

COMPANY OVERVIEW

TRACE WORLD is an dignified Engineering Company in the field of Electro-Mechanical Engineering Solutions was founded in year 1915 by a core team of highly experienced professionals aimed to support the industry and community in the nature of : **Planning, Designing, Construction, Erection and Installation** for Electrical, Mechanical, Air-Conditioning, Plumbing, Fire Fighting and other services based on advanced technology for the customer.

In recent years, we have been involved Power Plant, Factory buildings, Tower buildings, Meteorological Radar, Mass Rapid Transit, City Water Treatment Plant, Treated Water Transmission & Distribution system.

Our specialized Engineers and Technicians giving high standard of workmanship, putting their technical skills and know-how into practical and theoretical practice resulting dedicated work to execute the job is of very high caliber and appreciated by all concerned.

**MIR ABDUS SALAM
OWNER**



We will keep providing society with the optimal solution as a company that “ **QUALITY IS AN INVESTMENT IN THE FUTURE.**”

**Keep Your
Expectations High
For TRACE WORLD**

The executives and employees are united in their commitment to these goals, and we look forward to your continued support and encouragement in our endeavors.

OUR VISION

Our vision is to maintain high standards of solutions and services. We understand the needs of our clients, and consider the world's environmental and energy conservation initiatives while working out our solutions.



OUR MISSION



We provide the best services to our clients for the quality and knowledge that fulfill their requirements. We are determined to continue to be a significant player in the construction field. Along with opportunities we see challenges and competition that will make us strive harder in terms of our effort, efficiency and quality.

CORE SERVICES

ELECTRICAL SERVICES

- Electrical Facilities for Building and Industrial Installation.
- High Voltage Electrical Substation Installation.
- High Voltage Transmission & Distribution System (Both Overhead & Under Ground).
- Generator and Room Canopies Installation.
- Busbar, Cable Ladder & Cable Tray Installation.
- Lightning Protection (LPS) System.
- Street Light Pole Installation.
- High Mast Pole Installation.
- Fire Detection & Alarm Installation.
- CCTV Installation System.
- PABX and PA Installation System.

MECHANICAL SERVICES

- HVAC Installation System.
- Split and Package Air Handling System,
- Chiller - Including Water, and Air-Cooled Cooling Tower Installation.
- Complete Protection/Fire Fighting System.
- All Kinds of Ducting, Grill, Diffuser and Damper etc. Installation.
- Fire Door, Fire Curtain & Fire Rated Shutter System.
- Commercial & Industrial Water Treatment & Supply System.
- City Water Transmission & Distribution System.
- Plumbing, Drainage and Sewerage System.
- Soak Well, Safety Tank and Manhole Installation.
- All Kinds of Pumping System.

- Sewerage Treatment Plant Installation.
- Spinning Mill Equipment and Accessory Installation.
- Dyeing Section Equipment and Accessory Installation.
- Knitting Section Equipment and Accessory Installation.

OTHER FACILITIES

- Mass Rapid Transit (MRT) Installation.
- Meteorological Radar Installation.
- Solar Energy Installation.
- Modern Food Storage (Silo) Installation.
- Industrial Automation Solution.
- Fabrication, Supply and Installation of MS Fuel, Hot & Cold Water Tank.
- Fabrication, Supply and Installation of SS SUS-304 Water Tank.

ELECTRICAL EQUIPMENT'S INSTALLATION AND MAINTENANCE.

Installation, Testing, Commissioning and Maintenance all kinds of high voltage & low voltage equipment – such as substation, transformer, generator, switchgear, panel, industrial, commercial and domestic electrical installation works ensure the safe, reliable and ensure full compliance with **IEC, BNBC and utility standards**



TRANSFORMER



H.V. SWITCH GEAR



L.V DISTRIBUTION PANEL.

Generator & room canopies installation system protecting your generator with canopies and room insulation ensures durability, noise reduction, and optimal performance.



