

Welcome



RZM CONTRACTS
INDIA PVT LTD
Delivering Excellence...

RZM CONTRACTS Pvt Ltd, founded in 2024, began with expertise in ELV Systems and Electrical Contract work, progressively expanding to become a leader in **MEP contracts** and services. Known for high-quality installations and service standards, RZM now handles comprehensive contracts across various sectors, including **MEP, ELV, IT Infrastructure, Building Materials, HVAC, Interior Design, Automation Systems, Perimeter Protection, Entry Automation, Fire Protection, and Civil Works**.

RZM offers personalized design and installation services tailored to each client's unique specifications. Whether clients have a pre-defined brief or need a full design and build solution, RZM provides expert, innovative solutions.

With an emphasis on quality, commitment, safety, and timely project completion, RZM has established a reputation for **reliability and responsiveness**. Our firm has consistently achieved steady growth and continues to uphold high standards, meeting the needs of a growing clientele nationwide.

Customer Support: Headquartered in Bengaluru, with service centers in Delhi, Mumbai, Pune, Ahmedabad, Hyderabad, and Chennai, RZM supports clients with expertise in Network Security, LAN/WAN configurations, Custom Software Development, Cloud Services, Hosting, Hardware and Software Procurement, and Systems Support. Our team provides state-of-the-art technology and services, backed by a commitment to genuine relationships and excellent customer care.

Our Departments:

- ✓ CCTV Surveillance Security System
- ✓ Access Control /Biometric / Attendance System / Visitor Management
- ✓ Firefighting & Fire Alarm Department
- ✓ Networks Department
- ✓ Security Department
- ✓ Public Addressing Department
- ✓ Software Department
- ✓ Sales Department
- ✓ Building Management Systems
- ✓ Solar Energy
- ✓ UPS and Electricity solutions, Etc.....

ELV SYSTEMS

We have a team of electronic and electrical engineers, technicians who give our client extra voltage services. Also, we have OEM trained team who executes various national and international brands.

MEP, ELV, IT Infra, Building materials, HVAC, Interior, Automation Systems, Perimeter Protection, Entry Automation, Fire Protection, Civil, Etc

CCTV SURVEILLANCE SYSTEM



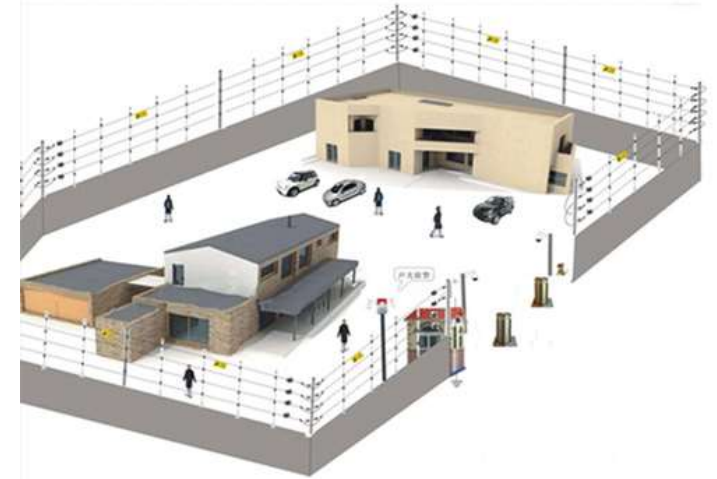
- ✓ IP based surveillance system
- ✓ Analog system
- ✓ Remote monitoring
- ✓ Hybrid Video Systems
- ✓ Video Analytics
- ✓ Digital Video Recorders (DVRs)
- ✓ Network Video Recorders (NVRs)
- ✓ Cloud-Based Surveillance
- ✓ Thermal Imaging Systems
- ✓ Access Control Integration
- ✓ Monitors
- ✓ Cabling works

ACCESS CONTROL SYSTEM



- ✓ Biometric Systems
- ✓ Card Access Systems
- ✓ Keypad Entry Systems
- ✓ Remote Access Solutions
- ✓ Visitor Management Systems
- ✓ Integrated Security Management
- ✓ Access control station
- ✓ Electronic Locks
- ✓ Gate Entry Systems
- ✓ Intercom Systems
- ✓ Identity Verification Solutions
- ✓ Integration of data in networks
- ✓ Access cards
- ✓ Cabling

