

ENGINEERED SYSTEMS. ENDURING COMFORT.



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BEHIND A-SQUARE



ALTAF ABDUL
Principal Consultant / CEO



NEHA A
EA to CEO



SWETHA K
MEP Team Lead



REJISHNAV
Plumbing Lead



DANISH ALAM
Electrical Lead



14+

SECTORS COVERED

2000+

PROJECTS COMPLETED

21+

YEARS OF EXPERIENCE

80M+

SQFT COMPLETED

ABOUT US

We provide professional MEP design and consulting services, applying engineering expertise and systematic methodologies to develop efficient, compliant building systems.

We offer Design services in

Electrical Systems – Complete electrical design including power distribution, lighting systems, emergency backup, and renewable energy integration

Fire Systems – Complete fire safety solutions including detection, alarms, sprinklers, suppression systems, and emergency response equipment.

HVAC Systems – Energy-efficient heating, ventilation, and air conditioning design with focus on indoor air quality and operational cost reduction.

Plumbing Systems – Complete water management systems including potable water, drainage, fire protection, and sustainable water solutions



CORE PRINCIPLES

VISION & MISSION



Our mission is to create sustainable employment opportunities while delivering technical solutions that serve communities, contributing to economic development through skilled workforce development and equitable business practices.

CORE PURPOSE



To provide engineering solutions to people and organizations to improve their comfort and quality of life.

CORE VALUES



PROJECT COORDINATION

Open communication and clear processes in every project.



CODE-COMPLIANT DESIGN

Advanced, professional approaches for evolving industry needs.



ENGINEERING PROCESS

Solutions engineered for long-term operational value.

WHY CHOOSE US?



Documented Track Record

500+ completed projects across 14 sectors with 21+ years of experience.



Field-Tested Expertise

Our team delivers reliable, cost-effective solutions backed by years of field experience.



Code Compliance

All designs meet local codes and industry regulations through rigorous review and analysis.



Requirement-Based Design

We listen to your needs, provide transparent updates, and deliver results that match your project goals.

WE DESIGN



COMMERCIAL SPACES

We design HVAC, electrical, and plumbing systems that optimize performance, meet code requirements, and maintain occupant comfort.

INTERIOR FIT-OUT SPACES

Our MEP designs integrate seamlessly with architectural plans, delivering safe and efficient building systems that support your space's intended use.



RESIDENTIAL SPACES

We create comfortable, energy-efficient homes through well-planned HVAC, electrical, and plumbing systems that meet current safety codes.

RETAIL SPACES

Project-specific designs for retail environments, focusing on lighting, climate control, and power distribution to meet operational requirements and code compliance.



WE DESIGN



HOSPITALITY SPACES

MEP designs for hotels and restaurants that prioritize guest comfort while maintaining operational efficiency and code compliance.

INDUSTRIAL SPACES

Heavy-duty HVAC, electrical, and plumbing systems engineered for manufacturing and warehouse environments with focus on durability and performance.



QSR SPACES

MEP design for QSR and drive-thru locations, optimizing kitchen ventilation, power distribution, and utility connections.

LAND INFRASTRUCTURE

Site infrastructure planning including utility routing, stormwater management, and utility connections to support new construction projects.

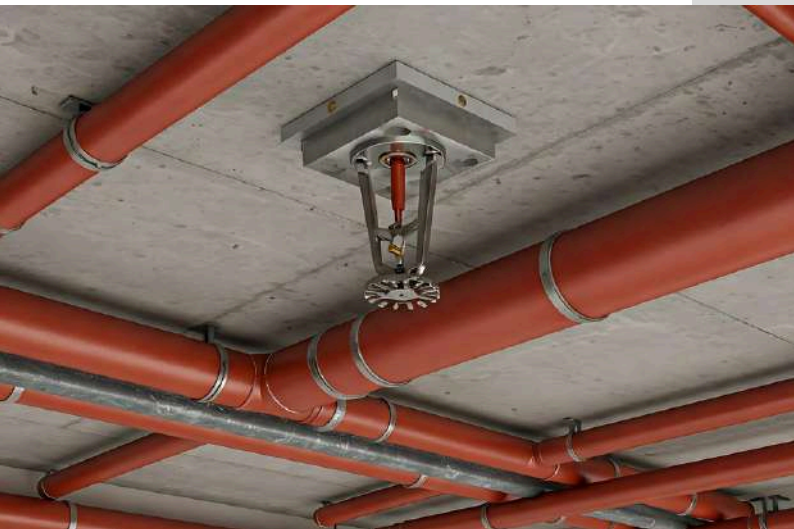




ELECTRICAL DESIGN

Our electrical designs prioritize safety, code compliance, and operational efficiency.