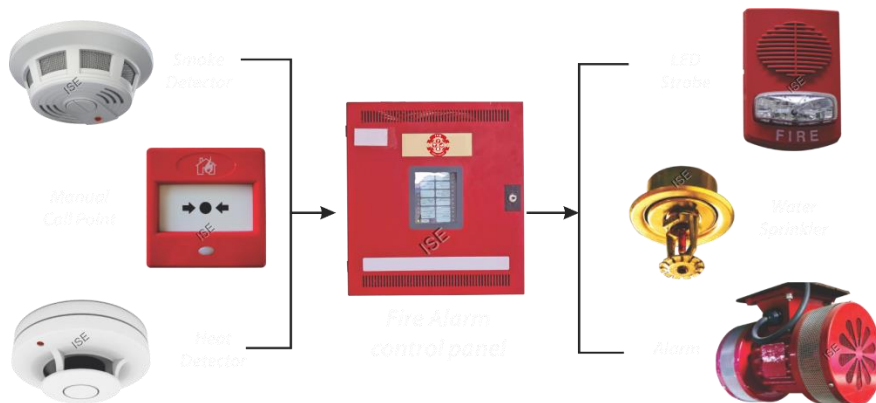
GENERATOR

We offer **Busbar Trunking System (BBT)** provides modern designed for electrical power distribution in commercial and industrial building and we offer complete **supply, installation, testing & commissioning** of high quality **BBT systems** designed for safety and flexibility and long-term performance.



BUSBAR TRUNKING SYSTEM

We provide **comprehensive fire detection and alarm** designed to ensure safely, reliability, and compliance with international standards. Our services cover the supply, installation, testing, and commissioning of both conventional and addressable fire alarm systems, adhering strictly to **NFPA, BNBC**, and local fire safety regulations.



FIRE DETECTION AND ALARMING SYSTEM



CCTV & PA SYSTEM

We are specialize in the supply, installation and maintenance of **High Mast Lighting Poles** for industrial, commercial and public infrastructure projects. Our

High Mast Pole services including supply and installation of galvanized high mast poles in various heights and designs including foundation construction, electrical cabling, lighting fixtures installation, lifting system setup and maintenance.



HIGH MAST POLE LIGHT

We provide complete solutions for street lighting system including the supply, installation, testing and maintenance of high quality street light poles and fixtures for roads, highways, industrial areas and residential zones.

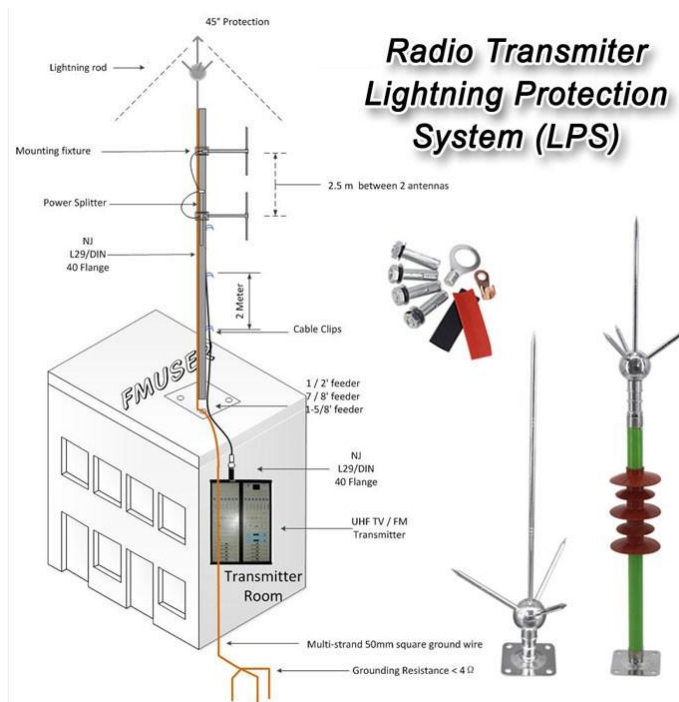


STREET POLE LIGHT

We provide complete **design, supply, installation, testing and commissioning of both Conventional Lightning Protection Systems (LPS)** to ensure maximum safety and compliance with international standards.

Our **Conventional LPS** service includes the installation of air terminals, down conductors, and earthing systems that safely discharge lightning energy into the ground, protecting structures and occupants from electrical hazards.

We ensure all installations are **engineered for performance, durability, and safety**, providing clients with reliable protection against lightning strikes.