PERIMETER PROTECTION SYSTEM



- ✓ Fence Mounted Security Systems
- ✓ Infrared Beam Sensors
- ✓ Microwave Barrier Systems
- ✓ Ground Loop Detection Systems
- ✓ Vibration Detection Systems
- ✓ Thermal Imaging Cameras
- ✓ CCTV Integration
- ✓ Electronic Gates and Barriers
- ✓ Video Analytics for Intrusion Detection

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FAS system

- ✓ Addressable fire alarm system
- ✓ Conventional fire alarm system
- ✓ VESDA system
- ✓ Open-area Smoke Imaging Detection (OSID)
- ✓ Cabling works



Networking

- ✓ Structure cabling
- ✓ Outlets
- ✓ Racks
- ✓ Patch panel
- ✓ Switches
- ✓ Routers
- ✓ Heat map
- ✓ Optical fiber system
- ✓ Termination of optical fiber cables



Telephone system

- ✓ Cabling works
- ✓ EPABX
- ✓ IP based call center
- ✓ IP based structure cabling
- ✓ IP based socket outlets
- ✓ IP based instrument



VOICE EVACUATION SYSTEM / PA SYSTEM

- ✓ Voice Alarm Systems
- ✓ Public Address Integration
- ✓ Emergency Communication Systems
- ✓ Mass Notification Systems
- ✓ Voice Activated Alerts
- ✓ Customizable Message Broadcasting
- ✓ Zoned Evacuation Control
- ✓ Sound Reinforcement Systems
- ✓ Evacuation Route Guidance
- ✓ System Monitoring and Diagnostics
- ✓ Digital PA system
- ✓ Analog PA system
- ✓ Integration with FAS system
- ✓ Cabling works



INTRUSION DETECTION SYSTEM

- ✓ Motion Detectors
- ✓ Glass Break Sensors
- ✓ Door and Window Sensors
- ✓ Shock Sensors
- ✓ Environmental Sensors
- ✓ Surveillance Camera Integration
- ✓ Alarm Systems
- ✓ Central Monitoring Services
- ✓ Smart Home Integration
- ✓ Real-Time Alerts and Notifications



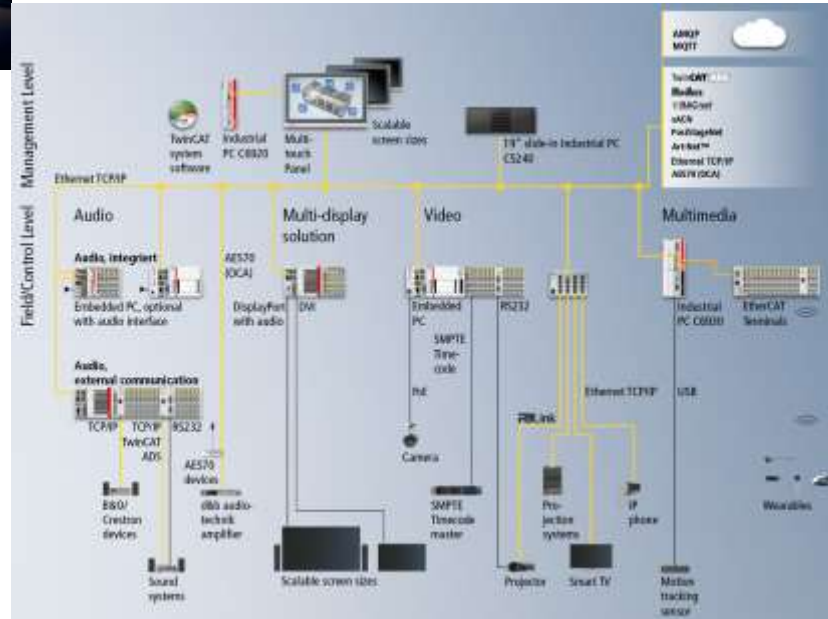
PARKING MANAGEMENT SYSTEM

- ✓ Automated Parking Guidance
- ✓ License Plate Recognition Systems
- ✓ Vehicle Counting Sensors
- ✓ Barrier Gate Controls
- ✓ Payment and Ticketing Systems
- ✓ CCTV Surveillance Integration
- ✓ LED Signage for Real-Time Information
- ✓ Mobile App Integration for User Convenience
- ✓ Access Control for Restricted Areas
- ✓ Data Analytics for Traffic and Usage Patterns



SMART HOME

- ✓ Automated Lighting Control
- ✓ Climate Control Systems
- ✓ Smart Security Systems
- ✓ Voice-Activated Assistants
- ✓ Home Entertainment Integration
- ✓ Intelligent Appliance Management
- ✓ Energy Management Solutions
- ✓ Remote Access and Monitoring
- ✓ Customizable Scenes and Routines
- ✓ Integration with Wearable Technology



