



H50 **ENGINEERING** **LIMITED**

www.hsoengineeringltd.com

About Company

“Engineering excellence, built on innovation and precision.”

HSO Engineering Ltd. is an Engineering consultant company in Dhaka, Bangladesh. It was established in early 2025 and engaged in Fire, Electrical, Building safety and Security system consultancy, design, supply and implementation work in Bangladesh, Pakistan, Vietnam, Cambodia, India and other countries.

The sister concerns of HSO Engineering Ltd are Innovation Engineering and Sheikh Engineering, who are also working in the similar industries.



HOW WE WORK

Fire, Electrical, Building Safety assessment
as per local and international standard i.e. BNBC, Accord,
Alliance, NFPA, IBC, ICC and concern country code.

Fire Safety: Fire Alarm and Smoke Detection Systems, Fire Hydrant System, Sprinkler System, Fire Pump, Fire Suppression System, Fire Safety Plan, Testing and Commission of fire detection and protection system.

Electrical Safety: Electrical Single Line Diagram (SLD), Electrical Layout Drawing (ELD), Lightning Protection System (LPS) Drawing including risk index calculations, Earth Resistance Test, Cable Insulation Resistance Test.

Structural Safety: Structural and Architectural design, Layout design, Detail Engineering Assessment (DEA), Load calculations and Load Plan Preparations, Concrete core test, Rebar test, Steel plate, Concrete Cylinder Test, Soil investigation report, pile load test and Rebar scan report.

Security System: Design, supply and installation of CCTV, Access control and car parking barriers.

- Basic fire safety, fire drill and evacuation system.
- Fire detection and protection system design and Installation.
- Fire equipment Testing and Commissioning.
- Electrical safety.
- Electrical Layout drawing, Single Line Diagram and Lightning Protection System design.



MOHAMMAD HOSSAIN

Chairman & CEO

Dear Valued Clients and Partners,

I am delighted to welcome you to the world of HSO Engineering Ltd., a leading engineering consultant company dedicated to delivering exceptional fire, electrical, building safety and security system solutions.

At HSO Engineering Ltd., we understand that safety is of paramount importance in today's rapidly evolving world. By partnering with us, you can expect the utmost professionalism, reliability, and a steadfast dedication to meeting your unique requirements.

We look forward to embarking on exciting ventures with you, creating safer environments, and making a positive impact together. Thank you for choosing HSO Engineering Ltd. as your trusted engineering consultant.

Meet Our Team

Backed by a team of highly skilled and knowledgeable engineers, we possess the capability to deliver a wide range of innovative solutions. Our team comprises experienced and qualified professionals who bring diverse expertise in fire safety, electrical systems, and structural engineering. With their collective knowledge and proficiency, we are equipped to tackle complex challenges and provide customized solutions that meet the unique requirements of our clients.



Mohammad Hossain
Chairman & CEO

- 18 years of local and international working experience in Fire Safety field and have assessed over 250 factories as per ALLIANCE, code of ACCORD, National building Bangladesh standards.
- Served Elevate Global Ltd. Bangladesh, Guraba Engineering Ltd. Bangladesh, Yanbu 2 Project Saudi Arab, PNU Project, Saudi Arab, Saudi Aramco Project, Meghna Group, Bangladesh.



Md. Shariful Islam
Managing Director

- Ex. Manager - Fire Safety at Guraba Engineering Ltd.
- Successfully completed training at Fire Service & Civil Defense: (Manager Course)
 - o Fire Safety
 - o Rescue
 - o First Aid
- Completed training on Life safety training (NFPA 101)
Completed safety Training on 1. General Core. 2. Work & Height. 3. Isolation of hazard energy at Organization: Chevron Bangladesh Ltd



Md. Omid Hasan Sheikh
Director

- Ex. Sales & Operation Head (Chittagong) Guraba Engineering Ltd.
- Managing Director, Sheikh Engineering and Consumer
- Ex. Site In-charge, Newtek International
- Ex. Commissioning Engineer, BOMS Pvt Ltd, Singapore



Md Sarowar Hossain
Sustainable Team Leader

- Ex. Sustainability Project Leader, H&M
- Sustainability Program Responsible
- Senior Engineer-Electrical Safety -Elevate Global Limited
- Team Leader-Electrical Safety -Bangladesh Accord Foundation
- Team Leader-Electrical Safety Assessment -Bureau Veritas
- Assistant General Manager -Bangladesh Rural Electrification Board of Bangladesh



Muhammad Ghazanfar Feroz Khan
Civil Engineer

- CEO - ZEG Consultants (SMC-Private) Limited.
- Ex-Staff Engineer - GTS Petronas Malaysia.
- Ex-General Manager Civil - F&M Pvt. Limited
- Country Manager Buildings & Infrastructures - Bureau Veritas Pakistan
- Team Leader - Audits & Inspections - Bureau Veritas Pakistan.
- Professional Engineer & Life Time member - Pakistan Engineering Council



