RAXA

Techno Security Solutions

(A GMR Group Company)

Innovating the *Future of Security*

THE ONE STOP SHOP FOR
TECHNO SECURITY

WHO ARE WE!

Raxa, a pioneer in providing security services, with ISO 9001:2015, ISO 18788:2015, ISO 29993:2017 and ISO 45001:2018 certifications, is a GMR Group company. Raxa was established in the year 2005 to take care of the security of the assets of national importance that the Group has created. Since 2011 it has been providing services to other reputed external clients also.

Raxa's top leadership comprises retired officers from the Indian Police Service and the Defense Services, with rich experience in security.

More than providing premier guarding service, we take pride in being recognized as a Techno Security Solutions Company that can offer comprehensive technical and integrated security solutions, encompassing Access Control, CCTV surveillance, Fire Alarm & Public Address system, Perimeter Intrusion Detection System, Anti-sabotage and Anti-terrorism measures, Command & Control Centers, etc.

It has executed prestigious projects for several premier clients such as Bharat Heavy Electricals Ltd., Society for Cyberabad Security Council, Celebi, Defence Research and Development Organization, Nuclear Power Corporation of India Ltd. , Heavy Water Plant, Visakhapatnam Port Trust, among others.

Raxa has partnered with several well established as well as promising technology startups to provide specialized Technical Security and Safety Solutions such as drone based surveillance/monitoring, temperature detection and COVID related safety measures, a variety of advanced video analytics based solutions and also some highly specialized services.

We also offer end-to-end fire safety solutions, building management solutions and consultancy for designing and auditing security and safety systems. Raxa also provides Annual Maintenance Services for all the systems.

ABOUT GMR GROUP

AIRPORTS

ENERGY

TRANSPORTATION

SPECIAL INVESTMENT REGION

SERVICES

FOUNDATION

GMR Group is one of the fastest growing and leading infrastructure companies in India, with a rich and diverse experience spanning three decades and strong presence in Airports, Power, Highways, Railways and other Urban infrastructure.

Using the Public Private Partnership model, the Group has successfully leveraged its core strengths to implement several iconic infrastructure projects in India. With its vibrant portfolio of projects, GMR is uniquely placed to build state of the art projects in sectors that are of critical importance in the process of nation building.

The Group runs the Indira Gandhi International Airport at New Delhi and Rajiv Gandhi International Airport at Hyderabad and is constructing two more airports at Mopa (Goa) and Visakhapatnam. It also runs the Cebu International Airport in Philippines, in partnership with Megawide Construction Corporation and will shortly be constructing an airport at Crete island in Greece. Apart from airports, the Group has power plants with more

than 3000 MW operating capacity and also has a big presence in Urban Infrastructure development.

Outsourcing of services to achieve efficiency and economy in operations with an overall objective of adding value to business is a strategy that is being pursued by many organisations across the world. Realizing the growing need to achieve this objective, GMR Services Business has been formed to offer under its umbrella a bouquet of services to diverse organisations, albeit with a special focus on airports.

With the objective of building world class industrial infrastructure in India, GMR Group is setting up a 850 hectare SIR at Krishnagiri near Hosur, Tamil Nadu. It is strategically located just 45 mins from Electronic City, Bangalore and is within the Influence zone of the Chennai–Banaglore Industrial Corridor. This location provides a unique advantage of multi – modal connectivity with National and State Highways and railway line running alongside.

TECHNICAL SOLUTIONS AND SERVICES WE OFFER

PROCESS AUTOMATION AND INTEGRATION OF EXISTING STANDALONE SYSTEMS

- Integrated Physical Security, Entrance Automation and Access Control with Biometrics/RFID etc.
- Automatic Identification and Data Capturing Systems
- Video Analytics based CCTV Surveillance
- Fire Alarm & Public Address Systems
- Building Management Systems (Smart Building Solutions)
- Establishment of Command & Control Centres
- Screening Systems for persons, materials and vehicles
- Smart Parking Management with FASTag & ANPR
- Explosive Detection Systems

SECURITY SOLUTIONS & SERVICES

- Smart Premises Security-Video Analytics, Remote Monitoring & Investigation
- Geo-spatial and Remote surveillance solution
- Security as a Service(SaaS)
- Mantech Based Optimal Security & Operations Solutions.
- Integrated Command Control Centre Solutions

SMART BUILDING SOLUTIONS

Our Intelligent Building Management System is designed to provide insights on how to improve and control the buildings' efficiency and productivity using the Core Software. It integrates and controls the below systems:

- Security & Surveillance
- Fire detection
- Access Control
- HVAC systems
- Elevators
- Public Address System
- Parking Management
- Energy Management

INTRUSION DETECTION SYSTEMS

- Multiple Solutions for active perimeter security including electrical, MW, optical fibre, magnetic & IR based sensors.