AV CONTROL

- ✓ Lighting Control Solutions
- ✓ Shading Control Solutions
- ✓ Climate Control Solutions
- ✓ Video Control Solutions
- ✓ Audio Control Solutions
- ✓ Security Control Solutions
- ✓ Presentation Control Solutions
- ✓ Educational Control Solutions



VISUAL SYSTEMS

- ✓ Data, Video, and Graphics Presentation Systems
- ✓ Video Wall Solutions
- ✓ Control Room Display Systems
- ✓ Commercial and Public Displays
- ✓ Digital Signage Solutions
- ✓ Retractable Monitors
- ✓ Video Conferencing and Distance Learning Solutions
- ✓ Media Distribution Systems
- ✓ Video Processing Solutions
- ✓ Projection Systems
- ✓ Digital Cinema Systems
- ✓ Digital Podiums



KEY MANAGEMENT SYSTEM

- ✓ Electronic Key Cabinets
- ✓ Key Tracking Software
- ✓ Biometric Access Control for Key Cabinets
- ✓ RFID Key Management
- ✓ Automated Key Dispensing
- ✓ Centralized Management Dashboards
- ✓ Mobile Access and Alerts
- ✓ Audit Trails and Reporting
- ✓ Integration with Existing Security Systems
- ✓ Customizable User Access Levels

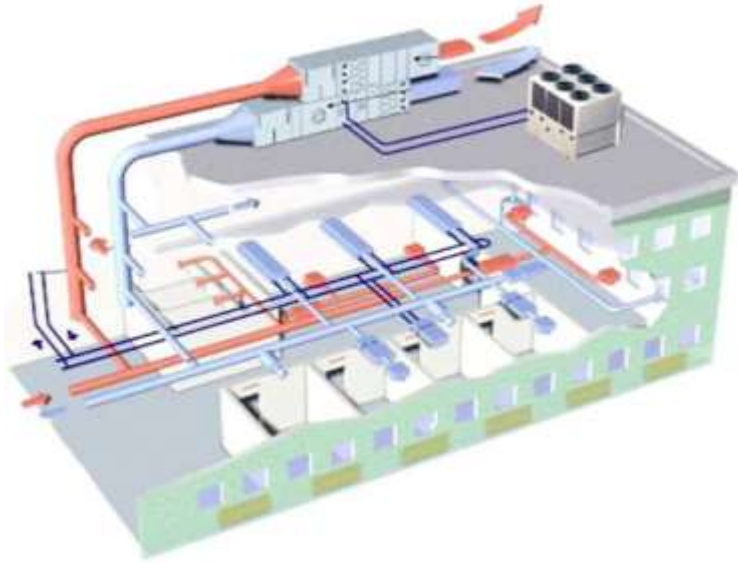


Fire Safety Audit

- ✓ We have been approved as 'Fire and Life Safety Auditor', by Karnataka Fire Services.
- ✓ We study existing firefighting system and try to find & rectify discrepancy if any, in existing system as per latest fire authority norms with their national & international codes.
- ✓ We always check both active and passive fire protection system available at site.
- ✓ Preparation of fire safety audit report which gives cost effective upgradation of systems without diluting fire authority requirement.
- ✓ We ensure document loss control measures.
- ✓ Training and mock up drill conducted at site.
- ✓ We offer robust maintenance schedule.

Product range include a wide spectrum of ICT solutions:

- ✓ Networking – Wired and Wi-Fi
- ✓ Personal and Business Computer Systems
- ✓ Laptops & Tablets
- ✓ Printers & 3D Printers
- ✓ Office Equipment – Copiers, Shredders, Laminating Equipment
- ✓ PBX and Telco Hardware
- ✓ Projectors and Presentation Equipment
- ✓ Monitors and LCD TVs
- ✓ Servers, Data Center Equipment
- ✓ Routers, Switches, Rack Cabinets



HVAC SYSTEM

- ✓ Prelude to HVAC
- ✓ Basic Components of Air-Conditioning and Refrigeration machines
- ✓ Classification of Air-Conditioning System
- ✓ Categories of Air Conditioning
- ✓ Study of Psychometric Charts
- ✓ Load Calculation.
- ✓ Air Distribution System
- ✓ Static Pressure Calculation
- ✓ Hydronic System
- ✓ VRF/VRV System
- ✓ Air Conditioning Concepts
- ✓ Ventilation systems
- ✓ Fire Protection (Awareness)
- ✓ HVAC software's
- ✓ Improving Employability Skills



