAC Management
- Musical Fountain
- LMS
- Ice Melting System

Information & Advertisement Department

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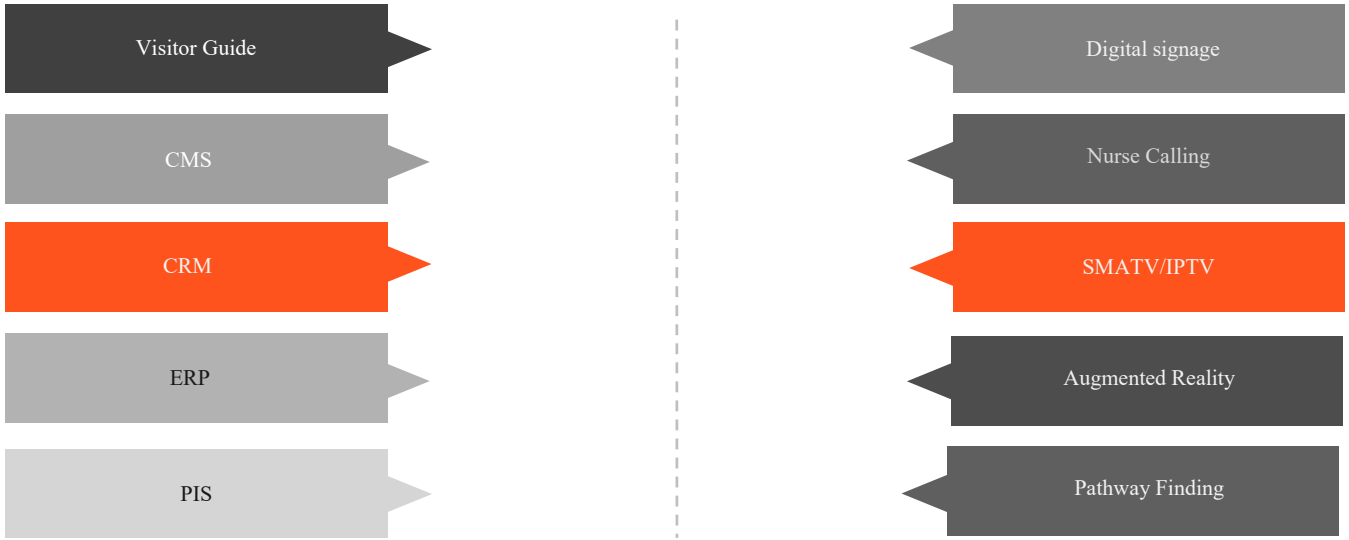

Safety, Security & Audio Department

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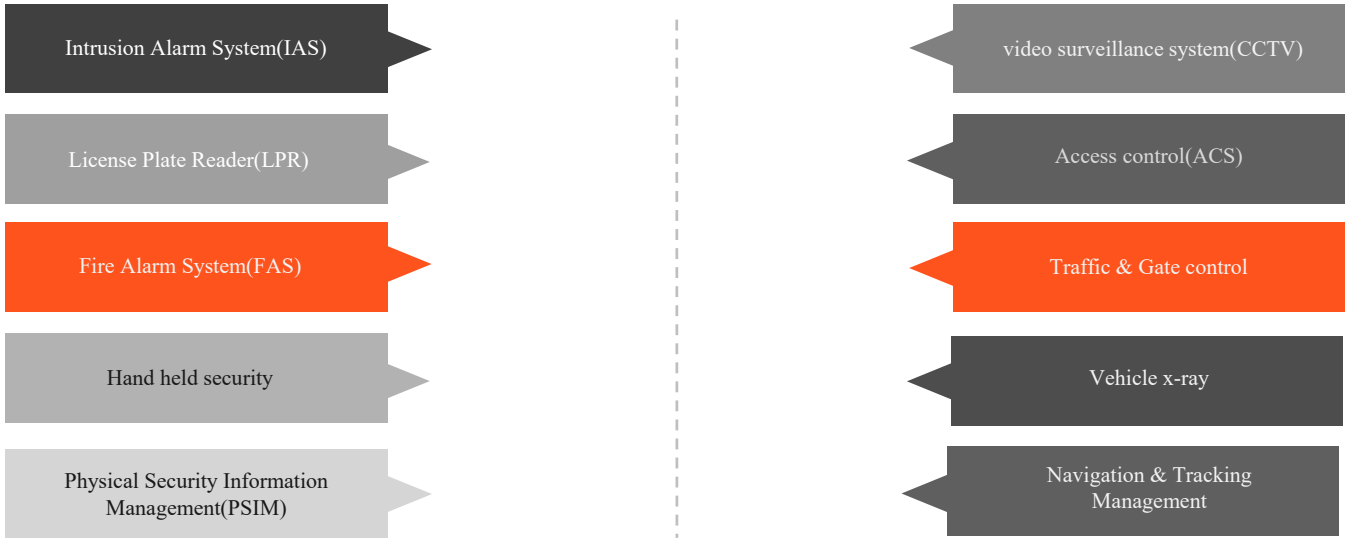

