



Company Profile



Electro-mechanical Engineering Solutions

Introduction



Electro-mechanical Engineering Solutions is an engineering company in the field of industrial services. **Electro-mechanical Engineering Solutions** was founded in year **2015** by a core team of highly experienced professionals aimed to support the industry and community with solutions and services based on advanced technology from reputed vendors.

Our Scope

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. we provide the best services to our clients for the products and knowledge that fulfill their requirements.

Our expertise:



We provide following services to our valued clients:

- ❖ Industry 4.0/ Smart Factory
- ❖ Automation Solutions
- ❖ Industrial Instruments
- ❖ HVAC Solutions
- ❖ Generator & Motor Maintenance
- ❖ Industrial Maintenance Contracts
- ❖ Procurement & Sales
- ❖ Industrial Trainings
- ❖ Advance Embedded System Trainings

Industry 4.0

Our vision is to transform your industry to the smart industry using different remote access devices. It is our ambition to work on new technology and guide our client about the latest technologies. Industry 4.0 enables you to excess your plant remotely, less trouble shooting time, reduce break downs in system, provide timely notifications, precise system reports etc.



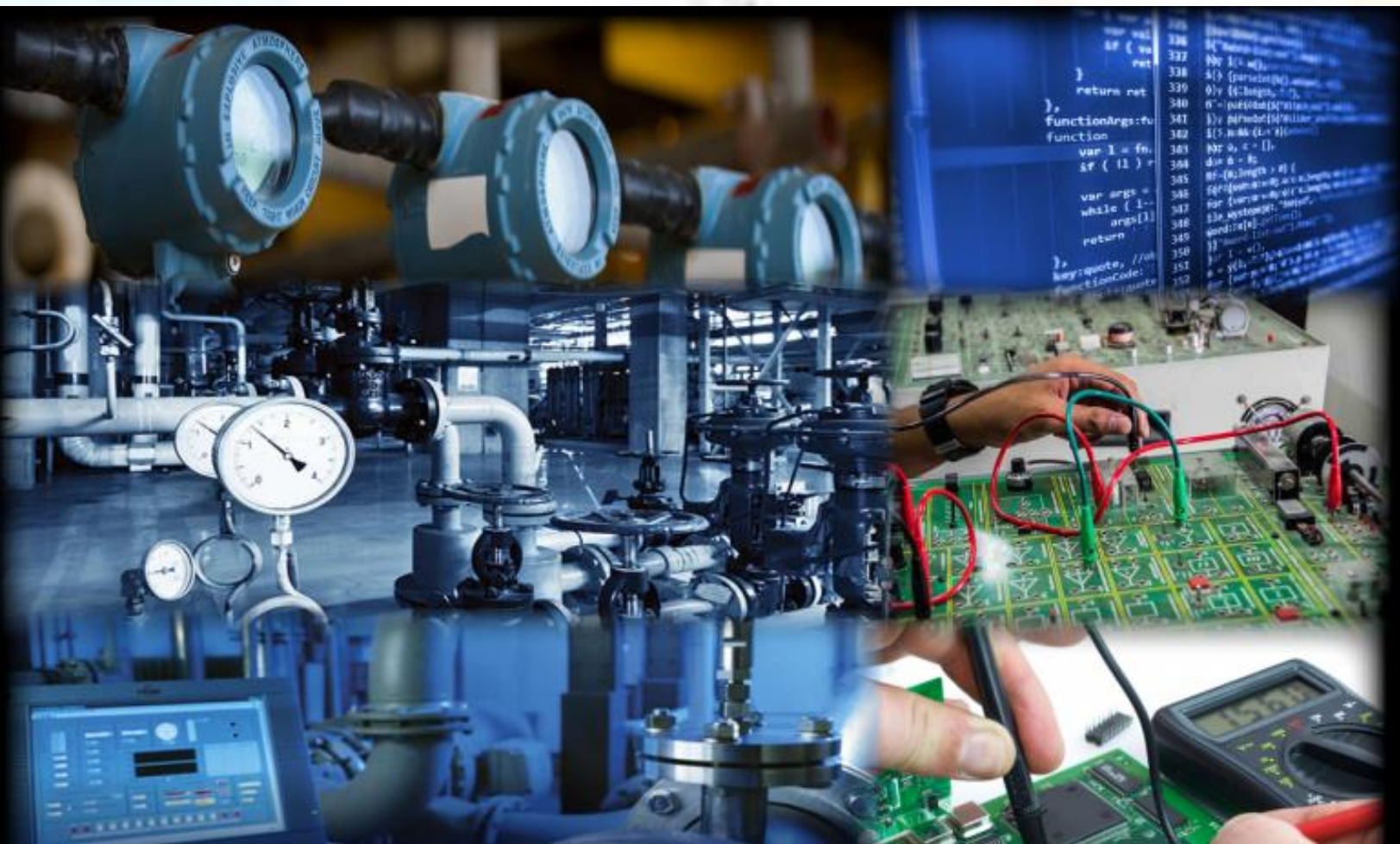
Automation Solutions

We have specialized project team which give more reliable and cost-effective industrial automation solutions. We are leader in design, development, and implementation in providing process and machine automation solutions and services to a variety of industries and manufacturing technological solutions that result in reliable control and automation systems. We deliver outmost low-cost embedded solutions at industrial level. Our innovative ideas in IOTs are very reliable and beneficial for every type of industry.



Industrial Instruments