TURNKEY INTERIOR FIT-OUT

- ✓ **Design and Planning:**
- ✓ Project Management
- ✓ Construction and Installation
- ✓ Custom Joinery and Furniture
- ✓ Quality Assurance and Handover
- ✓ Interior Fit outs
- ✓ Civil / Carpentry
- ✓ POP
- ✓ Facade



Solar Panel Electric Power Systems

- ✓ Photovoltaic (PV) Panels
- ✓ Inverters
- ✓ Mounting and Racking Systems
- ✓ Battery Storage
- ✓ Charge Controllers
- ✓ Monitoring and Control Systems
- ✓ Hybrid Systems



Civil work / Maintenance

- ✓ Structural Repairs
- ✓ Waterproofing and Sealing
- ✓ Flooring and Paving Maintenance
- ✓ Painting and Surface Treatment
- ✓ Electrical and Plumbing Maintenance
- ✓ Masonry and Carpentry
- ✓ Exterior Maintenance
- ✓ Road and Drainage Maintenance



ELECTRICAL

- ✓ General
- ✓ Codes & Standards to be followed
- ✓ Electrical equipment's and its application used in the installation
- ✓ Means of electrical distribution for installation
- ✓ Major electrical loads used in the installation
- ✓ Electrical design calculations
- ✓ Various design stages & Sequence of electrical design procedure



PLUMBING

- ✓ Plumbing Systems
- ✓ Design of Domestic Water Supply and Distribution System
- ✓ Design of Sanitary Drainage System
- ✓ Drawings – Plumbing Layouts
- ✓ The Other aspects
- ✓ Employability Skills Improving

DATA CENTER SYSTEMS

DESIGN, ARCHITECTURE, STRUCTURE & OPERATIONS

Data center architecture is the physical and logical layout of the resources and equipment within a data center facility.

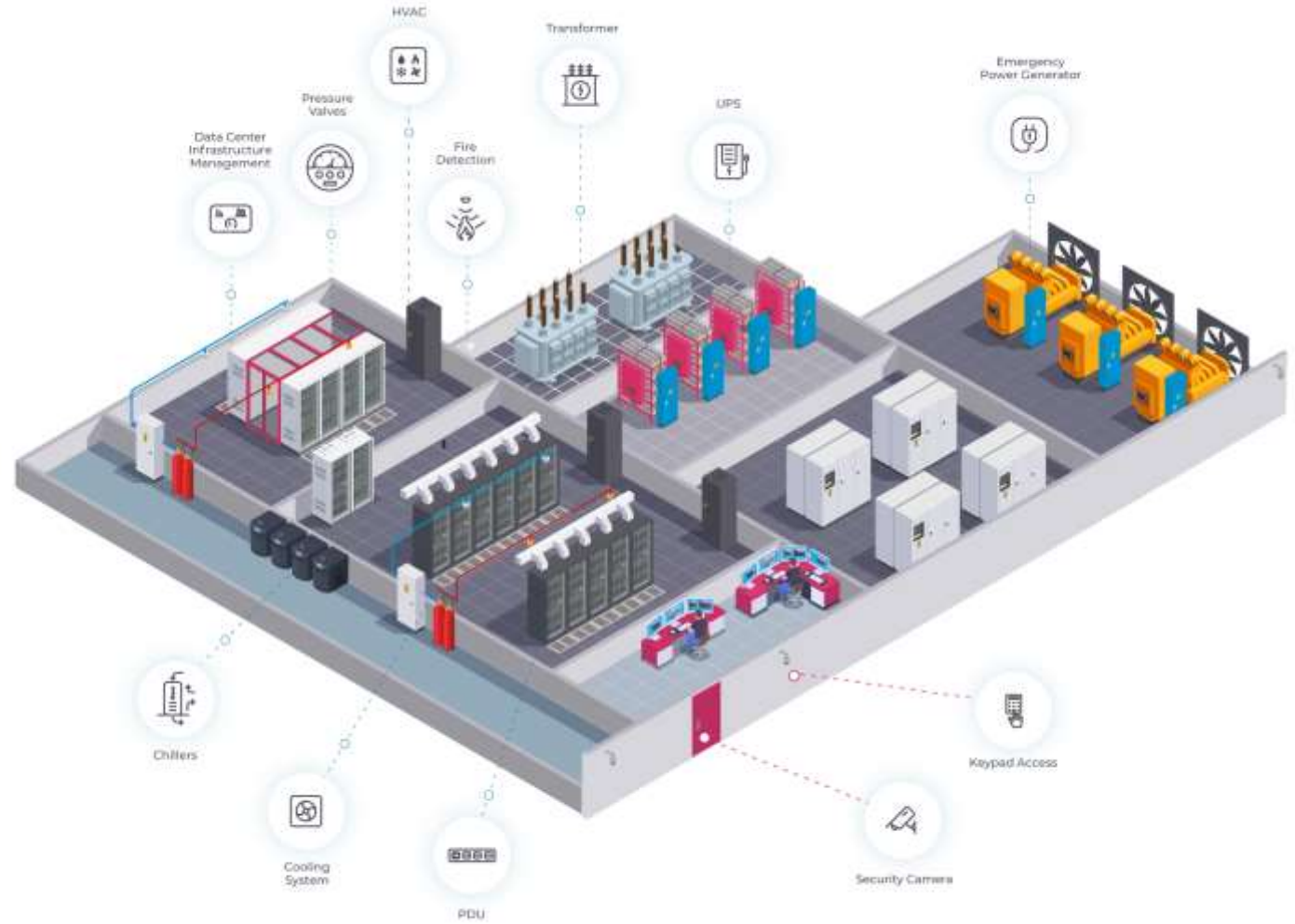
It serves as a blueprint for designing and deploying a data center facility. It is a layered process which provides architectural guidelines in data center development.