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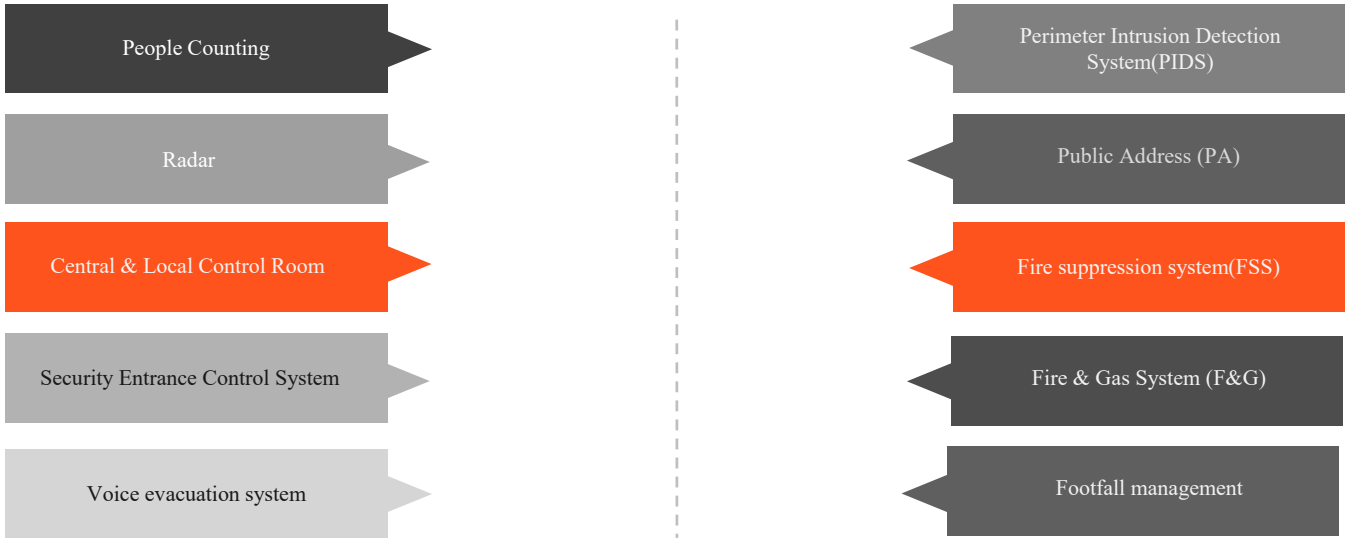