We have wide range of high accuracy sensors and transmitters for different industrial applications. We deal in calibration of instruments according to the international standards. We also provide measurement devices like energy analyzers, digital multi meters and temperature controllers etc. Our service team will support you 24/7.



HVAC Solutions

Electro-mechanical Engineering Solutions have a versatile team in the field of HVAC following the international standards. Our HVAC work based on calculations and design formulas' that results the best HVAC system for your plant as per your requirement.



HVAC Services

Our design and services for all HVAC has been implemented as per the international standards and our technical team try their best to implement this practice in our projects particularly for pharmaceutical industries. All the work will be performed according to GMP Requirement.

Our company provide following services in HVAC:

- Design and Installation of HVAC System and component
- Heating & Cooling load calculations
- Maintenance Services
- Air Conditioning and Refrigeration systems
- Heating, Ventilation and Extraction
- Cooling Towers & Air Handling units
- Ducting & Piping System Fabrication
- Chillers and Boilers installation
- Ventilation and Condensation Control
- Products Storage house
- Ducting & piping Layout
- Air flow schematic Diagrams
- Air & Water balancing
- Testing of duct leakage
- Humidifier & Dehumidifier load calculation
- Installation of SPU ducts type units
- Installation of CTU
- Installation of wall mounted units
- Air lock design
- Selection of air Filtration system
- Absorption & vapor compression installation & commissioning;
- Building Management system
- Electrical Power & controlling system
- Plumbing & drainage system
- Qualification of all the HVAC system

HVAC Solutions

Understanding the parts of your HVAC system can help you maintain it properly, and learning about your heater and air conditioner makes finding and fixing problems easier. That way, you can prevent inconvenient, expensive breakdowns, keep your system working at peak efficiency.

