Smart Fence

Integrated Security Solutions

REMCON®

Securing Critical Infrastructure & Assets Worldwide

Integrated Smart Fence

"Made in India Made for the World"

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About Us

Remcon Security: 100% Made in India Perimeter Intrusion Detection Systems.

Remcon Security is a pioneer in designing and manufacturing fully indigenous Integrated Perimeter Intrusion Detection Systems (PIDS), serving critical infrastructure, defence, Airports, Metros, industrial, Special Products for Residential & Commercial applications and high-security applications. Proudly "Made in India," Remcon's comprehensive solutions are engineered in-house for superior reliability, longevity, and seamless integration with minimum 10-15 years of operational life.

Our Products Include

1. Power Fence System
2. Taut Wire Systems
3. Optical-Fiber Based Fence
4. Smart Metal Fence
5. Smart Concertina
6. Decorative Glass Fence
7. IP Based Smart Security Lights
8. Integrated Security Console
9. Underground Sensors
10. Anti-Climb Fence
11. FRP Fence
12. QRT Systems

Why Remcon

- Designed & developed in India (100% Made in India)
- Remcon Sensor Comes with Life Time Warranty*
- IP 67 Rated
- Zero False Alarm
- Operational Life 10-15 Years
- Operating Temperature: -40°C to +80°C
- Solar Powered
- IP & SIM Communication
- Fully Integrated with Command & Control Center
- No External Power Required
- No External Network Connectivity Required

Services

- Consultancy, Survey, and Design
- Operation and Maintenance

R-Lite Series

The Remcon LITE Series is designed to bring Remcon's trusted perimeter security expertise into residential and light-commercial spaces. Built with simplicity, reliability, and affordability at its core, the LITE Series delivers professional-grade intrusion detection without the complexity of traditional security systems.

Smart. Simple. Secure.

The LITE Series offers a compact, easy-to-install solution ideal for homes, farmhouses, apartments, terraces, balconies, villas, small offices, and gated properties. With mechanical-sensor technology derived from Remcon's proven perimeter systems, LITE ensures accurate detection, zero false alarms, and long operational life, making it perfect for daily protection needs.

Applications

Residential Houses

Farmhouses

Private Offices

Commercial Buildings & Factories

R-CLOUD

R-Cloud

No need to install Server or Software.
Easy to use R-Cloud Services Via
Mobile Application or Computer.

Integration with R-Lite Series

Available Devices

Demo Test......
testdevice
mac
Testing
Demo test
testing_sms   DMRC-LC2
DMRC-LC2   DIT_LAB
DMRC-LC3
DIT_LAB

ACK ALARM   LOGS

REMCON Mobile Application

- CCTV camera view
- Gas leak sensor alarm
- Security Light status or alarm
- Window & Door open alarm
- Fence & Sensor alarm
- Fire Sensor alarm
- Panic Switch alarm

Lite Series Products

Smart Decorative Glass Fence

Smart Metal Fence

IP Based Security Light

Underground Sensors

R-Integrated Series (Enterprise)

Advanced Perimeter & Asset Protection for High-Security Infrastructure

The Remcon Integrated Series is engineered for enterprise-level, critical-infrastructure security where reliability, scalability, and real-time intelligence are essential. Designed for multi-location operations, the Integrated Series seamlessly connects diverse assets to a unified Central Command & Control Platform, enabling security teams to monitor, respond, and manage threats with unmatched precision.

Powered by Remcon's proven mechanical sensing technology, solar-enabled operation, and robust integration capabilities, the Integrated Series delivers **zero false alarms**, long operational life, and uninterrupted 24×7 protection—ideal for sensitive and large-scale environments.