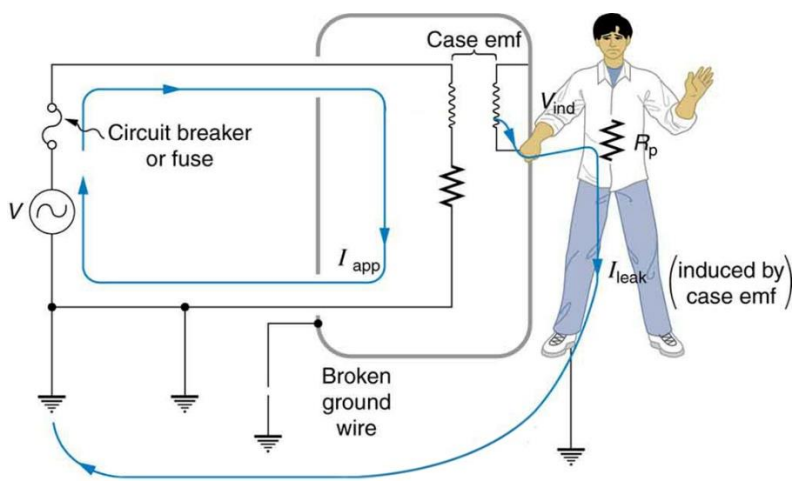


LIGHTNING PROTECTION SYSTEM (LPS)

We provide complete **Earthing System Supply and Installation** services to ensure electrical safety, equipment protection, and system reliability. Our solutions are designed to achieve low-resistance grounding and long-term performance across all types of soil and site conditions.

Our expert team installs and tests various earthing systems, including **Chemical Earthing, Plate Earthing, Rod Earthing, and Conventional GI/Copper Earthing**, following international safety standards. We use high-quality materials and proven technique to deliver efficient, durable, and industrial application.

Advanced earthing solutions using eco-friendly chemical electrodes to achieve low-resistance grounding below 0.5 ohm ensuring long-term safety, surge protection, and system reliability.



EQUIPMENT EARTHING/GROUNDING SYSTEM

We provide complete **Solar Energy System Supply and Installation** services to ensure electrical safety, equipment protection, and system reliability. Our solutions are designed to evaluate your roof space, orientation, and surrounding structures to determine peak sun exposure.

Solar Panels is the most visible components, which collect sunlight and generate direct (DC) electricity. We provide adequate **Solar Inverter** which is “brain” of the system. It converts the DC electricity into alternating current (AC) electricity.

For the mounting structures specialized racking and clamps that secure the panels roof or ground, engineered to withstand high winds.



SOLAR ENERGY SYSTEM

MECHANICAL - HVAC EQUIPMENT INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE

HVAC installation involves precisely sizing equipment, securing physical units, running refrigerant or hydronic lines, and strictly following electrical and ductwork codes.

Electro-mechanical Engineering Solutions have a versatile team in the field of HVAC following the international standards. OUR HVAC work based on calculation and design formula's that results the best HVAC system for your plant as per **ASHRAE, BNBC, manufacturer standard** and your requirement.

We provide a full range of services in HVAC :

- Design and installation of HVAC System and component.
- Heating & Cooling load calculations.
- Maintenance Services.
- Air Conditioning and Refrigeration system.
- Heating, Ventilation and Extraction.
- Cooling Towers & Air Handling units.
- Ducting & Piping System Fabrication.
- Chillers and Boilers installation.
- Ventilation and Condensation Control.
- Ducting & Piping Layout.
- Air flow schematic Diagrams.
- Air & Water balancing.
- Humidifier & Dehumidifier load calculation.
- Electrical Power & controlling system.
- Plumbing & drainage system.



