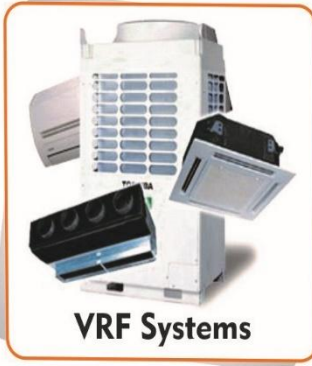


Complete
M.E.P
Solutions

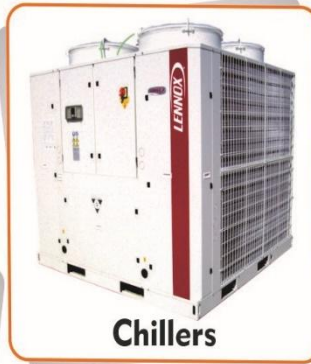
SCHRACK
SECONET



CENTRAL AIR-CONDITIONING



VRF Systems



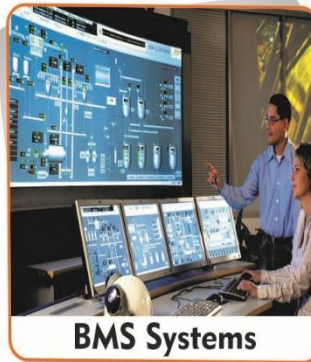
Chillers



Lifts



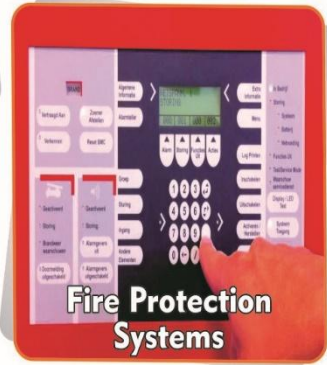
Power Generators



BMS Systems



Package Type RTUs



Fire Protection Systems

MGH

MGH ENGINEERING & CONTROL (PVT) LTD

Complete M.E.P Solutions

Power Generation
HVAC, Fire Protection
Building Controls

Karachi Office:

R-8, Block-D
Behind Lavish Dine
Gulshan-e-Jamal
Rashid Minhas Road
Karachi-Pakistan.
Tel: +92 21 3468 8676

Head Office Lahore:

94-B, Sunflower Society,
J-1 Johar Town Lahore-Pakistan.
Tel: +92 42 3531 4521 - 22

Rawalpindi Office:

5-B-1, St No # 21,
Main Valley Road Westridge
Rawalpindi Cantt.
Tel: +92 51 873 9520

E-mail: info@mgheng.com

Website: mgheng.com

E-mail: info@mgpneid.com

Website: mgpneid.com

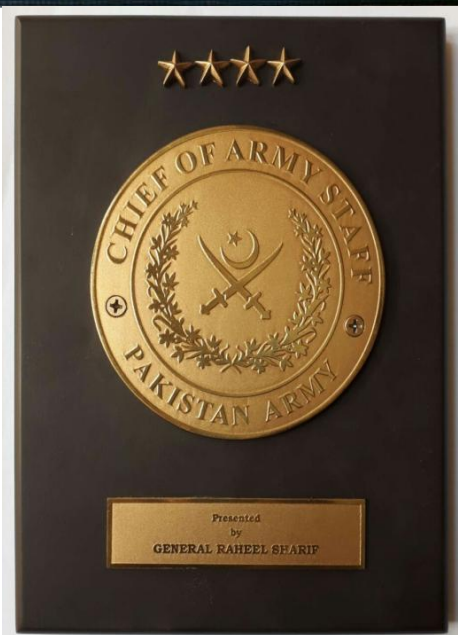
Table of Content

- Company Introduction
- Appreciation Certificate & Letters
- Fire Protection System
- HVAC (Heating Ventilating and Air Conditioning)
- Electrical Design and Engineering
- Elevators & Escalators
- Integrated BMS and Security System
- Civil and Infrastructure Development
- Client List