Application

Metro & Railways

Airports

Industrial Complex & Refineries

Critical Government Buildings & Private Offices

Integrated Series Products

Taut Wire Fence

Power Fence

Optical Fiber Fence

Smart Concertina

Smart Anti-Climb Fence

Underground Sensors

QRT System

Smart FRP Fence

R-Defence Series

Battlefield-Grade Perimeter Protection for Harsh & Hostile Environments

The Remcon Defence Series is engineered for high-risk, mission-critical security deployments where reliability under extreme conditions is non-negotiable. Designed specifically for border security, forward bases, high-altitude terrains, coastal zones, and remote military installations, the Defence Series incorporates advanced sensing, rugged construction, and complete ecosystem integration to deliver uninterrupted protection in the harshest environments on earth. Products similar to Integrated series but Defence-Grade.

Built on the robust architecture of the Remcon Integrated Series, the Defence Series includes all enterprise-grade features—central command & control, CCTV integration, QRT dispatch, drone connectivity, private LTE networks—further reinforced by military-grade hardware and environmental immunity.

Applications

Border fencing & LAC/LOC deployments

Military bases & forward operating posts

Ammunition depots, airfields & radar stations

High-security installations

## Special Product Advantages for Harsh & Hostile Conditions

- The REMCON Defence Series is specifically built to withstand extreme operational environments typically encountered in defence deployments:
- High Vegetation Areas
- Mechanical sensing eliminates false alarms caused by dense foliage or moving branches.
- Snow-Prone Terrains
- Structural design and robust materials remain fully functional even under snow load and freezing temperatures.
- High-Rain & High-Humidity Zones
- All components are weatherproofed and corrosion-protected for long life cycles.
- Wide Temperature Tolerance –40°C to +80°C
- Immunity to Environmental Noise
- Mechanical detection technology offers zero false alarms, unaffected by wind, vibration, or electromagnetic interference.

Why Defence Forces Choose REMCON Defence Series

- Mechanical, Zero-False-Alarm Technology
- Detection is based on precise mechanical sensing—unmatched accuracy and reliability.
- Long Operational Life (10–15 Years)
- Sensors and structural elements are engineered for extended field performance with minimal maintenance.
- In-House Manufacturing & R&D. 100% Made in India.
- Ensures high-quality control, easy customization, and complete supply-chain security.
- Modular & Scalable Architecture
- Suitable for small tactical bases to large border perimeters.
- Rapid Deployment Capability
- Lightweight structural elements and smart concertina allow fast installation for urgent field deployments.

Integrated Command & Control Center
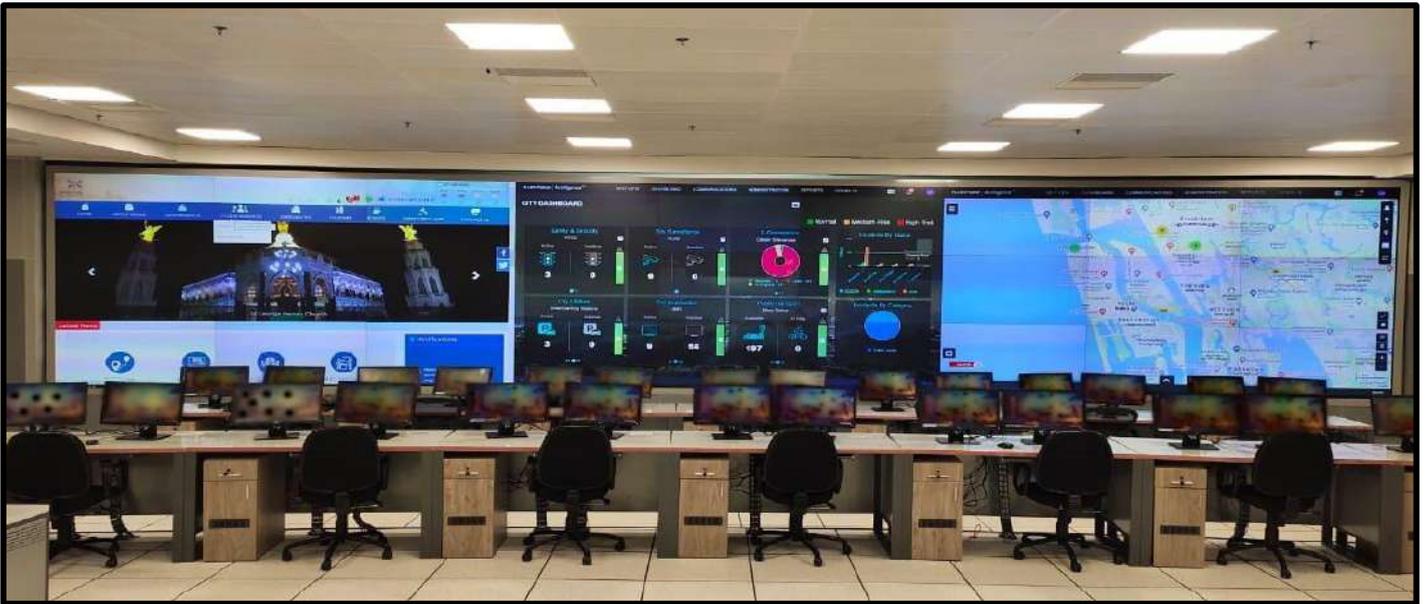
1. **Unified Monitoring Dashboard -** A single platform that displays real-time feeds from perimeter sensors, CCTV cameras, access control, alarms, drones, and field units—providing complete situational awareness.