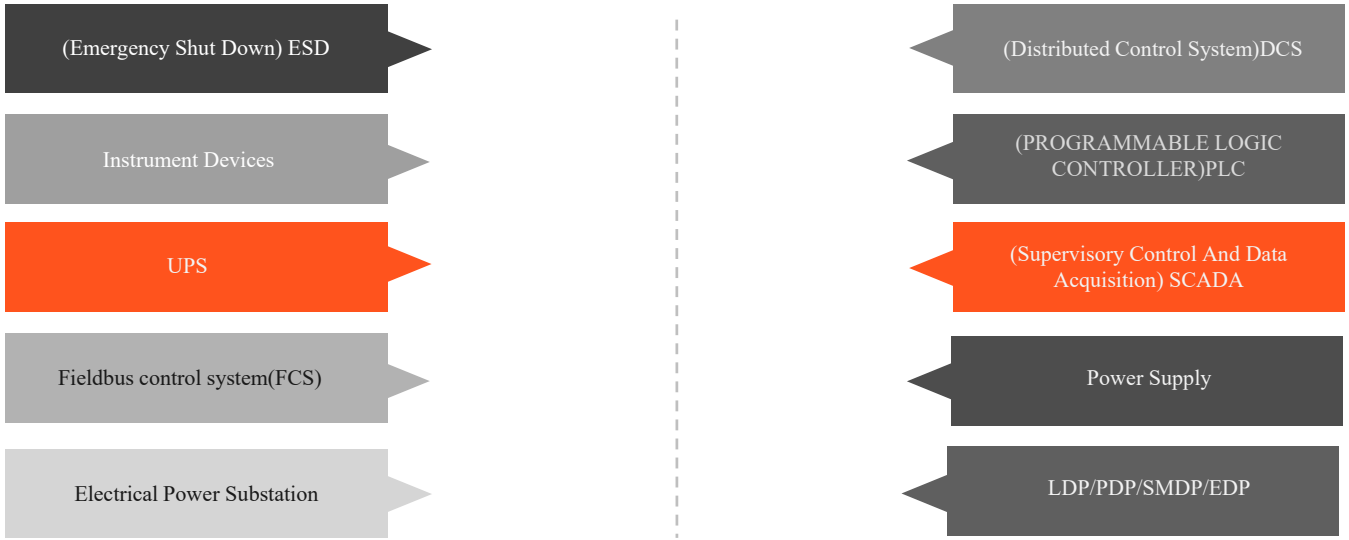
Safety, Security & Audio Department

- disabled Toilet Alarms
- Water Leak Detection system(WLD)
- Integrated Alarm Monitoring Control Systems (IAMCS)
- VTS/AIS
- GDMSS(Global Maritime Distress and Safety System)

- Exit/Emergency Lighting system
- Background Music(BGM)
- LRIT
- Integrated Alarm Monitoring Control Systems (IAMCS)
- BIRDSCARE TECHNOLOGY

Power & Instrumentation Department

Information & Advertisement Department



Houper services for the Traffic police

Average travel speed

Determines the average travel speed on road sections of variable length. This so-called section control captures all vehicles both when entering and when exiting the road section. controlled automatic number plate recognition (ANPR) provides identification at both points. The proven laser technology offers best-possible detection rates, even when vehicles travel in parallel or with little safety distance. vehicle localization also means that the entry and exit points of the road section are clearly identified.

- ❑ Average speed control
- ❑ Centralized road status review
- ❑ Plate Recording for all Cars
- ❑ Record and check traffic statistics
- ❑ Special Vehicle Traffic Report

Red light control

Monitors red light violations across multiple lanes and travel directions – no need for road-embedded loops or piezo sensors. The system is directly connected to the control system of the traffic light and can process up to three configurable light groups from yellow and red phases – optionally for one or multiple lanes.

- Multiple red light violations in quick succession
- Dual digital cameras for lane-based photographic
- Stop line and when entering the danger zone
- All Incident Data in a Single File
- Combined red light and speed enforcement

Laser-Based Fixed Speed Enforcement

Monitors red light violations across multiple lanes and travel directions – no need for road-embedded loops or piezo sensors. The system is directly connected to the control system of the traffic light and can process up to three configurable light groups from yellow and red phases – optionally for one or multiple lanes.