- The multi-sensor enabled intrusion detection system creates end-to-end encrypted solution which is capable of distinguishing between intrusion by human and animal. Besides ground intrusion detection, the solution includes detection of Drones.
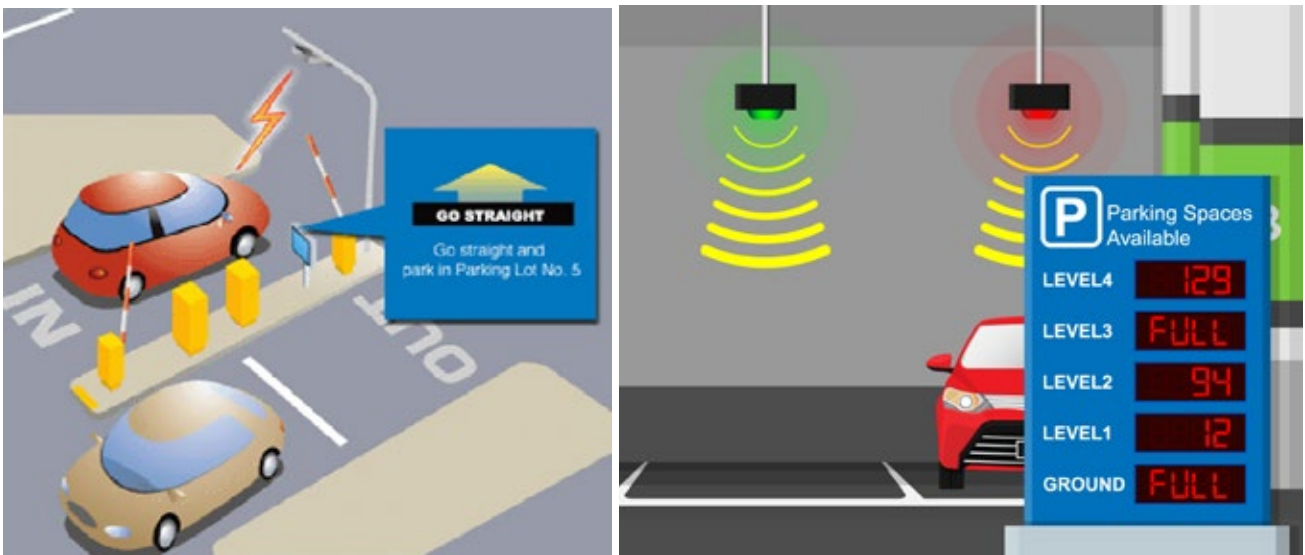
KEY FEATURES OF SOME SOLUTIONS

INTEGRATED PHYSICAL SECURITY & ENTRANCE AUTOMATION

- Personal Scanning through DFMD and Mass Screening with recording & counting.
- X-Ray Baggage Scanner for bags and packages.
- Boom Barrier for entrance control of vehicles with ANPR and FASTag Based Solution.
- Under Vehicle Surveillance System.
- Hydraulic Bollards, Road Blockers, Tyre Killers to restrict forced entry or exit.
- Perimeter Intrusion Detection System

SMART PARKING MANAGEMENT

- Allows only the authorized vehicles into the premises
- Fast, Accurate and Automatic Occupancy & settlement provisions.
- Enables full control of inventory and location for vehicles in the facility.
- Gives automatic notification when vehicle enters or leaves the parking lot.
- Initiates an alarm when an unauthorized vehicle enters or leaves the slot.
- RFID, FASTAG, ANPR based Operations.
- EPOS to generate the parking revenues.

INTEGRATED ACCESS CONTROL SYSTEM

- Authorized persons & vehicles are allowed to enter the premises
- Barriers, Sliding Doors, Turnstiles and EM lock to permit/restrict entry
- Time attendance is recorded
- Visitor management can be configured with standard features & visitors can be given QR based visitor gate pass
- Customized Solution Integration like canteen management, library management, vending machines etc.

VIDEO ANALYTICS BASED CCTV SURVEILLANCE

- All the processing areas shall be monitored 24x7 along with analytics, alerting on exceptions
- Analytical features include Left Object removal, People & Material counting, Video based Incident Report, Tamper Detection, Motion Detection, Loitering, Cross Line Detections, Fire Detection, Wrong Direction etc. as per specific needs.