1. Power distribution and load management
2. Lighting design and automated controls
3. Emergency power and UPS systems
4. Grounding and surge protection

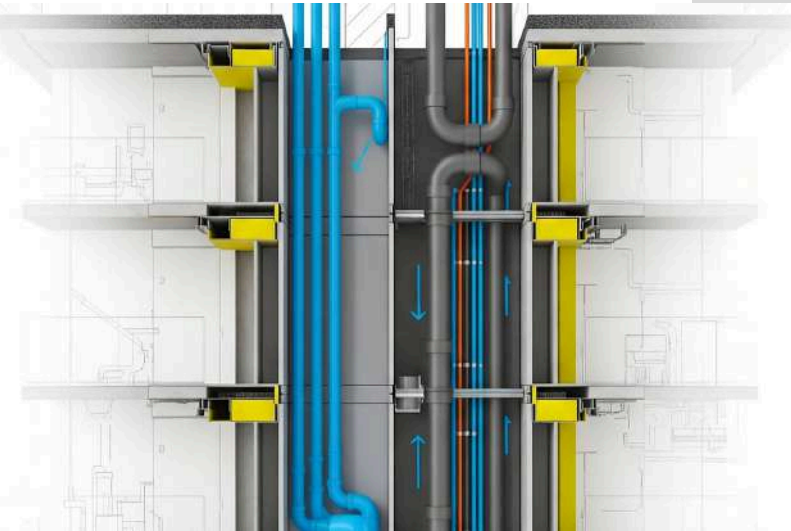


FIRE DESIGN

We design fire protection systems for early detection, rapid response, and complete building coverage.

1. Fire detection and alarm systems
2. Sprinkler and suppression systems
3. Fire department connections and hydrants
4. Fire pump systems and water storage

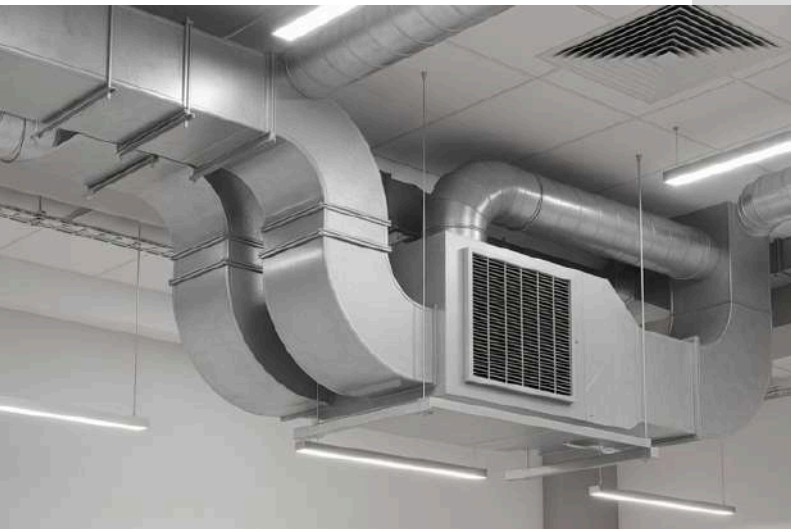
SERVICES



PLUMBING DESIGN

We design plumbing systems for water efficiency, code compliance, and long-term performance.

1. Water supply and drainage systems
2. Sewer and waste water management
3. Hot and cold water distribution
4. Plumbing vents and fixture connections



HVAC DESIGN

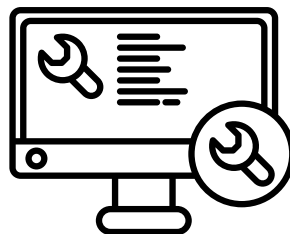
Our HVAC designs focus on energy efficiency, occupant comfort, and system reliability.

1. Central air conditioning systems
2. Ventilation and ductwork design
3. Chiller and boiler installations
4. Humidity and air quality control

TOOL & TECHNOLOGIES

Design Software: We use AutoCAD, Revit, SketchUp, and BIM for precise MEP modeling and coordination. Our 2D/3D modeling capabilities reduce design conflicts and improve project collaboration.

Analysis Tools: HAP, Duct Sizer, Dialux, and Pipe Flow Expert software ensure our systems meet performance requirements and code compliance. Microsoft Office handles project documentation and team coordination.



MEMBER OF

We work with architects, developers, and contractors to integrate MEP systems with overall project requirements. Our network of suppliers and consultants provides specialized expertise and coordination support.



STANDARDS WE FOLLOW

Our MEP designs comply with national building codes (NBC), international electrical standards (IEC), ASHRAE guidelines for HVAC systems, NFPA fire protection codes, and relevant Indian Standards (IS). We incorporate energy-efficient design principles, proper system integration practices, and comprehensive quality documentation throughout the design process.