MGH ENGINEERING & CONTROL (PVT) LTD

COMPLETE M.E.P SOLUTIONS



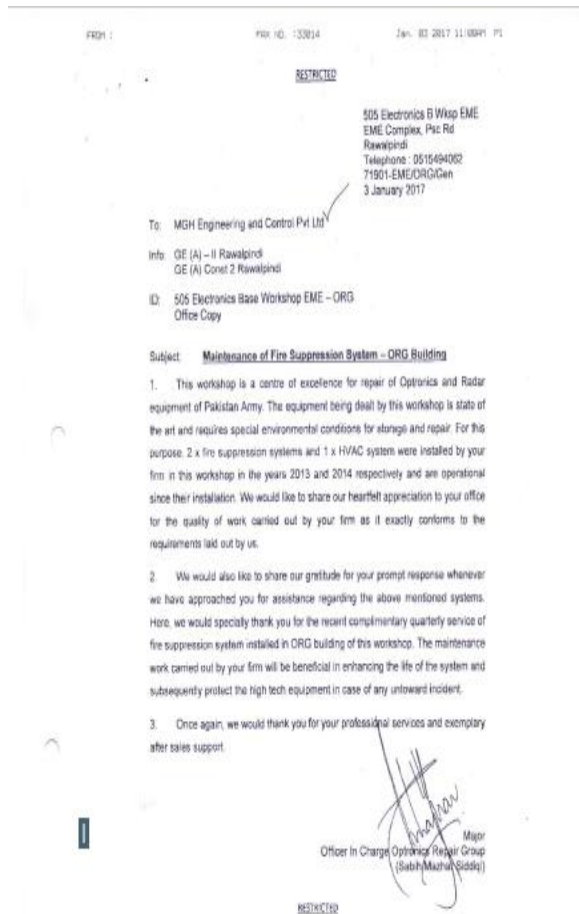


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NATIONAL FIRE PROTECTION ASSOCIATION

The leading information and knowledge resource on fire, electrical and related hazards

May 23, 2016

MGH Engineering
94- B Sun Flower Society J
1 Johar Town Lahore, Pakistan

Dear Dr. Mansoor,

Thank you for the permission to use the Allai Khuwar hydel power project video in the NFPA training on the subject of NFPA 830: Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations.

The video adds value to our training and we appreciate the opportunity to share it with our training participants.

Best wishes,

Tracy Gaudet
Project Coordinator
NFPA
1 Batterymarch Park Quincy, MA 02169-7471

FIRE PROTECTION SYSTEMS

MGH offers project specific fire risk assessment, value engineering design, and specification services for any size project. Our team includes degreed fire protection engineers, fire protection consultants, and certified designers with experience to ensure that proposals and projects are well designed and qualified upfront to meet any and all requirements.

MGH takes extra care to ensure all fire suppression systems installation and service work is completed only by our own licensed, factory trained, and certified professionals - we do not sub out any of our installations. Our field technicians and superintendents have an average 5 years with MGH. We take care to ensure our fire protection system installations are to the highest degree of quality and efficiency. We ensure our projects are completed on time and within budget.

Design, Supply, Installation & Commissioning of

Fire Detection & Suppression systems,

Addressable Panels,

Fire Alarming System,

Lift Controls & Alarming,

Flow Calc. for VESDA System,

IP Based UL& FM Listed systems,

Automatic Shut-down of Zone Air-conditioning,

Automatic Opening of Access Controlled Doors Air Sampling for Self-Sensitivity,

Adjustment of Detectors Annunciation of all zones Fire proof Doors,

Flow Calculation as per NFPA13

Hydrant System

Sprinkler System

Deluge/Foam Suppression System

Water Mist,

Clean Agent System

Passive Fire.



VESDA Arrangement



Industrial Fire Protection Systems

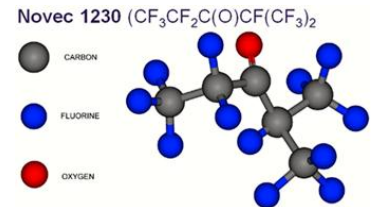
Our expertise is in the design and installation of special fire hazard technology and industrial fire protection systems, including the latest in fire alarm and fire detection systems.