- Laser-based speed enforcement without road-embedded equipment
- Flexible housing enables monitoring in one or two driving directions
- Installation on median or shoulder
- Dual cameras for optimum-focus photographic evidence
- Clear matching of violations in photographic evidence
- Color or black-and-white pictures
- Remote access for incident data transfer and system monitoring
- Automatic monitoring of calibration validity

Semi-stationary Speed Enforcement - Flexible and Autonomous

This offers a zero-demands solution which is not reliant on local infrastructure. It has its own power supply based on high-performance batteries.

- Easy to transport
- Convenient positioning due to its separate drive
- Conducts on-site measurements without the need for personnel
- Uses certified POLISCAN measurement technology
- Wireless data transmission and status monitoring
- Flexible Application
- Simple battery replacement during the measurement process
- Continuous functionality for up to 10 days
- Effective vandalism protection
- Rent and leasing potential

Fixed speed enforcement

Offers an economical alternative for measurement sites with fewer lanes. The housing is optimized for mounting a single measuring system from the latest generation of POLISCAN FM1.

- it is ideal for sites where space is limited such as on the sidewalk or at the roadside
- Installation height protects the system from vandalism
- multi-lane enforcement and a dynamic measuring method

Toll system for free-flowing traffic - ETC

toll system for free-flowing traffic with minimal infrastructure requirements. With its innovative system architecture and compact design, TOLLCHECKER FREEFLOW enables automatic toll calculations and toll enforcement across any number of lanes in either direction from a single gantry. No in-road equipment is required. The system has a modular design based on standardized sub-systems and is simple to configure. Not only does this speed up the commissioning process but it optimizes operating costs, for example by simplified maintenance work.

- Every lane from a single gantry
- Modular system design
- No in-road equipment required
- Automatic front and rear number plate recognition
- Automatic 3D vehicle classification
- Wide range of software for system monitoring and management

Intelligent traffic light systems

Smart traffic management is a system used to regulate city traffic. It uses sensors and traffic signals to monitor, control and respond to traffic conditions. These centrally managed sensors and traffic signals are found on the city's main roads.

- educe day-to-day congestion by improving traffic flow
- Prioritize traffic according to real-time changes in traffic conditions
- Reduce pollution by limiting traffic jams
- Prioritize buses entering intersections and use phasing lights to ensure to flow of buses through the city
- Improve traffic incident response time by creating a more effective system to monitor and manage traffic incidents

Smart infringement notification

Our only interest is in having fewer victims on our roads through encouraging safer driver behavior and targeting those who put us all at risk. If someone is stopped for a driving offence, rather than the officer having to hand write or print out the notice and give it to the motorist, the officer will instead be able to scan the person's details on their mobile phone and through the phone application that has been developed, they will be able to automatically record the offence into the system

- Certification status check online
- Examination crime and driving history
- Online car insurance review
- Online reviews of car and driver matching
- Approval or disqualification of driving
- online driver fines and sending message to the driver
- This application is built to work offline, which means it can be used across country, including areas with no mobile coverage.

Smart police APP software

It replaces paper-based forms including witness statements, fixed penalty notices and the traditional pocketbook with quicker, more accurate electronic versions. This reduction in bureaucracy, and the ability to do far more in the community without having to return to a police station and log onto a computer, means officers will be more visible and can patrol for longer.