Data center architecture is usually created in the data center design and constructing phase. The data center architecture specifies where and how the server, storage networking, racks and other data center resources will be physically placed.

It also addresses how these resources/devices will be interconnected and how physical and logical security workflows are arranged.

Typically, data center architecture consists of or incorporates:

- ✓ Data center network architecture.
- ✓ Data center computing architecture.
- ✓ Data center security architecture.
- ✓ Data center physical architecture.
- ✓ Data center information architecture.



UPS SYSTEMS AND THEIR APPLICATIONS

STANDBY UPS (OFFLINE UPS)

Applications:

- ✓ Personal desktop computers.
- ✓ Home appliances.
- ✓ Point of sale (POS) systems

LINE-INTERACTIVE UPS

Applications:

- ✓ Small office environments.
- ✓ Servers.
- ✓ Network equipment.

Centralized UPS Systems: Used for large facilities where a single central UPS supports the entire infrastructure. Seen in hospitals, data centers, and large offices.

Zone or Distributed UPS Systems: Each zone or area has its UPS, offering redundancy. Suitable for campuses or multiple buildings.

Point of Use UPS Systems: These are individual units installed for specific equipment, ensuring that particular critical device or system remains operational.

Choosing the right UPS system is a balancing act between the nature of the load, the quality of power required, the duration of backup needed, and the overall cost. Whether you're a business owner, a medical professional, or a homeowner, understanding the nuances of each UPS type can be instrumental in ensuring that you have uninterrupted power when you most need it.

ONLINE UPS (DOUBLE CONVERSION UPS)

Applications:

- ✓ Data centers.
- ✓ Medical facilities.
- ✓ High-end servers.
- ✓ Telecommunication equipment.

DELTA CONVERSION ONLINE UPS

Applications:

- ✓ Industrial applications.
- ✓ Large data centers.

HYBRID TOPOLOGY UPS

Applications:

- ✓ Research facilities.
- ✓ Areas needing high adaptability and flexibility.
- ✓ Applications Based on Size and Capacity



INTEGRATED SOLUTIONS

we have the experience and expertise to effectively combine a variety of technologies to create flexible systems capable of meeting any demand, however large or small. Clients can select only the aspects they require.

WHAT INTEGRATED SOLUTIONS CAN OFFER YOUR BUSINESS

IT Services, Computer Networking, and Systems Integration.

We provide our customers with expertise in Network Security, LAN/WAN configurations, Custom Software Development, Programming, Cloud Services, Hosting, Hardware / Software Procurement and Systems Support.

We provide our customers with state-of-the-art technology and services.

Accounting Solutions

Business Applications

Web Design & Development

Mobile Applications

E-Commerce Development

Data Center Services

Custom Design/Development IT Consultancy

BUILDING MANAGEMENT SYSTEM (BMS)

BMS is a computer-based control system installed in buildings that controls and monitors the building's mechanical and electrical equipment such as ventilation, lighting, power systems, fire systems, and security systems.