INTEGRATED SECURITY SOLUTIONS WITH OPTIMIZED MANPOWER USING TECHNOLOGY

As the world moves towards higher levels of technological solutions through IoT, AI, Machine Learning, Robotics, Drone Technology etc., the traditional methods of securing any place mostly using an arbitrary number of security guards, to physically regulate the access to the premises or keep surveillance over the place, no longer hold good. What human beings cannot perceive, assimilate and analyze at micro and macro level, the machines can do.

While replacement of the security manpower in organizations with Techno – Security Solutions made immense sense in the last four to five years, the COVID – 19 pandemic brought it to the centre stage and clearly demonstrated how fallible the security of any organization can be, with over dependence on manpower based security.

It may not be possible to completely eliminate physical security guards. The answer lies in putting in place an integrated security system with the right mix of appropriate technology and technically capable security personnel (MANTECH).

- Techno – Security Solutions will provide cost effective security that will minimize human errors, help in remotely monitoring the security and support business continuity, with promising operational efficiency and productivity.

- With Techno – Security Solutions, responses can be carried out at record speed as well as behind the scenes. The reports make it easier to analyze a wealth of information and ensure that the 'who, what, where, when and how' of an incident are completely recorded.

- Technology now makes it possible to monitor who's active and who's not from a central point of command, providing an unprecedented level of visibility and efficiency, so that organizations only need to follow up with exceptions.

- Advanced analytics not only enable an organization to take proper preventive and corrective action, but also aid in making better decisions about where resources are needed most and how they can be most effectively used.

- These are only a few illustrations of what technology can do in the area of security and there is a lot more that can be achieved with the right technology and a capable Techno – Security Solutions provider.

RAXA'S VALUE PROPOSITION AS A TECHNO – SECURITY SOLUTIONS PROVIDER

Raxa can offer Technical Security Solutions that will replace the existing manpower to a significant extent. While all the technological benefits listed earlier will automatically accrue because of such introduction of technology, organizations can have the additional benefit of reduced cost on manpower.

The following is the proposed offering of Raxa:

1. Raxa will do a complete survey of location and identify the positions where manpower can be replaced with technology.

2. Raxa will install the required technical equipment at its own cost with OPEX & rental offering.

3. The company may continue to pay the existing overall cost towards security to Raxa. Depending on the extent of manpower reduction, Raxa may give a discount on the existing manpower cost.

4. Reduced manpower does not compromise security, rather technology complements and strengthens Security. The ROI benefit includes future savings by eliminating cost increase due to minimum wage escalations.

5. Raxa will be governed by service level based obligations and not simply by a manpower based security contract.

6. Overall enhanced security with better control and technical outlook at reduced cost.

SPECIAL SOLUTIONS

MISINFORMATION AND DISINFORMATION HANDLING SOLUTION

In today's digital world **misinformation and disinformation** causes a lot of harm to governments and corporates alike. While rumours, based on disinformation/misinformation on digital media, spread like wild fire and can lead to serious public order issues, they can **cause enormous damage** to **financial and reputation standing** of any company. The harmful content/half truths/fake news available in the online media may create a havoc for any organization or individual.

Multiple methods are deployed to cause damage to Governments or Corporates and individuals through misinformation/ disinformation. Late interventions don't adequately limit harm and there is risk of backfire effect. What is needed **is proactive and early detection of such information** and the source of the same.

Our AI and deep learning based solution goes much beyond simple **checking of facts** to identification of the clusters where the information is spreading, the **source of the misinformation**, and even **generation of confidential information about the source**.

In partnership with
Logically.

INTEGRATED COMMAND AND CONTROL CENTRE SOLUTION

Our Command and Control Solution comes with a proven robust technology and ease of operation with features that are far superior than any of the conventional Command & Control Centre solutions.

It seamlessly integrates technology, procedures, and personnel into one command and control center, enabling user to effectively manage all security operations from one screen.

The system gathers information from several sources to manage incident(s) and provide situational awareness effectively in the least possible time. The System is flexible and based on an open architecture with advanced algorithms for connecting third-party Systems and components. It employs a highly advanced user-friendly interface, together with a rich set of apps for mobile devices, all securely managed.

FULLY CUSTOMIZABLE DESIGN

In partnership with
Various renowned
**National &
International**
companies

SPECIALIZED OPTRONIC SURVEILLANCE SOLUTIONS

In partnership with

exavision
La vision de l'extrême

The **specialized** optronic surveillance solutions include a **wide range of day/ night cameras, cooled and uncooled infrared cameras**, automated pan & tilt turrets, for fixed and mobile systems.