- ❑ Map and online crash information
- ❑ Online and Crucial information and send to insurance
- ❑ Help and Traffic Status
- ❑ Position of other colleagues
- ❑ Online crime observation announcement
- ❑ Report on the exact performance of each officer during the mission
- ❑ Office Portable

Instant user report APP

Announce car theft in a few moments and without an administrative bureaucracy

- Declared missing car
- Vehicle Theft Report
- Report of theft of objects inside the vehicle
- Criminal car report

Police video surveillance system

Police should be out on the streets trying to prevent crime. CCTV cameras are just a less effective alternative to having police walk the streets. CCTV cameras are just there to give the public a false feeling of safety and are a less effective replacement for policing. They are the best help in monitoring traffic.

- PTZ and FIX Surveillance cameras
- Capable of operating in hot and cold climates
- Corrosion Resistant housing
- Accurate and fast multi-megapixel cameras
- Simulate the camera installation position
- Traffic control zone(Security - Pollution - Traffic – Temporary passage)

Traffic Monitoring System

Operators have full control of the cameras for effective roadway monitoring. When the operators detect an incident or congestion, they will alert motorists by displaying an advisory message on the City's Variable Message Signs (VMS) and, if necessary, they will inform Police Services of an event that requires Emergency Services response. The operators have the capability to block the cameras from external subscribers when Emergency Services are responding to an incident or if there is a risk of compromising someone's privacy.

- Intelligent monitoring software
- Smart archive of video and photos
- Wall projection monitors
- Control Room data Infrastructure
- Redundant facilities
- Scada monitoring
- Monitor the health, quality, settings, temperature, electricity and environmental conditions of all cameras
- Ergonomic control room implementation

Network infrastructure – IOT solution

Intelligent Transportation Systems (ITS) provide two valuable services: they keep drivers informed regarding conditions on the road ahead and help to track traffic congestion levels across huge freeway networks. Given the size and scope of most Intelligent Transportation Systems, it's absolutely vital to allow the capability to remotely manage networked traffic monitoring and reporting devices spread throughout the system.

- Implementation of fiber optic infrastructure
- Implementation of FTTX, PON, SDH networks
- Passive and active equipment
- Accurate calculations of bandwidth and distance
- Equipment and data center infrastructure
- Servers and storages design
- Cooling and ventilation
- Urban excavation and sheathing
- Network Security equipment