BMS Integrates All The Following Element's.

Heating and ventilation.

Lighting controls.

Fire alarm.

Security.

Refrigeration/ Air Conditioning.

Energy monitoring.

Access Control.

CCTV.





INTEGRATED OF SYSTEMS



STRUCTURED CABLING'S

This information is based on two standards: ANSI/TIA-568-C.0 (Generic Telecommunications Cabling for Customer Premises), which is used for generic infrastructures, and ANSI/TIA-568-C.1 (Commercial Building Telecommunications Cabling Standard), which is more commonly used with typical commercial building infrastructures.

1. Entrance Facilities (EF)

Entrance facilities contain the cables, network demarcation point(s), connecting hardware, protection devices and other equipment that connect to the access provider (AP) or private network cabling. It includes connections between outside plant and inside building cabling.

2. Equipment Room (ER)

The environmentally controlled centralized space for telecommunications equipment is usually more complex than a telecommunications room (TR) or telecommunications enclosure (TE). It usually houses the main cross-connect (MC) [Distributor C] and may also contain the intermediate cross-connects (ICs) [Distributor B], horizontal cross-connects (HCs) [Distributor A], or both.

3. Backbone Cabling

The backbone cabling provides interconnection between telecommunications rooms, equipment rooms, access provider (AP) spaces and entrance facilities. There are two subsystems defined for backbone cabling:

Cabling Subsystem 2 - Backbone cabling between the horizontal cross-connect (HC) [Distributor A (DA)] and the intermediate cross-connect (IC) [Distributor B (DB)]

Cabling Subsystem 3 – Backbone cabling between an intermediate cross-connect (IC) [Distributor B (DB)] and the main cross-connect (MC) [Distributor C (DC)]
Recognized cabling
100-ohm twisted-pair cabling: Category 3, Category 5e, Category 6 or Category 6A
Multimode optical fiber cabling: 850 nm laser-optimized 50/125 μm is recommended; 62.5/125 μm and 50/125 μm is allowed
Single-mode optical fiber cabling



STRUCTURED CABLING's (Contd)

4. Telecommunications Room (TR) and Telecommunications Enclosure (TE)

A TR or TE houses the terminations of horizontal and backbone cables to connecting hardware including any jumpers or patch cords. It may also contain the IC or MC for different portions of the backbone cabling system. The TR or TE also provides a controlled environment to house telecommunications equipment, connecting hardware and splice closures serving a portion of the building.

The use of a telecommunications enclosure (TE) is for a specific implementation and not a general case. It is intended to serve a smaller floor area than a TR and may be used in addition to the minimum "one TR per floor" rule.

5. Horizontal Cabling – (Cabling Subsystem 1)

The horizontal cabling system extends from the work area's telecommunications information outlet to the telecommunications room (TR) or telecommunications enclosure (TE). It includes horizontal cable, mechanical terminations, jumpers and patch cords located in the TR or TE and may incorporate multiuser telecommunications outlet assemblies (MUTOAs) and consolidation points (CPs). The maximum horizontal cable length shall be 90 m (295 ft.), independent of media type. If a MUTOA is deployed, the maximum horizontal balanced twisted-pair copper cable length shall be reduced.

6. Work Area

Work area (WA) components extend from the telecommunications outlet/connector end of the horizontal cabling system to the WA equipment.

A minimum of two telecommunications outlets (permanent links) should be provided for each work area. Multiuser telecommunications outlet assemblies (MUTOAs), if used, are part of the WA.

We have the knowledge, capacity and expertise to design, consult, supply, install and maintain all types of networks.