HVAC DUCTING SYSTEM



Air Cooled



Water Cooled

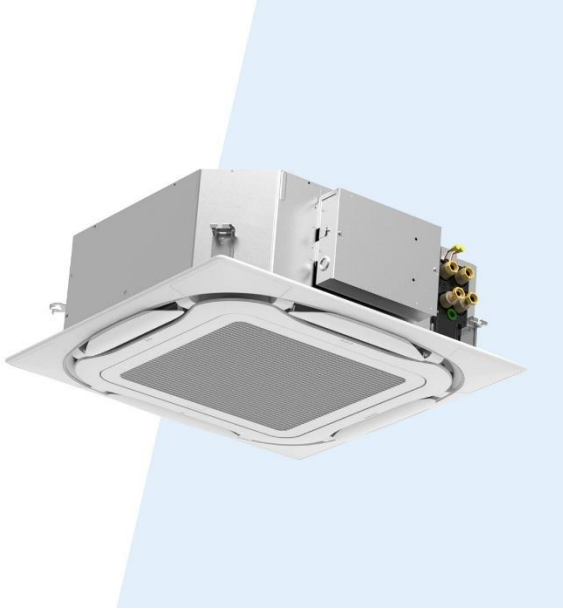
AIR COOLED AND WATER COOLED CHILLER



COOLING TOWER



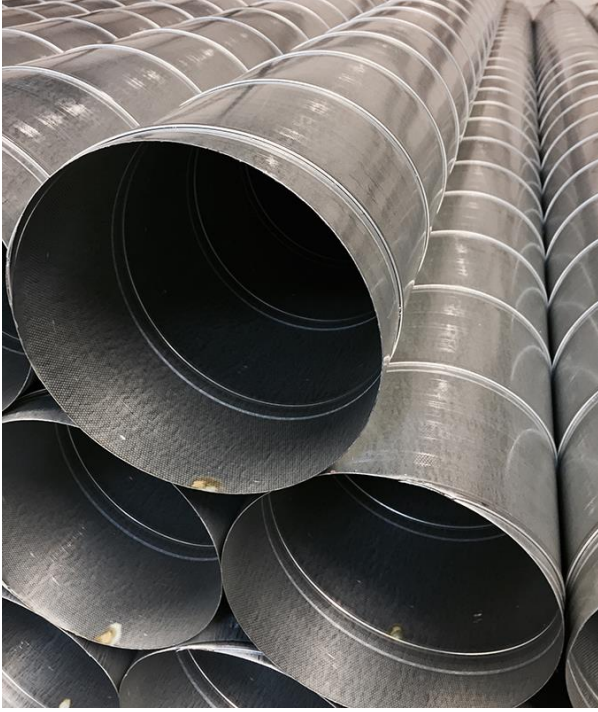
AIR HANDLING UNIT



CASSTTE TYPE FAN COIL UNIT



RECTANGULAR DUCTING SYSTEM



ROUND DUCTING SYSTEM



SPIRAL DUCTING SYSTEM



TCDX



TDX



TVD45° X



YPD45° X



TEDX



XCDX



XDX

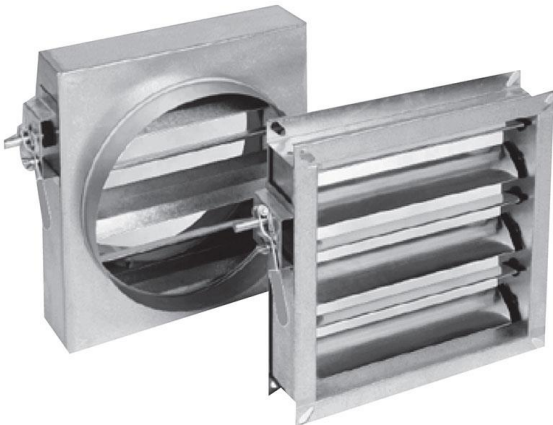


XVD45° X

DUCT FITTINGS



GRILL & DIFFUSERS



VOLUME CONTROL DAMPER

FIRE FIGHTING EQUIPMENT INSTALLATION, TESTING, COMMISSIONING AND MAINTAINENCE.

Our Fire Protection System Works cover the complete design, supply, installation, testing, commissioning of both active and passive fire protection systems. We ensure full compliance with **NFPA, BNBC and local Fire Service & Civil Defence standards.**



FIRE PUMP – JOCKEY & MAIN FIRE PUMP AND ACCESSORIES.