2. **Multi-Location Management -** Monitor and control several geographically dispersed sites from one centralized Center, ensuring coordinated security across airports, metros, industries, and commercial parks.

3. **Real-Time Alerts & Event Prioritization -** Instant notification of intrusion attempts, sabotage, or system anomalies with automatic event categorization based on severity, enabling faster decision-making.

4. **CCTV Auto-Pop Integration -** Upon intrusion detection, the nearest CCTV camera view automatically opens on the operator screen, allowing quick visual verification.

5. **QRT (Quick Reaction Team) Dispatch Module -** Integrated mechanism to assign and track ground response teams, ensuring timely on-site interception and incident management.

6. **Map-Based Visualization -** GIS maps showing live asset locations, perimeter zones, patrol routes, and sensor health—ideal for large campuses and multi-site operations.

7. **Complete System Integration -** Supports integration with:

Access Control

Security Lights

Public Address Systems

Drones/UAVs

System Architecture

**PIDS/VMS/Alarm
Management Servers**

**Fully Functional
Mobile Client**

REMCON

■ DASHBOARD
○ ALARM HISTORY
● HELP CENTER
⊢ LOGOUT

**Hooter with
Strobe Light**

REMCON

**Emergency Announcement
& Communication**

E-mail

LAN/WAN
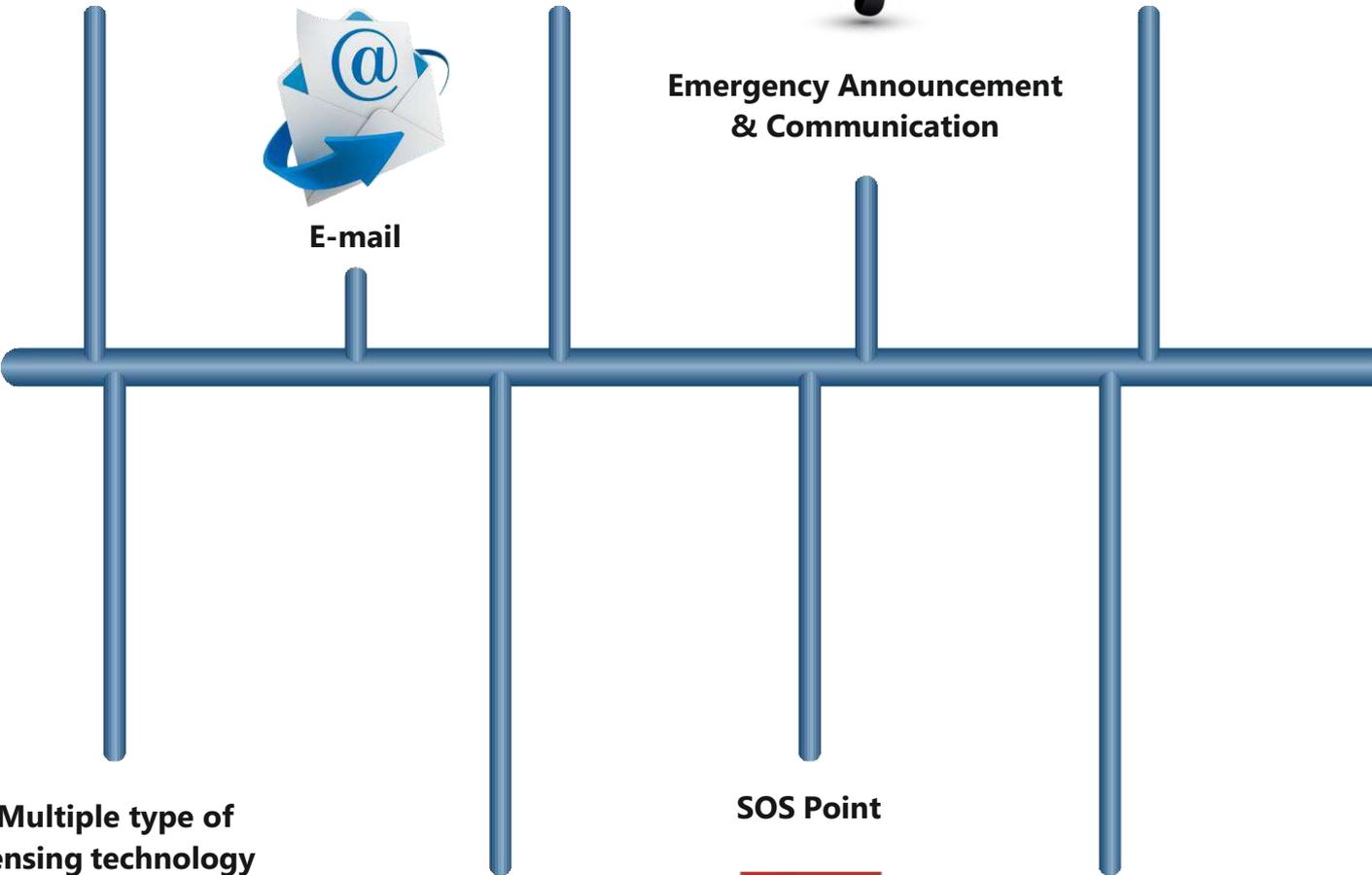
**Multiple type of
sensing technology**