SECTORS DESIGNED

VIEW
Projects List

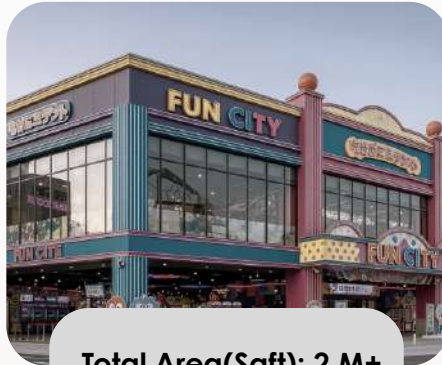


HEALTH CARE



Total Area(Sqft): 5 M+

ENTERTAINMENT



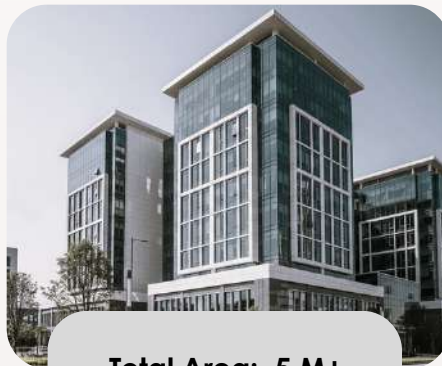
Total Area(Sqft): 2 M+

R & D LAB



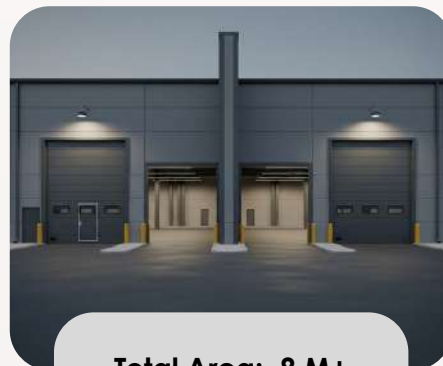
Total Area(Sqft): 1 M+

SOFTWARE



Total Area: 5 M+

INDUSTRIAL



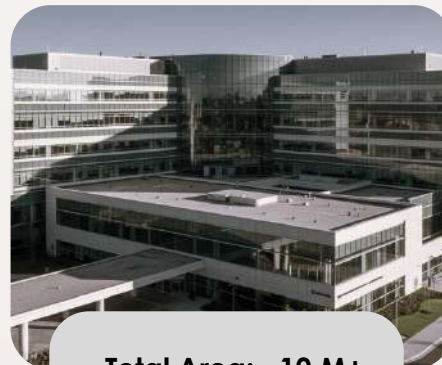
Total Area: 8 M+

BANKING



Total Area: 3 M+

RESIDENTIAL



Total Area: 10 M+

RETAIL



Total Area: 4 M+

SECTORS DESIGNED

SOCIAL MEDIA



Total Area(Sqft): 1 M+

TELECOM



Total Area(Sqft): 1 M+

EDUCATIONAL



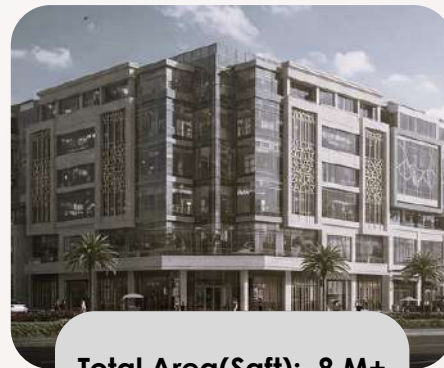
Total Area(Sqft): 2 M+

HOSPITALITY



Total Area(Sqft): 7 M+

COMMERCIAL



Total Area(Sqft): 8 M+

E-COMMERCE



Total Area(Sqft): 3 M+

FIT-OUT



Total Area(Sqft): 10 M+

LAND DEVELOPMENT



Total Area: 115+ acres

MAJOR CLIENTS



MAJOR CLIENTS



ARCHITECTS & BUILDERS





A-SQUARE MEP CONSULTANTS



HEAD-OFFICE

1st Floor APR & MRS Arcade, Devanahalli
Bengaluru, India- 562110.

 +91 80-25577224

 operations@a-square.group

 +91 88675 03964 / +91 98452 08299



HYDERABAD

hyderabad@a-squaremep.in
+91 96866 25390



CHENNAI

chennai@asquaremep.in
+91 99727 90104



MUMBAI/PUNE

mumbai@a-squaremep.in
+91 96639 29436



KERALA

kerala@a-squaremep.in
+91 91108 68719



GOA

goa@a-squaremep.in
+9196066 46447