Industrial Field Specialties

- f protection of gas turbine generators
- f chemical storage areas
- f bulk chemical offload sites
- f gas compressor stations
- f heat transfer systems
- f fryers
- f flammable liquid operations
- f ...and more

Technology Field Specialties

- f semiconductor tool fire suppression systems
- f clean room fire detection Systems
- f flight simulator fire suppression systems
- f telephone switch/electronic data processing fire detection and fire suppression systems
- f ...and more



HVAC SYSTEM

Designing and planning of Air conditioning system for comfort cooling/heating of multistoried buildings, offices, hotels, private residences, hospitals, auditoriums and all mechanical works like M.S structure compressor and dryer complete installation M S tanks Gas pipe line & Civil, Electrical.

Installation of Air conditioning system for comfort cooling/heating of multistoried buildings, offices, hotels, private residences, hospitals, auditoriums etc.

Our company has a very good team of qualified, well experienced engineers. Having vast experience on the field of heating, ventilation, air conditioning and refrigeration.

The company is fully capable of designing, supply, installing, commissioning, trouble shooting and maintaining any type and size of HVAC system.

Services

Every Organization faces challenges that push the boundaries of the Capabilities. Increased competition. Greater focus on added complexity is all major concerns. Our services help our clients further. To get profit from new opportunities and ensure the efficiency and capability needed for long.

We are committed to provide is high quality services in the Following fields:

EPM (Engineering, procurement, Manufacturing) Project Management

Feasibility Studies

Equipment Installation

Plant Commissioning

Front End Engineering Design

Complete field construction design including for process facilities

Detailed HVACR design including shop drawings

VRF system

Chillers AHUs CRACs

Ducting works

Plant Operation & Maintenance Annual Plant Turnarounds Copper piping works & all allied work

We offer Variety of mechanical services of utmost quality to our clients including

Assembly, installation, commissioning. These include



Stationary equipment installation

Rotary equipment installation

Stationary and rotary equipment dismantling

Carbon steel piping, fabrication and installation

Stain less steel 304, 3041, 316, 316 I piping fabrication and installation duplex

Piping, fabrication and installation. Aluminum welding works

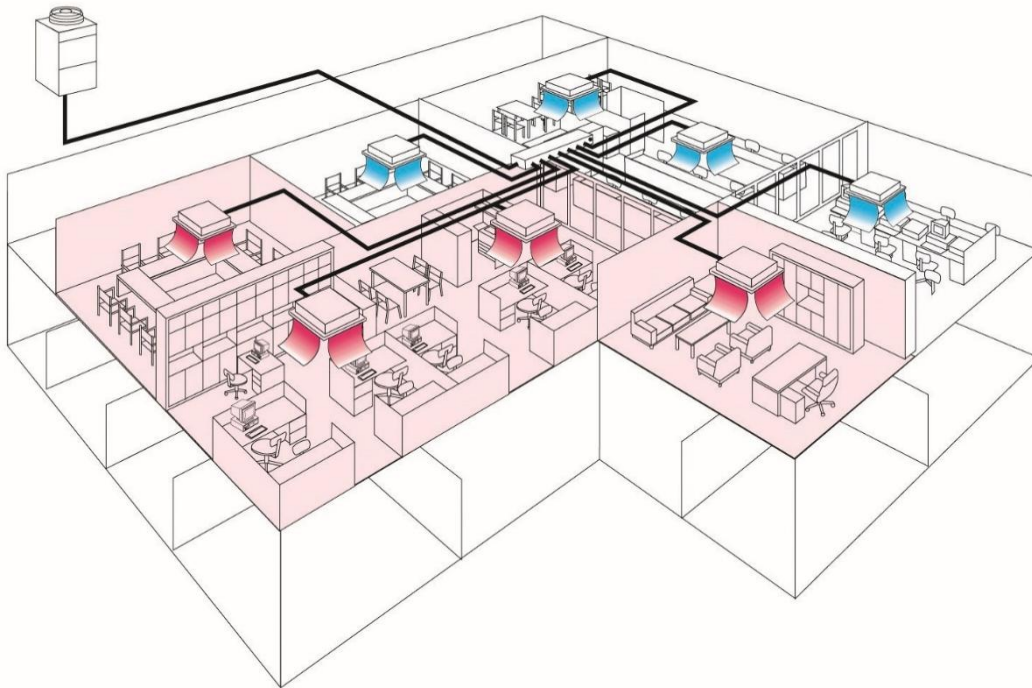
Copper welding works

Shop manufacturing on site manufacturing Shop galvanizing

Tanks/ vessels fabrication and installation.