Perimeter Surveillance Radar

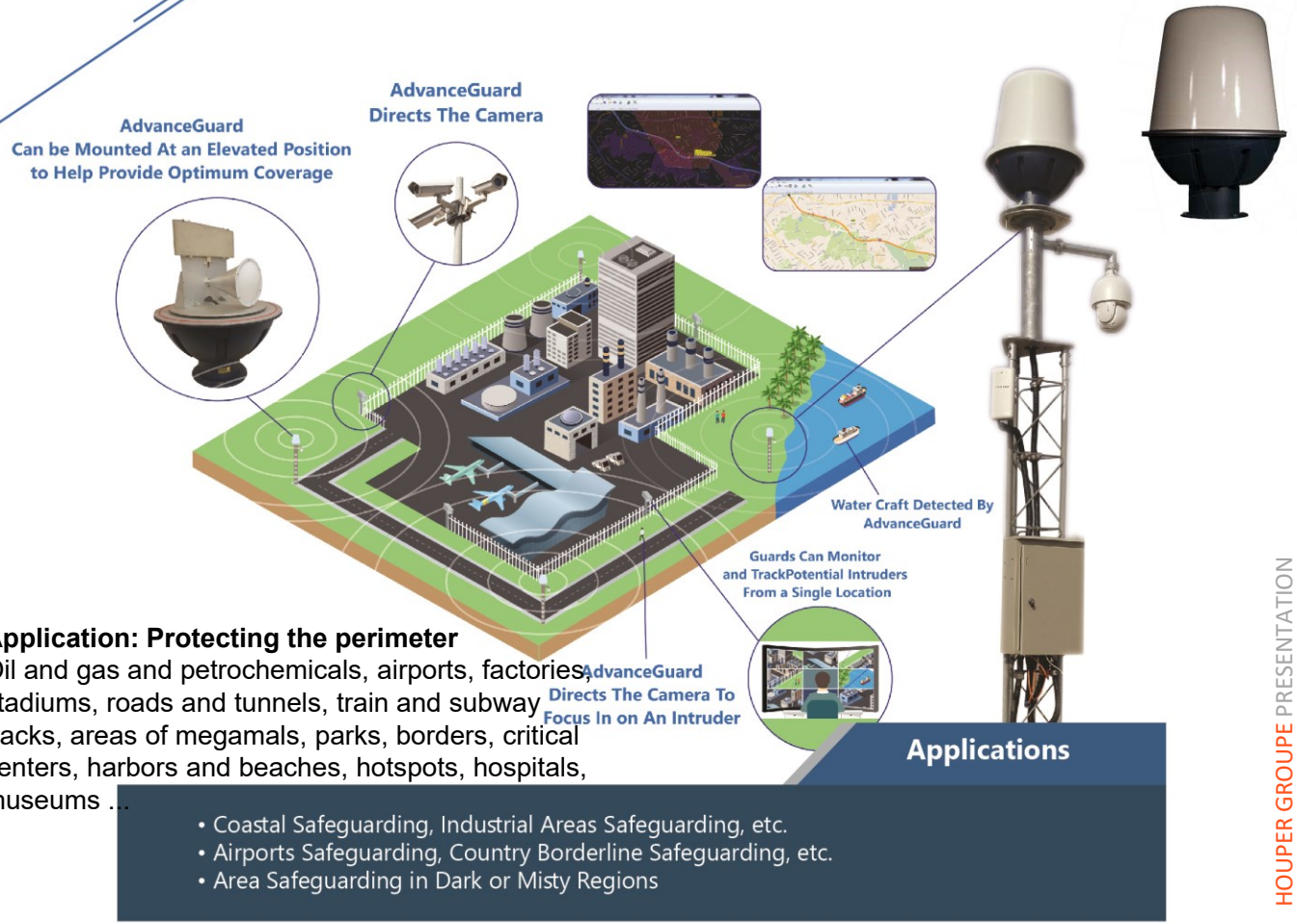
Perimeter surveillance radar is capable of being used in different weather circumstances through utilizing the cutting edge technology as well as locating different objectives in absolutely crowded and busy areas.

The radar has been restricted around 2000 meters. The equipment is able to detect and follow up all still, seated and lying objects in the restricted areas.

The radar can be installed on between 1.5 to 10 meters heights in accordance with the applica- tion and coverage area.

The advantages of the system:

Coverage capabilities up to 2000 m
Absolutely high sensibility Installable on the 1.5 up to 10 meters heights
Ability to detect the targets in software.
Low battery consumption
High software efficiency
Customizable software in accordance with user's requirements



Application: Protecting the perimeter

Oil and gas and petrochemicals, airports, factories, stadiums, roads and tunnels, train and subway tracks, areas of megamals, parks, borders, critical centers, harbors and beaches, hotspots, hospitals, museums ...

pLTE Network

pLTE network is a complete standalone LTE network partly compatible with release 14 of 3GPP specifications, and before.

Our pLTE EPC is comprised of MME, HSS, SPGW, IMS, and eMBMS Gateway;able to connect to any LTE eNodeBs including Houper's and establish a secure, customized, reliable network. By the power of various LTE authentication proce- dure, private LTE network can manage to authenticate its dedicated SIMcard inserted UEs (User Equipments) and therefor create a private and scalable coverage in any frequency band (LTE bands are preferred due to com- patibility with LTE Devices) for a specific geographical area; enabling various usages including telecommunication, telemonitoring, and teleoperation.