FIRE HYDRANT WITH FIRE HOSE REEL

Fire Fighting Equipment



Fire Detector



Fire Alarm System



Fire Extinguisher



Fire Sprinkler System



Hose Reel



Bulb Sprinkler



Wet Riser System



Co2 Flooding System

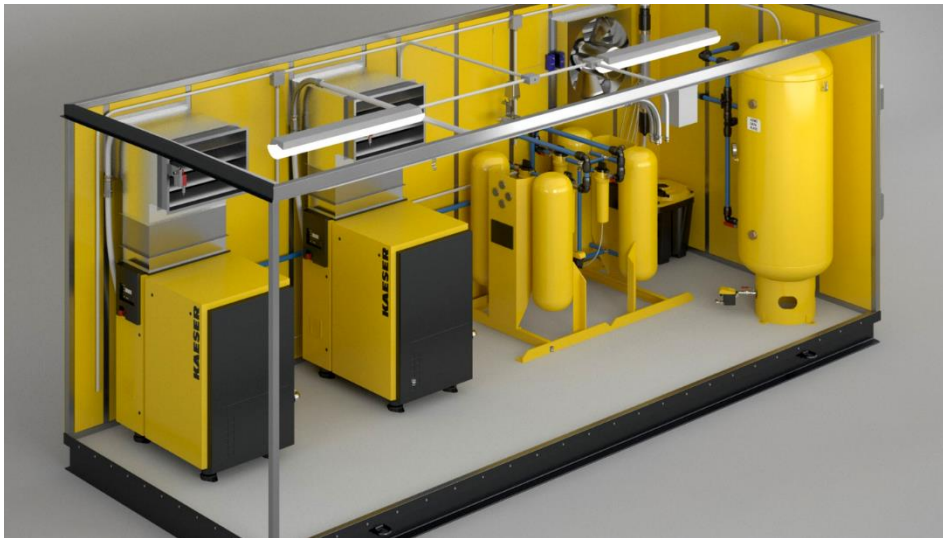


Manual Call Point

FIRE DETECTION & FIRE FIGHTING EQUIPMENTS.



SOFT WATER SOFTENER SYSTEM



COMPRESSED AIR SYSTE



DYEING MACHINE AND ACCESSORIES INSTATION



WATER PUMP INSTALLATION



SANITARY FIXTURES



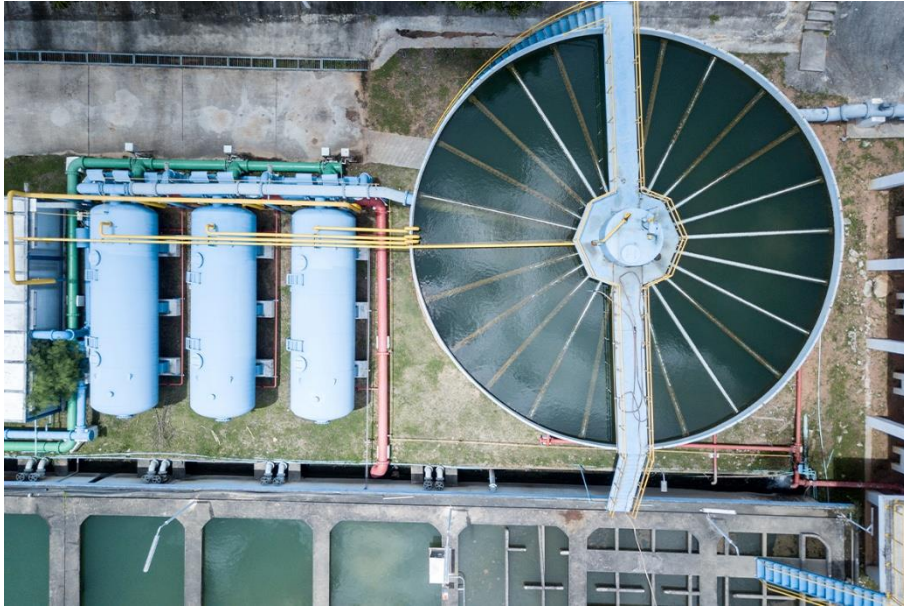
INDUSTRIAL SINK SYSTEM



SANITARY FITTINGS.



EXTERNAL SANITARYS PIPING SYSTEM



WASTE WATER TREATMENT PLANT.



CITY WATER TREATMENT PLANT

Meteorological Radar Systems Detect Atmospheric Precipitation, Storm Intensity, and Wind Speed using Reflected Microwave Pulses.

Equipment includes Transmitters, Receivers, Antennas, and Signal Processors.

TRACE WORLD is a Leading 1st Class Contractor & Supplier for Civil, Electrical and Mechanical. Dedicated to delivering high-quality, safe, and cost-effective solutions across commercial and industrial projects.

Our team of **experienced engineers and technicians** leverages the latest technology and industry best practices to deliver projects on time and within budget. Committed to **innovation, sustainability, and client satisfaction**, we provide solutions that meet international standards and local regulation.

We are capable of Civil Works for radars require robust concrete foundations, specialized lightning protection, and climate-controlled equipment shelters at the base of the tower.



METEOROLOGICAL RADAR SYSTEM



MASS RAPID TRANSIT (MRT)

LIST OF OUR FACTORY PROJECT

KUNG KENG TEXTILES
(BD) FFACTORY, DEPZ,
DHAKA,