**Integrated
Robot**

SOS Point

**Integrated
security console**

• Power Fence   • Wireless
• Sensor Fence   • Underground
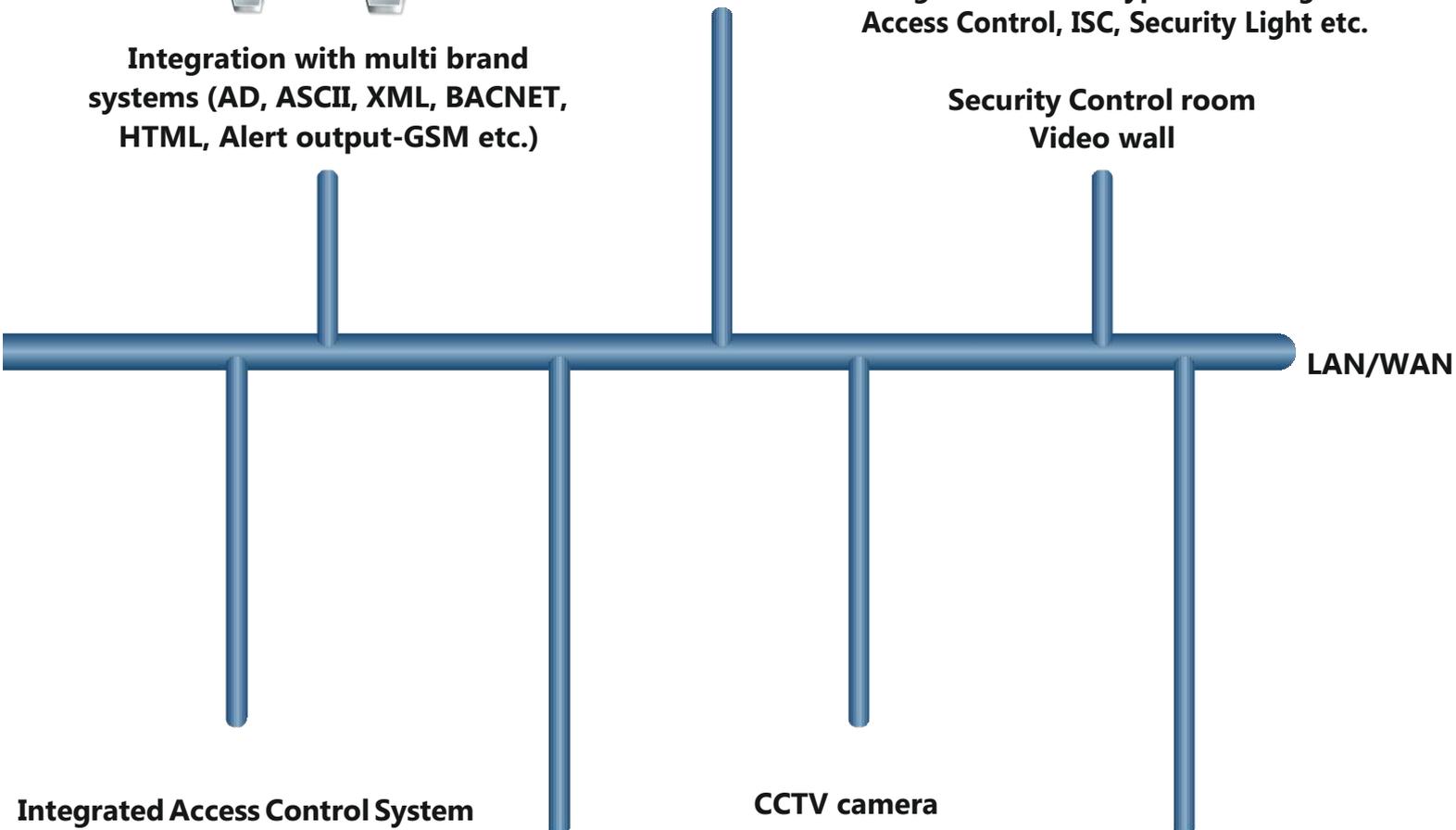• Optical Fiber • Underwater

Client (Multiple type)

security command and control center fully integrated with all type of fencing, CCTV, Access Control, ISC, Security Light etc.

Integration with multi brand systems (AD, ASCII, XML, BACNET, HTML, Alert output-GSM etc.)

Security Control room Video wall

LAN/WAN

Integrated Access Control System

Integrated Drone

CCTV camera with analytics

Security light Controlled by Mobile or Control room

Security Console

Integrated Security Console is the latest device that improves the efficiency of security persons. ISC integrates all devices on the field, easy to operate by a simple guard just by a few minutes of training. This unit will be a technology game changer and will replace computers for sensitive security areas. ISC directly communicates with the security control room. ISC has inbuilt hot redundancy to operate with 100% efficiency even when server or network fails. ISC will fully integrate with all existing security

- Custom configuration.
- Guard attendance monitoring in the Control room: Makes sure of guard presence at guarding point with reports. Hooter in case of the guard not present on guarding point.
- Security zone monitoring by guard without PC.
- Control security lights ON/OFF.
- Generate manual alarm.
- Master key for locking/uncloaking the console

- Acknowledge alarms strobe or hooter can be put to reset mode by guard in the field.
- Free mode for making all access points free in case of emergency (fire, earthquake, etc.).
- Operate access control, Barriers, Bollards, Road blockers, tire killers, turnstiles, etc. in a secured way.
- Outsiders or intruders cannot operate without training.
- Lockout mode of all connected devices just by one

switch operation for making all access points, Bollards, RFID, Road blockers, barriers, turnstiles, etc. in lock-out position in case of any intrusion or active shooter, etc.