Features

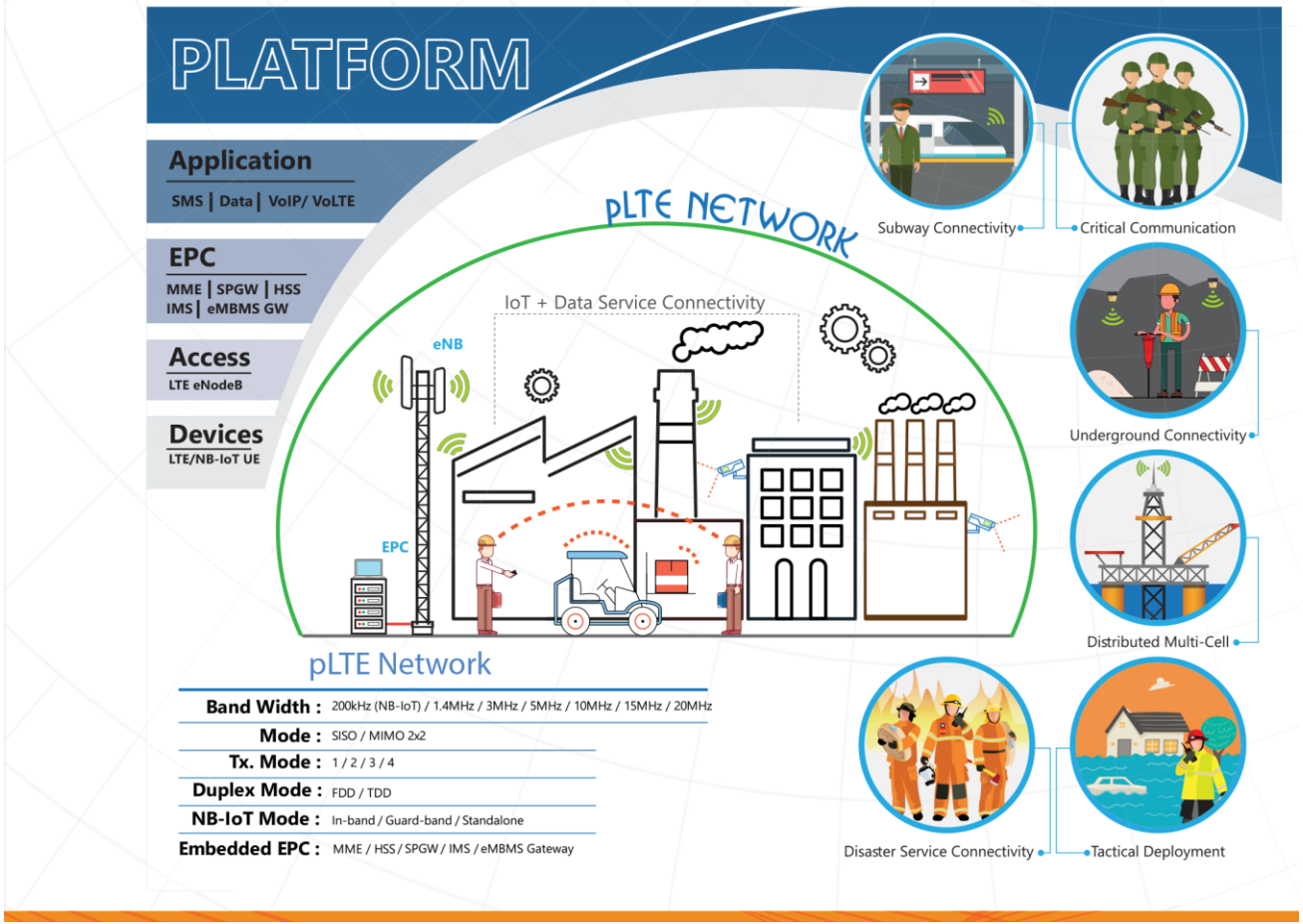
Accessible by dedicated SIMcards to manage the privacy and security

• Fully configrable network to classify accessibility and type of services for different groups of UEs • Compatible with all LTE Devices