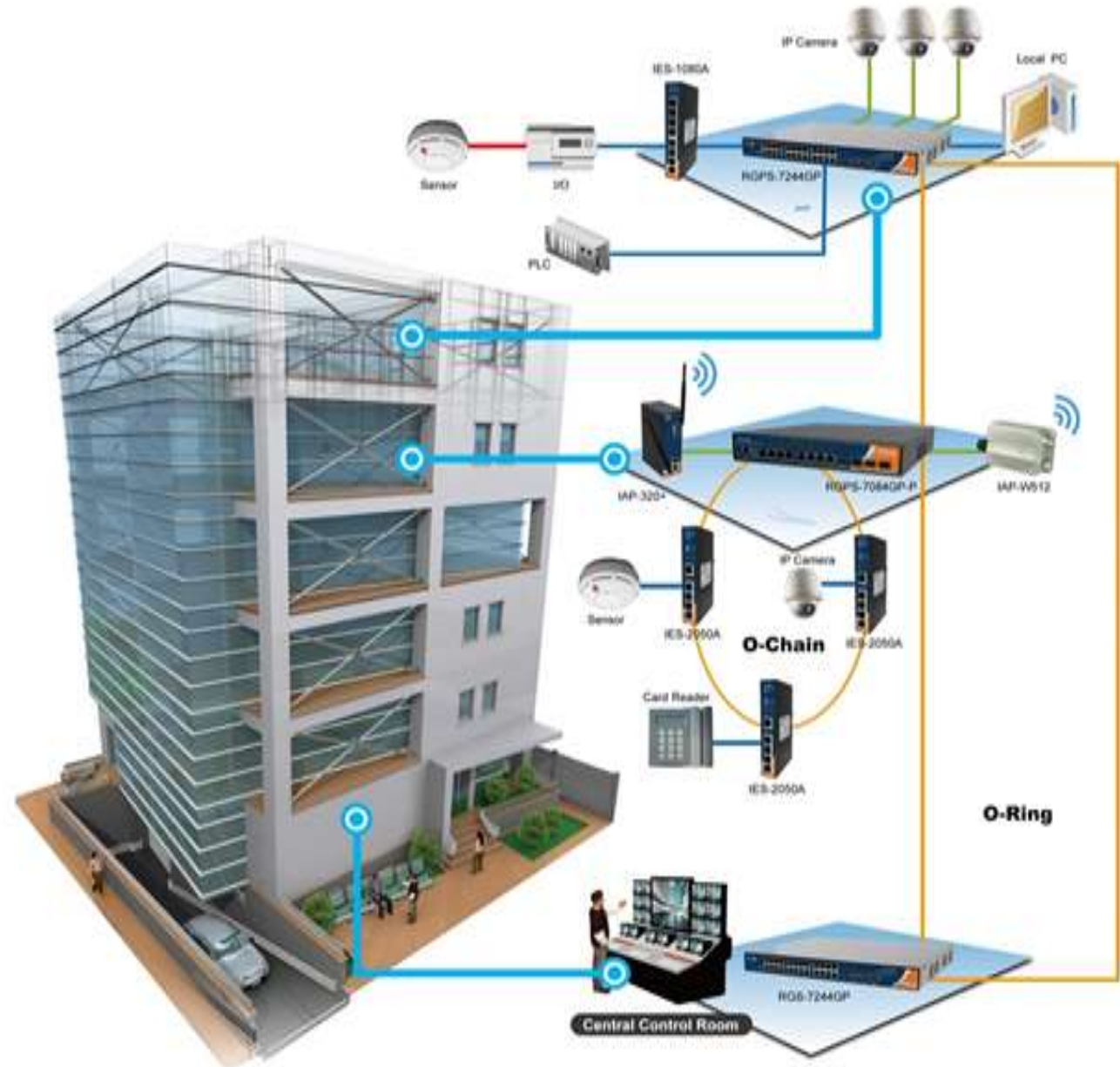
Structured Cabling Team



RZM Contracts Pvt Ltd team of qualified engineers have extensive experience in supplying, installing and commissioning a range of ELV and security systems. Our engineers hold several certifications to enable us to meet the client's requirement well.

From a small office setup to large enterprise implementations, RZM Contracts Pvt Ltd provides ELV solutions for clients in sectors such as Government, Banking, Financial, Hospitality, Education, Oil & Gas, Healthcare, and Telecommunication.

We deliver turnkey solutions that are tailor-made to client's specifications, together with services that cover the design, supply, installation, integration, commissioning and maintenance of all type of low current systems.





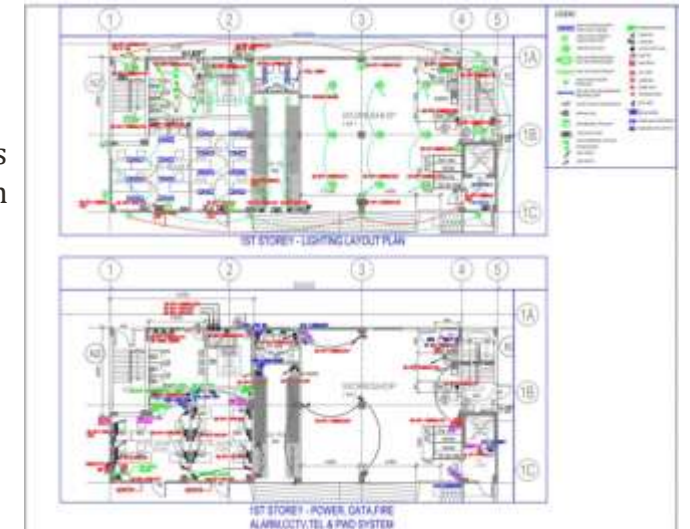
System Consulting

At ELV Systems, we offer comprehensive consultancy services for AV, security, smart home, and special low voltage systems. Our services include detailed system design, preparation of drawings and specifications for competitive bidding, on-site supervision during construction, and rigorous testing to ensure peak performance across all system types