Steel structure fabrication and installation. Insulation

Painting



ELECTRICAL DESIGN AND ENGINEERING

Having personnel with industrial electrical backgrounds, we provide specialist electrical services to the industrial, commercial and manufacturing sectors.



We have built a reputation for high quality service and innovative solutions. Our client base includes companies, individuals & many prominent operators within the manufacturing and service industries in Pakistan.

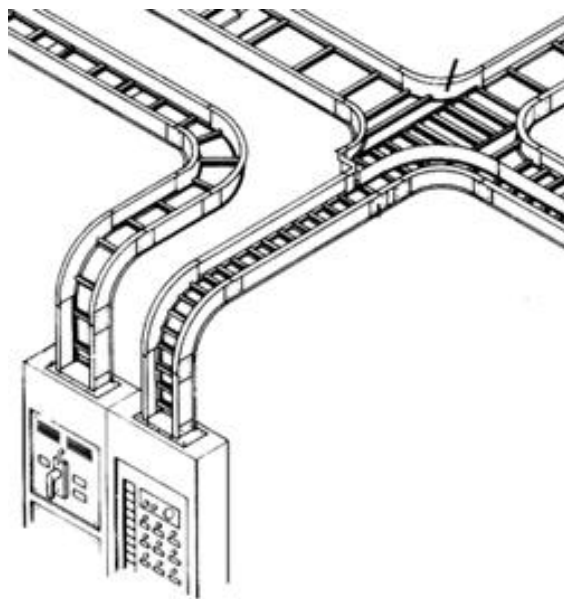
With the understanding that any breakdown is a serious matter for our clients and with this in mind we aim to be available within 45 minutes of receiving the callout, 24 hours a day, 7 days a week.

We undertake work in all remote regions of Pakistan & thrive on challenge, responding and adapting to the demands of our clients and building strong relationships.

With a strong emphasis on quality and value added service; MGH Engineering's focus is to meet the needs of our customers. The end result is a family oriented workplace where every employee approaches their job with pride. A strong emphasis is placed on safety, the use of quality materials and providing highly trained personnel for each project.

MGH provides turnkey electrical services from preconstruction planning to ongoing maintenance. The MGH team has specialized experience with projects in the areas of Healthcare, Technology, Commercial/Retail, Hospitality, Industrial plants and Renewable Energy. We approach every job with responsiveness, integrity and attention to detail which has earned us an industry wide reputation for quality.

Founded on the philosophy that when it comes to business, to truly succeed, the business participants must be persistent, passionate, and knowledgeable and have an unwavering commitment to integrity.



ELECTRICAL DESIGN AND ENGINEERING (HT)

Supply, Installation & Commissioning of

- Transformer Protection Relays
- Power Controls Substation Automation Copper Meshing
- Power poles
- Auxiliary Panels.
- Lighting Protection System
- Earthing System (Thermo weld type) Cable Laying.



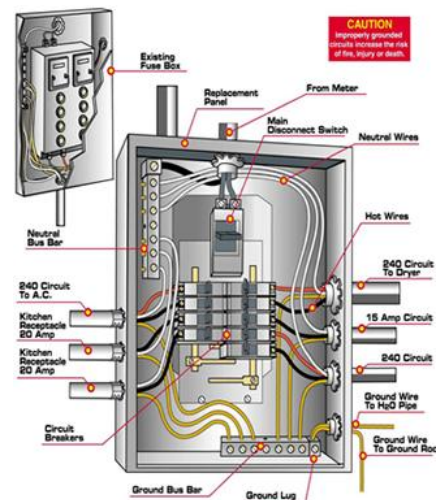
ELECTRICAL DESIGN AND ENGINEERING (LT)

Design, Supply, Installation of Power

Management Systems including: -

- In- house Switchgear fabrication
- Cable ladders /trays (in- house, imported) Earthing
- Energy efficient Lighting.
- Power Distribution.
- LT to Local Service Panels/DBs.
- PFI, ATS/AMF, Synchronizing & Load Sharing Panels etc.
- Automatic Switchgear Panels.
- Maintenance and Alteration Services for installed Power Distribution Systems.
- Diesel, Gas Fired Prime/Standby Generators
- Auto Fueling System

Fuse Box To Breaker Panel / Install • New



We have expert teams to deal with all the electrical tasks assigned to us & also provide the following services in electrical field:

Building electrification

Plant electrification

Cable laying and termination

Grounding

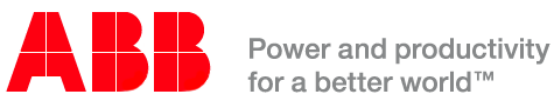
UPS

HV, LV and control voltage systems

Safety is the number one focus of each and every employee at MGH. Our team of highly trained professionals has a great track record when it comes to safety. Working directly with our construction partners, we keep our projects safe



for our employees and project.