- IP two-way video call to the security control room. Full-duplex inbuilt. (from guarding point to control room or control room to guarding point)
- Suitable for any hi security area like Defence, Airport, Port, Railways, Metro, and Buildings, etc. Where security cannot be compromised even at times

Models: REM-ISC-TBK Talkback unit with attendance reader.

REM-ISC-EXP Add on module.

REM-ISC-CUST Custom model available on request.

Specifications:

Processor: 32-bit Industrial Processor. Encrypted communications.

Firmware Flash

Communications: Built in TCP/IP- POE

Self-diagnostic features

Operating Temperature: -40 to +80 Degree, P- POE r. Encryption

Operating Humidity: 20 to 80% RH (non-condensing)

Power: 16.5 VAC 40VA transformer

Back-up Battery: 12V, 7AH lead acid or gel cell

Security Light

A low-voltage security lighting system comprising rugged LED luminaires and a reliable power supply. Mounted on fence posts, these lights are simple and quick to install and consume a fraction of the energy of traditional Security lighting. Can also be used in any lighting application where long wire runs are required (such as wooded paths and piers). Higher powered models are available for applications.

- Provides no-glare lighting of appropriate illuminance for security cameras and guards.
- All components protected from dust and moisture impervious to environmental damage.
- Dark-sky compliant - full-cutoff fixtures do not contribute to light pollution.

The REMCON LED Security Lighting System addresses a need that other lighting systems do not - an inexpensive, energy-efficient way to enhance visual security for extensive or remote property boundaries. It also fills the need for a portable lighting.

Benefits of REMCON Security Light

- Materials Saving: Up to 85% savings because these compact fixtures are priced to make every Security lighting project affordable.
- Low Labor & Maintenance: Up to 90% savings because fixtures and wire are mounted directly to the fence, no trenching or pole installation. Low maintenance.
- Energy Saving: Up to 80% savings because these energy-efficient LED

Features

- Installation: Suitable for Pole, Wall and indoor as required.
- Triple operation Mode: low, medium and bright illumination mode.
- Power:
    - i) 220-volt AC input.
    - ii) Solar Powered (Latest Monocrystalline Solar Panel)
- Extra Low power LED.
- Backup: up-to 8-12 hours battery backup (LiFePO4 latest technology) *
- Integration: Fully integrated with near-by security system and command control application.
- PIDS operation: Integrated with PIDS System, activate when the alarm is on the fence.
- Programmable: Scheduled ON/OFF.
- Both side illumination provides a complete view of the fence.
- Ingress protection: IP65 rated.
- Sensor-Based: Equipped with a motion sensor to save