• Compatible with other EPCs and eNodeBs

• Able to support VoLTE calls and SMS

• Able to support IoT with LTE-M and NB-IoT



Traffic police department

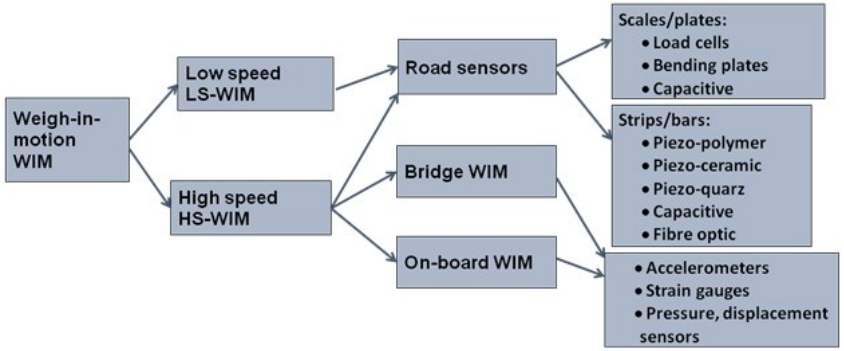
PTT over LTE and Trunk

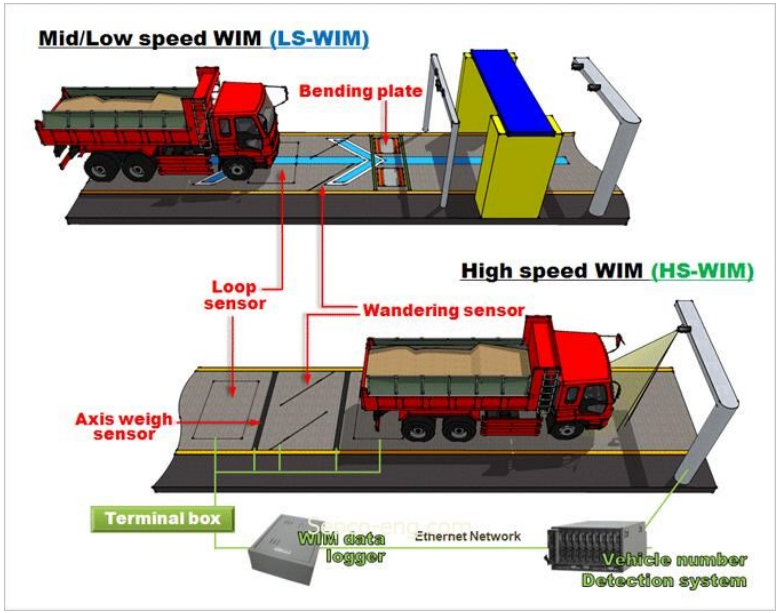
Over the last several years, the rollout of P25 standards-based solutions and ongoing advancements in new Land Mobile Radio (LMR) technologies has helped keep mission critical voice as the backbone for public safety communications. Many conventional and analog LMR systems are being upgraded to P25 LMR systems to provide increased interoperability, as well as to enhance coverage and capabilities.

- Immediate contact with a fraction of a second
- Group Contact & Conference
- Professional video services
- SOS, SMS, picture and video share, Video PTT
- IOS and Android support
- Smart watch support
- Location sharing
- Police Authentication - Original, Face, Fingerprint
- VOIP and SIM call support
- Impact resistant, heat, dust and water resistant
- Multi-channel connection at the same time
- Very high security
- Central monitoring

Weigh in motion

Weigh-in-motion or weighing-in-motion (WIM) devices are designed to capture and record the axle weights and gross vehicle weights as vehicles drive over a measurement site. Unlike static scales, WIM systems are capable of measuring vehicles traveling at a reduced or normal traffic speed and do not require the vehicle to come to a stop. This makes the weighing process more efficient, and, in the case of commercial vehicles, allows for trucks under the weight limit to bypass static scales or inspection.





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