



## Ravi-Tech Manufacturing (PVT.) LTD



# BUSINESS COMPANY PROFILE

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# ABOUT COMPANY

Ravi-Tech Manufacturing (Pvt.) Ltd. is an ISO 9001:2015, ISO 45001:2018 and OGRA certified company, Ravi-Tech provides quality Engineering services in the areas of project management, engineering, manufacturing and construction to domestic and overseas clients. M/S Ravi-Tech Manufacturing (Pvt.) Ltd. was Incorporated in the year 2013. The Company established a Manufacturing & engineering offices at 2,500 SFT, stores area 1320 SFT and open yard is 49,180 SFT.

Shop has a comprehensive range of machine tools and auxiliary equipment's to undertake the manufacturing and repairing of many diverse items of industrial units such as Pressure Vessels, LPG Storage Bullets, LPG Road Browsers, Pressure Vessels, Heat Exchangers, Water Treatment Plants, Evaporators, Condensers, API 620& 650 Storage Tanks, and Boilers etc. The Company has capabilities to undertake Engineering and Construction services for industrial units like Chemical & Petrochemical Plants, LPG facilities, Oilfields, Sugar Mills, Power Plants, Cements, Foods & Beverages Industry etc.

## VISION & MISSION

Our vision for Ravi-tech Manufacturing Private Limited embodies who we are, individually as a company and reflects our core values and the path we follow in pursuit of providing our clients with unmatched performance, unparalleled accountability and the highest level of satisfaction in the industry.

Our Mission is to provide tradition of excellence services exceeding our client's expectations and recognized locally and internationally through:

**01** Building Robust Client Loyalty. Generate a loyal customer base via full integration with client-driven alliances

**02** Adopting Optimal Engineering Methodologies. Deliver superior value, flexible, cost-effective, and integrated engineering solutions in compliance with the latest design/construction international and local codes and standards across our extensive project portfolio.

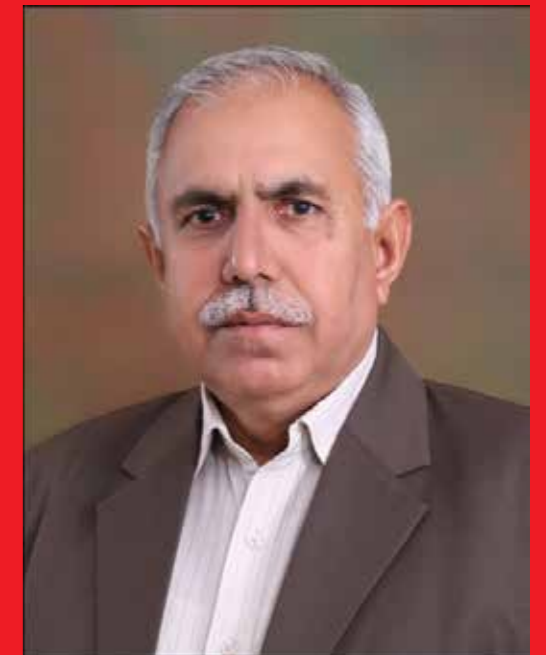
**03** Empowering Effective Corporate Communication. Develop collaborative communication networking channels to inspire and mobilize all Ravi-Tech Manufacturing (Pvt.) Limited resources at hand to reach out for their full potential.

**04** Endorsing Proactive Planning. Design the blueprint for future development and secure sustained strategic repositioning to effectively maneuver rapidly fluctuating global, regional, and local market conditions.

## C.E Message

*"We provide a full-court press in engineering for our client's patronage."*

"Customers come first, "This calls for us to create a robust operating platform capable of delivering consistent growth and progress under any conditions. We announced our company slogan 'Delivering a better tomorrow' which captures the essence of the RAVI-TECH's Philosophy. Our overriding philosophy of placing clients at the heart of everything we do is an indelible part of our DNA and remains unchanged. Our dedication to contributing to our field through the improvised Engineering ideas is also unwavering. We seek to deliver a better tomorrow as a trusted partner to our clients, embodying the values of entrepreneurial leadership, teamwork and integrity."



**M. B. Zahid**  
CHEIF EXECUTIVE

## OUR VALUES

Our guiding principle, simply stated, is to treat others with whom we come in contact our customers, colleagues, shareholders, suppliers, and communities, in the same way we would expect to be treated in similar circumstances. More specifically:

- **Our Customers:** To provide good value, to deliver fully on our commitments, to meet or exceed service requirements, and to respond with innovativeness and personalized attention.

- **Our Colleagues:** To provide everyone, hourly and salaried, new and veteran, with opportunities; and a safe, trusting and respectful environment to become a model for diversity, teamwork and open communications throughout our Organization.

- **Our Suppliers:** To treat our suppliers fairly and forthrightly, to live up fully to our agreements, and to develop solid and stable long-term relationships.

- **Our Communities:** To be good corporate citizens, respected and admired as much for our integrity, commitment, insight, and progressiveness as our financial success.