Technical

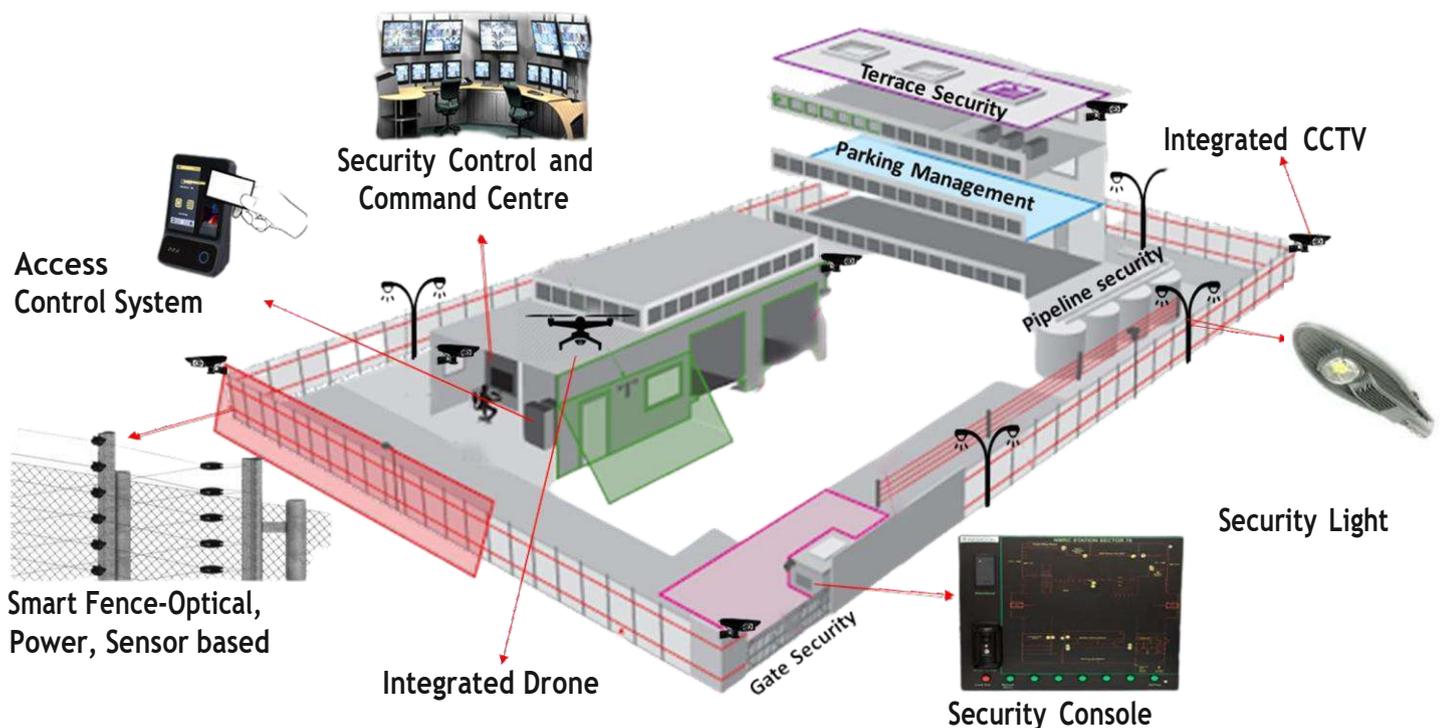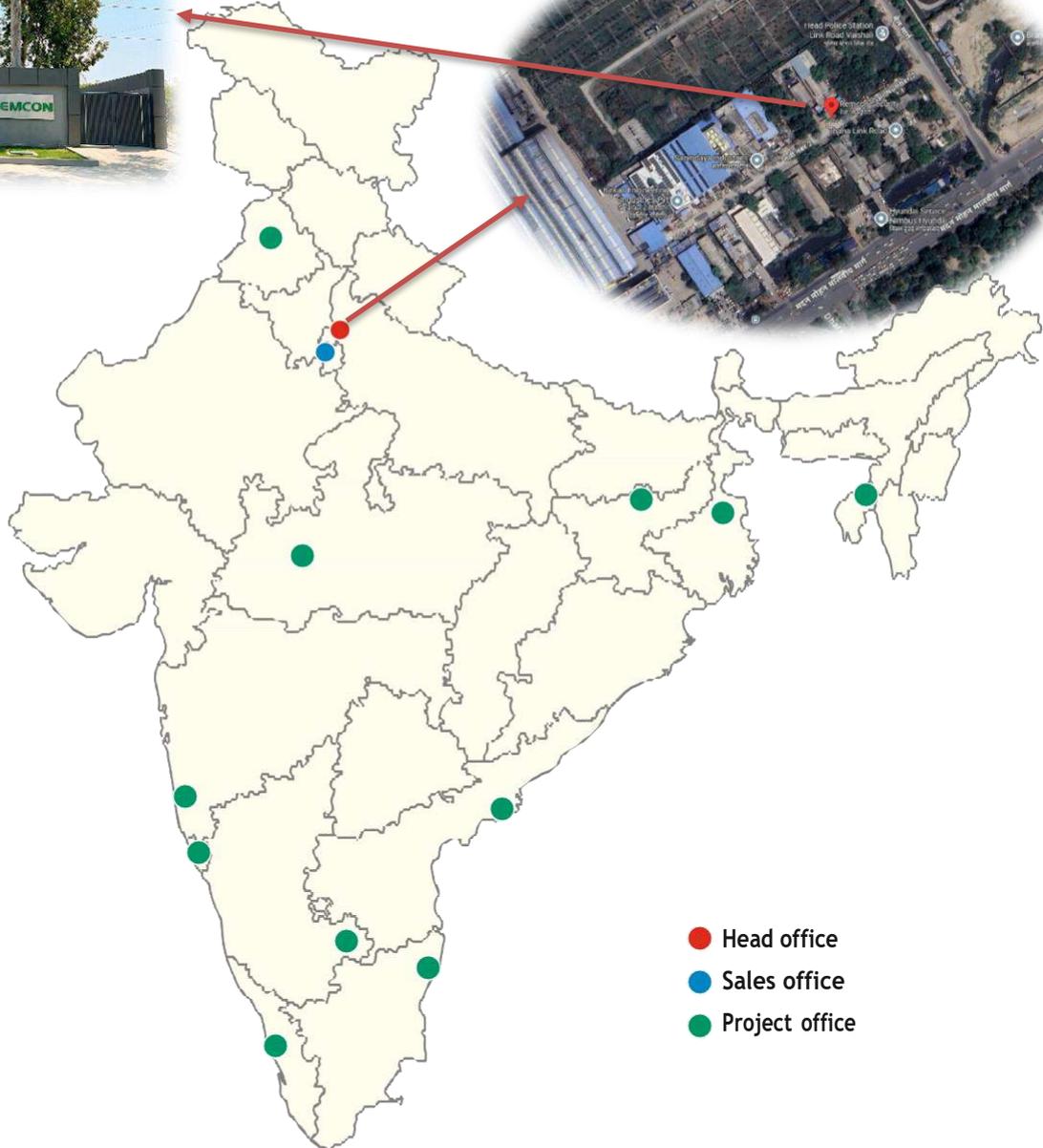|	
Type of LED :	COB
Power Supply:	Redundant
Lux (Per Side):	up-to 1000
Input Power:	220V-AC/Solar Power.
Current Draw:	30Watt max.
Scope:	3W to 200W
	(Indoor Modul Available)
Gross Weight:	
Ingress protection:	IP65.
Sensor:	Microwave
Application:	Defense, Industrial, Domestic and Corporate Offices.