Unlike various other surveillance solutions available in the market, we provide rugged cameras capable of **withstanding extended temperature range**, and **high pressure** and having **surveillance range upto 21 km**, apart from cameras for short and medium distance surveillance.

The solutions are open to integration by a third party and can be used as turn-key and ready-to-use smart stand-alone multi-sensor products.
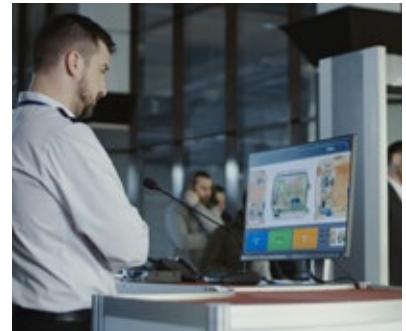
SCREENING SOLUTIONS

In partnership with

WESTMINSTER
GROUP PLC

Effective Container Screening is an integral part of port security function. We install, maintain and provide training on X-Ray Container screening system for Sea Ports.

In addition, we also provide **Cargo Screening Systems** with a range of X-Ray scanners designed for large cargo and palletized goods. Our Screening Solutions also provide **mass screening of people** for explosives and weapons at airports/railway stations/malls/big office complexes, with productivity in terms of processing far exceeding the conventional DFMDs/HHMDs with different levels of X-Ray penetration.

DRONE BASED SERVICES

Our drone operations meet the latest specifications of DGCA and we employ a pool of highly trained pilots to provide a variety of drone based services.

Following are some of the services we offer:

1. Monitoring of Law & Order situations and aerial surveillance for suspects
2. Surveillance of forests
3. Surveillance of assets under construction
4. Earthworks and pipeline management
5. Asset maintenance & Health check
6. Volumetric Analysis of stocks
7. Aerial Survey, Perimeter Monitoring & Validation

In partnership with

Various renowned **National & International** companies

OTHER SOLUTIONS

OUTDOOR ACCESS MANAGEMENT SOLUTIONS

The Outdoor Access Management Solutions are based on **keyless digital locks designed to meet harsh environmental conditions.** They provide **real-time access control with easy to use mobile phone applications**. The system is secured by **high level of cybersecurity protocols**. The Outdoor Access Management Solutions use digital locks, which can **be integrated with CCTV cameras, Perimeter Intrusion Detection Systems (PIDS), Visual Motion Detection System, GPS etc**.They are highly useful for **Tankers, Logistics, Outdoor Assets, Retail, NBFCs, Banks, Jails, Rehabilitation Centre, Ports etc**.

Advantages:

- Anti-Vandalism and Pick Resistant
- No Infrastructure – No Power – No Communication Set up
- Highly reliable with low maintenance
- Keyless Management
- Maximum Data Security
- Real Time Access Management System

CUSTOMISED TACTICAL SOLUTION

Every Client is different and has different requirements for even standard operations as well. Product based fitments mean compromising on operations or changes as per the equipment. Instead, we offer solutions designed to meet your operational requirement, organisational dynamics and management perspectives.
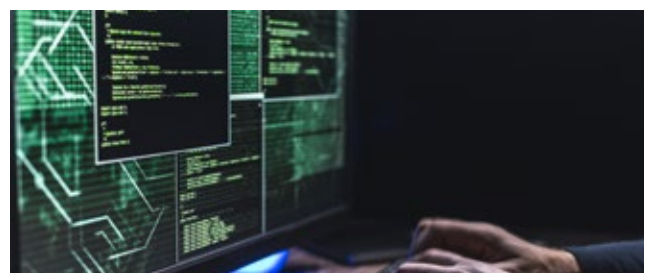
- In-depth survey, threat analysis & operations evaluation
- Customised solution conceptualisation & designing
- Designing of solution based on IOT / ITES / Sensors / BLE / SBC / ESS
- Customised applications, monitoring dashboards & SOP scripting
- Strong technical tie-ups & capabilities for customized automation & integration
- Solutions based on Technology, Manpower & SOPs

INFORMATION SECURITY AND THREAT MANAGEMENT SOLUTIONS

While physical security continues to be important for all organizations, Cyber Security has become a major concern in the light of increasing threats to the Digitally connected assets of the organizations. According to a highly reliable report, Cyber Crimes in India caused ₹ 1.25 lakh crore loss last year.

In order to provide the needed protection to our esteemed clients in the cyber world also, Raxa has now established a dedicated Cyber Security division to provide the following cyber services.

- Audit of IT Systems
- VM & PT Services
- Cyber Threats Investigation
- Digital Forensic Services
- Enterprise Security Awareness Training
- Mobile Cyber Risk Management
- Online Reputation Management

CLIENTELE

⊗RAXA

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