Irshad Ahmed
Industrial Engineer and IT Expert

- Electrical systems auditor, Training Manager, Process and systems developer, Installation and Maintenance Manager, IT Manager
- Served Elevate Global, Philips Singapore, Philips Pakistan, Macter Pharmaceuticals Pakistan, Nokia Mobile Pakistan

Our Products & Services

HSO Engineering Ltd offers a comprehensive range of products and services primarily focused on fire safety, electrical systems, and building management, including:

➤ Active Fire Protection System

- ▶ Fire Pump Set (End-Suction, Horizontal-Split case, Vertical Turbine)
Brand: NAFFCO, EBITT, LIFECO, BRISTOL
Origin: UAE, Turkey
- ▶ Fire Hydrant & Standpipe, Automatic Sprinkler System
Brand: NAFFCO, RAPIDROP, LIFECO
Origin: UAE, UK
- ▶ Fire Alarm & Detection System
Brand: BOSCH, HOCHIKI, Honeywell
Origin: Germany, Japan, USA
- ▶ Gas, Foam Suppression & Water Spray System
NOVEC20
- ▶ Fire Extinguisher

➤ Passive Fire Protection System

- ▶ Fire Rated Curtain
Brand: NAFFCO, Kent Smoke and Fire Curtains
Origin: UAE
- ▶ Fire Door
Brand: NAFFCO, ASICO
Origin: UAE, China

➤ Security and Other Services

- ▶ Public Address (PA) System
Brand: BOSCH, AHUJA, DSPPA
Origin: Germany, China
- ▶ Surveillance System (CCTV)
Brand: DAHUA, IDIS
Origin: China, Korea
- ▶ Consultancy & Design-Drawings
- ▶ Annual Maintenance Contract (AMC)





FIRE PUMP & HYDRANT SYSTEM



Non-Return Valve



Y-Strainer



Butterfly Valve



Water Flow Indicator



Test & Drain Valve



Ball Valve



Pressure Gauge



Air Release Valve



Pillar Hydrant



Fire Brigade Connection



Fire Hose Cabinet



Landing Valve



Fire Hose Reel



Fire Hose Rack



Fire Hose Nozzle





FIRE PUMP & HYDRANT SYSTEM



End Suction Diesel Fire Pump



End Suction Electrical Fire Pump



Horizontal Split Case Diesel Fire Pump



Horizontal Split Case Electrical Fire Pump



Vertical Turbine Fire Pump Set Motor



Jockey Pump & Controller



Electric Pump Controller



Diesel Pump Controller



Pressure Reducing Valve



Casing Pressure Relief Valve



Waste Cone



Water Flow Meter



Flexible Joint



OS & Y Gate Valve



Supervisory Switch





HYDRANT & SPRINKLER SYSTEM



Upright Sprinkler



Pendent Sprinkler



MS Pipe



MS Fittings



Grove Fittings



Gas Suppression System



Gas Spray Nozzle & Valve



Foam Type Sprinkler



Fire Rated Double Door



Fire Rated Single Door



Fire Door Accessories



Exit Sign & Fog Light



Smoke & Fire Curtains



Fire Extinguisher





FIRE ALARM & DETECTION SYSTEM



Fire Alarm Control Panel



Fire Alarm Control Panel



Repeater Panel



NAC Power Supply



Loop Isolator Module



Heat Detector



Multi Detector



Sounder/Horn



Sounder with Strobe



Output Module



Input Module



Manual Pull Station



Manual Pull Station

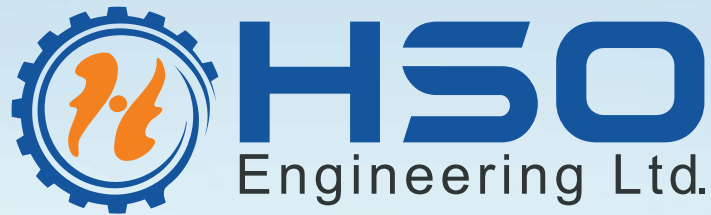


Fire Alarm Cable



Beam Detector





Our Valuable Clients

Pakistan



Bangladesh



CONTACT US

Pakistan Office

Office #1201, 12th floor AQ Bussiness Center,
Main Jinnah Avenue, Bahria Town Karachi, Pakistan

Bangladesh (Dhaka) Office

House#24/3, R#02, Borotac,
East Badda, Dhaka-1212

Bangladesh (Chottogram) Office

House#3702/5058 Arman House (2nd Floor)
Mailer matha 2No. Bus stop, Sheikh Mujib Road

Phone:

+880 1329-683 580
+880 1329-683 581
+880 1329-683 583

E-mail:

mhossain@hsoengineeringltd.com
momid@hsoengineeringltd.com
msharif@hsoengineeringltd.com

Website:

www.hsoengineeringltd.com