Advanced Integrations

Drone

Drone Dock helps in uniquely managing security. Drone dock with an in-built camera that gives an aerial view of the entire perimeter or secured area in real-time. Drone dock can have a set tour alongside the perimeter or area to be secured. In case of alarm from any specific zone (triggered by Remcon smart fence system), drone can be directly sent to the precise coordinates of the zone of alarm, giving an aerial view of the point of alarm. Drone camera view of any alarm is linked to the alarm system display, providing instant visual verification to the operator. The video feed of the camera attached to the drone is given in the Security Control Room. This feed provides continuous, live situational awareness.

Typical Site Layout

*Note: - Life Time 5 Years to 10 Years Modul Warranty

● **Head office**
● **Sales office**
● **Project office**

Govt. Approvals

NSIC
ISO 9001 : 2008

Certifications & Approvals

ISO 9001:2015 CE FC

UL EUROPEAN NORM EN IEC 60335-2-76:2018
IEC 61000-3-2:2018
IEC 61000-3-3:2013

Registered Suppliers

DRDO GeM Government e Marketplace

Industry Association Member

CII Confederation of Indian Industry ASIS INTERNATIONAL APSA

ELCINA years of dedicated serv FSAI

Knowledge Forum - IPVM

Integrated Partners : -

RBH ACCESS 30 years

GVD GENIUS VISION DIGITAL

SKYLARK™ DRONES

Panasonic motadata Genetec

Manufacturing Plant:

Plot No. S-20, Near Thana Link Road,
Sahibabad,Ghaziabad (U.P) 201010
Tel. No.: 0120-4232539, 0120-4316210

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