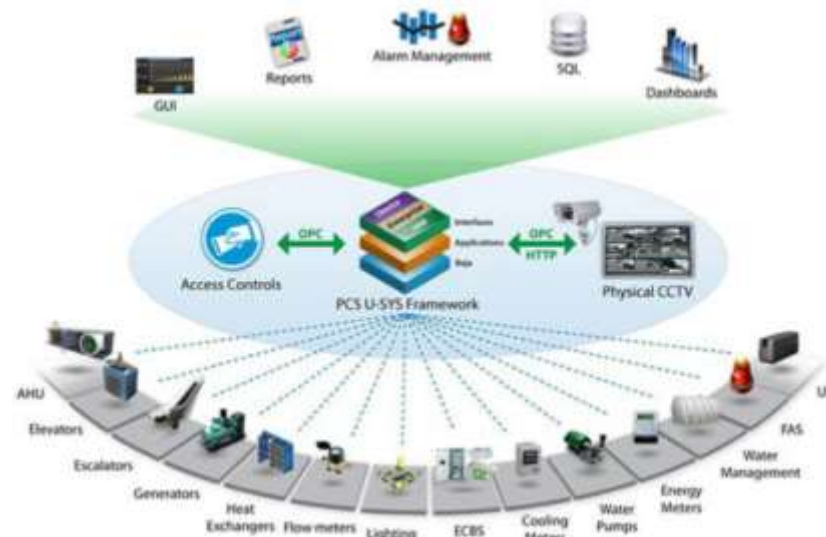
Designing & Engineering

Specializing in custom designs for AV, security, smart home, and special low voltage systems, our process begins with in-depth client consultations. We deliver complete system designs, including detailed project documentation and cost estimates, tailored to a variety of venues and scales.



Material Supply

Committed to quality, ELV Systems sources and supplies all essential materials and equipment for AV, security, smart home, and special low voltage system installations. We ensure all components meet the highest standards and specifications for each system type.





Project Management

From inception to completion, our team provides meticulous oversight and project management for AV, security, smart home, and special low voltage projects. We ensure adherence to timelines, budgets, and quality standards for every project phase.



Installation & Integration

Following design approval and equipment procurement, our team ensures seamless installation and integration of AV, security, smart home, and special low voltage systems. We conduct thorough testing and fine-tuning to achieve fully operational and optimized systems.



Maintenance & Service

To ensure system longevity and reliability, we focus on proactive maintenance for all our systems. Our service plans include scheduled preventive maintenance visits to maintain peak performance and functionality of AV, security, smart home, and special low voltage systems.

What we Do

We partner with clients to put recommendations into practice.

CHANNEL PARTNER

We are proudly the channel partner of Gallagher, Milestone VMS Systems, AXIS Communications, Synology NAS Solutions, VERTIV Data center Solutions, EDWARDS Fire, Avaya PAVA, Hanwha CCTV, Gallagher, Viridi, HID, Access Control and other reputable vendors.

We execute all types of Projects:

- ✓ Government Sectors
- ✓ Multinational Sectors
- ✓ Data Centers
- ✓ Industrial
- ✓ Corporate Offices & Commercial
- ✓ Institutional
- ✓ E-Commerce
- ✓ Warehouse
- ✓ Hospitality
- ✓ Healthcare Pharmaceuticals & Chemicals
- ✓ Oil & Gas
- ✓ Bank
- ✓ Jewelry Sector
- ✓ Garments Industry
- ✓ Auditorium
- ✓ Theatres
- ✓ Club
- ✓ Sound Recording Studios
- ✓ IT (Info-Tech) - Offices
- ✓ Port Terminals
- ✓ Bungalows
- ✓ Racecourse

Some of Our Esteemed Clients

We have done large, medium & small projects vary from Government projects to SMB related projects.

THANK YOU

Thank You



RZM CONTRACTS
INDIA PVT LTD
Delivering Excellence...

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