

Square Tech Engineering



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ELECTRICAL SERVICES

- Full electrical power and lighting reticulation
- Telephone and data reticulation
- PABX systems
- Access Control/Security Systems
- Public Address and Voice Evacuation Systems
- Power Factor Correction.
- Site Energy Audits.
- Building Management Systems
- Installation, Testing and commissioning activities for various equipment like Medium Voltage Panels, Low Voltage Panels, SF6 Ring Main Units, Transformers, Isolators, Relays, Surge Arrestors for various substations up to 220 KV.
- Planned Maintenance / Overhaul.
- Retrofit and refurbishment activities of old & aging installations. Handle all type of activities like dismantling old equipment, cut outs, new wiring, mounting of new equipment and final commissioning.
- Cable / Cable tray Management for M/V & L/V Cables. (Laying & Termination)
- Busways / Race ways Management.
- Earthing / Grounding Network.
- Troubleshooting & repair of industrial automation controls, frequency drives and AC/DC motors.
- Infrared thermography.
- Street & Highway Lighting Design.
- Power System Studies.
- Electrical Buildings Design
- Low and Medium Voltage Power Distribution

FIRE & SAFTY SERVICES

- Supply & Installation of Fire smoke detection system.

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- Automatic Sprinkler Fire Protection.
 - Gas Fire Extinguisher Installation.
 - Emergency evacuation communication system
 - Fire Pumps and Tanks installations
 - Fire Hose reel & Hydrants Reticulation
 - Smoke Management Designs
 - Building evacuation and escape route analysis
 - Negotiations with Fire Authorities
 - Building Regulation advice and interpretation

MECHANICAL SERVICES

- We offer on spot and on shop fabrication and erection services.
- Building Services (feasibility, design, procurement, installation supervision, and close-out)
- Steel Structure
- Storage Tanks
- Heat Exchanger
- Chillers & Cooling Towers
- HVAC System
- Piping/Pipeline
- Cable Trays.
- DBs, Electrical Panel.
- Equipment Installation & Commissioning
- Process Plant / Equipment Layouts
- Power and Process System Design
- Pipe and Pumping System Analysis
- Detail Mechanical and Piping Design

CIVIL & STRUCTURAL SERVICES

- Design Reviews
- Dynamic Analysis
- Constructability Reviews
- Structural Steel Design and Analysis
- Equipment and Building Foundations
- Existing Structure Analysis and Review
- Structural Steel Detailing and Shop Drawings
- Complete Concrete Above & Below-Ground Design Services

For more details, please visit <https://www.businessbook.pk/detail/square-tech-engineering-karachi-134718>