Passenger & Cargo Lifts

Design, Supply, Installation of Passenger & Cargo

Lifts

Specialized in Made-to-order elevators, as well as modernization and service of existing equipment

Customized Products and services likely to meet the most stringent demands for vertical transportation for client at Telecom, Banking as well as commercial buildings.

Wide selection of solutions incorporating standards and directives on quality, safety and environment with In-house trained Engineers

24 Hours helpline

For quick responsiveness, we have service branches strategically located throughout the Country. When it comes to elevator performance, we have the knowledge and experience needed to keep your elevator operating safely and efficiently.

Energy efficient products.



SRH
SAFE REACH

 **KLEEMANN**
Your 1st Choice in Lifts



INTEGRATED BMS & SECURITY SYSTEM

- HVAC Lighting CCTV
- Access Control System
- Perimeter Security
- Road Blockers
- Under Vehicle Inspection
- Lift Controls & Alarming
- Main Power Utilities Transformers Generators
- Electronic Metering System. Remote Monitoring & Control



SYSTEM INTEGRATION

MGH Engineering as a System Integrator introduces state of the art technologies, products & solutions and provides innovative yet cost effective solutions to commercial, industrial and Defense sectors with local & international partnerships.

MGH Engineering comprises of highly committed and qualified professionals to deliver high quality and reliable solutions developed to best suit the local market. We also maintain an efficient maintenance team to ensure adequate technical support.

MGH Engineering with its local partners is Joint Vision Premier Channel Partner and Solution Partner of Advantech for Industrial and Military Grade solutions. We also represent many other OEM partners and manufacturers of Industrial / Military grade parts / products: -

Product lines & applications

- | | |
|-----------------------------------|----------------------------------------------------|
| Switchgear and MCC Control panels | Applied Panel Computing / Medical ComputingNetwork |
| PLC and SCADA Systems Distributed | Appliances / Compact PCI |
| Control Systems DCS | Automation Control / Human Machine |
| Building Management | Interface Distributed and Industrial I/O |
| Systems Embedded Computing | Digital Video Platforms / eVideo Solutions |
| Industrial and Military | Data Acquisition Systems |
| Computing ARM/XScale | |
| Embedded Computing | |

Our Solutions Cover Variety of Industries/ Applications

Factory, Machine and Building Automation

Industrial Video Surveillance

Facility Management System

Intelligent Transportation Systems

Environment Monitoring Systems & Telecommunication

Automatic Test Equipment / System on Chip (SOC) / System on Module (SOM), Mobile

Computing / Medical and eHealthcare / eHome and Smart Home Networking

Being the system integrator, the services include the completion of turnkey projects of the control system from the designing of the system up to the successful commissioning. The equipment selection, instrumentation, electrical panels, PLC/DCS and process control system, Ladder diagram/Function block/STL programming, HMI development, installation, pre-commissioning and commissioning of the system are included in the engineering services area.



area.



CIVIL & INFRASTRUCTURE DEVELOPMENT

MGH is an integrated infrastructure provider, delivering civil works services such as

Development of Data centers Corporate & office spaces Control Rooms

Clean rooms

Telecom rooms

MGH has a sound track record of managing development projects. Our team is continuously developing and implementing tools to successfully manage project.

Our project management rules are.

Consensus among stakeholders on project outcomes

Manage a best project management team

Plan and keep up to date

Determine and manage resources

Develop effective communication structure

Keep change up to date

Develop responsible and accountable structure

In order to ensure firm control on progress, efficiency and productivity, We utilize best of its expertise and system management which enable it minimize waste and improve performance.





EMPORIUM
by Nishat Group



Dolmen Mall



LUCKY CEMENT



TUWAIQI STEEL MILLS



SIEMENS