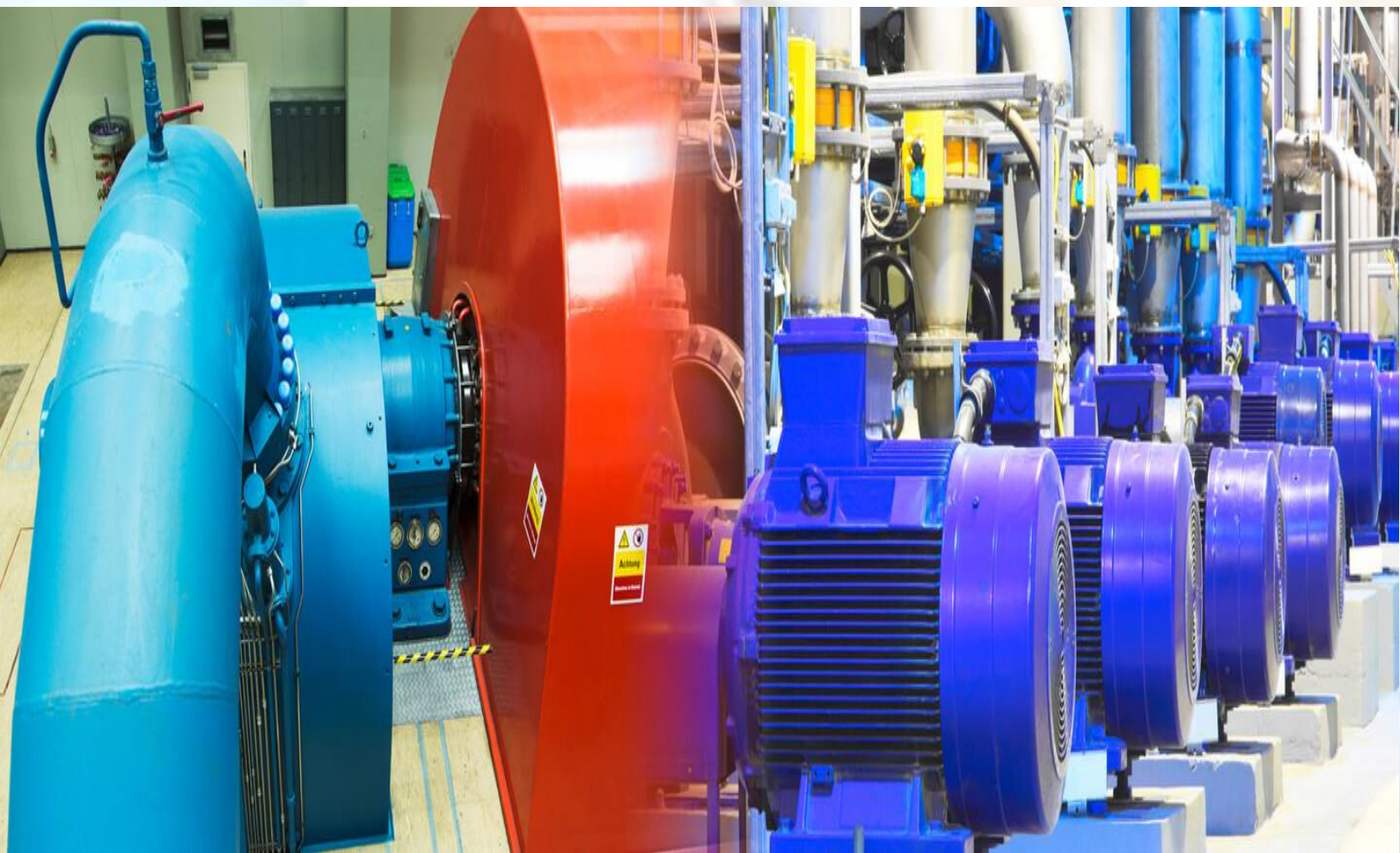
The most necessary equipment's are as follows:

- Air Handling Unit
- Chiller
- Blower, Motor and pumps
- Cooling Tower
- Ducts
- Exhaust Fans
- Piping system



Generator & Motor Maintenance

We deal in all type of generator installation and overhauling. We provide motor drives specially servo and stepper and also rewind motors and other maintenance work related to mechanical and electrical domain. Our electrical team also guide you about the most appropriate inverter for your motor according to their ratings.



Maintenance Contracts

Our field service engineers are expert in machine maintenance. They will hand over your all problems related to breakdown in industry. Our industry-specific expertise allows us to provide our clients with the most innovative strategies and solutions. Our service support team will ensure maximum uptime.



Procurement & Sales

We supply all type of industrial equipment like breakers, relays, contactors, PLC, HMI, safety PPEs, transmitters, invertors, flow meter etc. We provide best quality products in all industries of Pakistan. Our devices are reliable, cost effective and user friendly. We have all types of microcontrollers, electronics components, sensors, transducers, actuators to transform your ideas of technology into reality.



Industrial Training

Our highly professional trainers provide industrial trainings on Programmable Logic Controller (PLC), Human Machine Interface (HMI), Supervisory Control and Data Acquisition (SCADA) and Electrical System Design. We believe in high quality of educational background for industrial technicians and engineers.



Embedded System Trainings

We have highly professional trainers for embedded trainings. Our course is design to cover all aspects relevant to programming and designing all systems with intelligence. We provide trainings on raspberry Pi, Arduino, pic microcontrollers, system designing and robotics.

Embedded Systems Training



Our References

Clients are always our respected partners

It's our pleasure that we have worked with multinational as well as in local industries of Pakistan. Some of these industries are as follows where our experienced engineers provide their services.



Our Leadership

Engr. Sheheryar Tahir

Sr. Sales & Services Engineer

M: 0092 3014154848

E: sheheryar.tahir@emesolutions.com.pk

Engr. Zeeshan Hafeez

Business Development Executive

M: 0092 3014134848

E: zeeshan.hafeez@emesolutions.com.pk

Engr. Riaz Raza

Design & Application Engineer

M: 0092 3014164848

E: Riaz.raza@emesolutions.com.pk

Engr. Zubair Khalid

Jr. Sales & services Engineer

M: 0092 3014264848

E: zubair.khalid@emesolutions.com.pk



Head Office: 559, J2 Block
Johar Town, LHR | Pakistan

E: info@emesolutions.com.pk