## Certifications

**ISO 9001:2015**

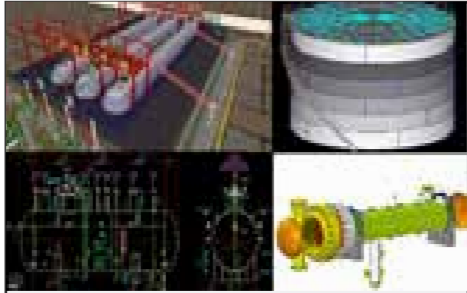
**ISO 45001:2018**

**(OGRA) Oil And Gas Regulatory Authority**

**Pakistan Engineering Council**

**Lahore Chamber Of Commerce And Industry (LCCI)**

# RANGE OF SERVICES



## Design & Detail Engineering

Ravi-Tech Manufacturing (Pvt.) Ltd. is providing the Design Services for different types of Boilers, Pressure Vessel, Heat Exchanger, UL-58/UL 1746 Underground Storage Tanks, API 650/API 620/API 635 Storage Tanks, Plant Piping, Dairy, Food, Beverages & Pharmaceutical Plants, Conveying System, HVAC & AHU & MCU System and Steel Structures. Our Designing Engineers have vast experience and immense knowledge of most relevant codes & standards and work with client to ensure compliance with codes and regulations.



## Manufacturing Facility

Ravi-Tech offers in-house design, engineering and manufacturing work for single or complex projects. Our goal is to continue the development of our long term business relation by delivering quality workmanship, efficient production at a competitive cost, while making customer satisfaction our top priority. Ravi-Tech is fully-capable of providing manufacturing services for commercial and industrial facilities such as Chemical & Petrochemical Plants, LPG facilities, Oilfields etc.



## Pressure Vessels

Ravi-Tech Manufacturing (Pvt.) Ltd. has the capability and capacity, resources, and experience to design and manufactures pressure vessels. Our skilled Staff, Craftsman and highly experienced certified Welders/CO2/SAW Operator are fully capable and committed to proper manufacturing of pressure vessels to top specifications of our clients.



## Dairy, Food & Beverages

Ravi-Tech Manufacturing (Pvt.) Ltd. is fully capable to provide services for Dairy, Food & Beverage Plants. From SS process piping, Structure, Stainless steel mixing tanks, Silos up to Hygienic Air Ventilation HVAC, AHU & MCU systems are custom designed to suit every detail required by the customer. There are many options to consider which Ravi-Tech work through with the customer and assist in finalizing the best design for client's process requirements.



## Erection

Ravi-Tech Manufacturing (Pvt.) Ltd. takes pride in having highly skilled team of professionals able to work in tough environment of Refineries, Chemical, Petro-Chemical, Fertilizer, Power, Cement plants, Dairy & Beverage plants for construction, revamping maintenance & turnaround projects, having key strength skilled personnel with experienced supervisory & management team having vast exposure to various plants across the country and abroad.



## Plant Piping

Ravi-Tech Manufacturing (Pvt.) Ltd. is specialized in the fabrication, installation & layout design of power & process piping systems used in various fields, such as Oil & Gas Power Plants, Chemical Plants Petrochemical & Refineries, Dairy & Food & Beverages, Fertilizers, Sugar & Cement Industries. Our Services include; all pipe work not only limited to CS and SS but Alloy Steel Piping also.



## Storage Tanks

Ravi-Tech Manufacturing (Pvt.) Ltd is a market leader in tank engineering, fabrication, construction, modification, maintenance, and repair as well as relocation of aboveground storage tanks. Our capabilities cover a full spectrum of services associated with the atmospheric and pressurized tanks for liquid, gas and bulk storage, and turnkey terminals.



## Civil Construction

Ravi-Tech Manufacturing (Pvt.) Ltd has expert Managing team, experienced Civil Engineers, and qualified & well-trained workforce keeping your general civil construction projects on time and within budget. Ravi-Tech provides general civil construction services for Pre-engineered buildings, New Industrial & Commercial Buildings, Green Building's, Roads, Concreting Services, Facility upgrades, Renovation & Landscaping.



## E&I

Ravi-Tech staff specializing in E & I services is available for onsite services. We have the industry know - how and vast experience in the chemical, oil, steel, petrochemical, power generation, Dairy Food & Beverages and other heavy engineering industries. We are exception ally qualified for challenging and highly complex E & I projects. We successfully deliver superior comprehensive electrical and automation projects to major operators throughout Pakistan.



## Operation & Maintenance

Ravi-Tech Manufacturing (Pvt.) Ltd. can confidently render its Services by utilizing our cost-effective practices all for a variety of maintenance projects including long term Turnarounds / Shutdowns, Retrofit Projects comprising of Plant Modifications, Revamping, De-bottlenecking, Expansion Projects, R&D and Manpower Supply Services. Our integrated operations and maintenance (O&M) services improve plant efficiency, productivity, and safety while reducing costs.



## Boilers & Heat exchangers

Ravi-Tech can provide everything you need to upgrade project to standards that will secure future reliability, efficiency and cost-effectiveness. As a boiler services provider with vast experience, our team work across Pakistan, supporting customer operations with the delivery of outstanding repair and maintenance services. We identify and eliminate risks and work with you to minimize downtime and maximize value in line with your specific objectives.



## HVAC

Ravi-Tech's team of designers and engineers have utilized their many years of experience, working on the tools, to provide our clients with the very best mechanical design and installation service for Hygienic Air Ventilation HVAC, AHU & MCU systems. Our design and build service for all HVAC systems have been successfully implemented in many commercial environments.

# MANUFACTURING WORKSHOP FACILITY



Ravi-Tech offers in-house design, engineering and manufacturing work for single or complex projects. Our goal is to continue the development of our long term business relation by delivering quality workmanship, efficient production at a competitive cost, while making customer satisfaction our top priority.

The Company established a Manufacturing works at total area of 64000 square feet which have a diversified fabrication shop at 11000 SFT and admin & engineering offices at 2,500 SFT, stores area 1320 SFT and open yard is 49,180 SFT. Shop has a comprehensive range of machine tools and auxiliary equipment's to undertake the manufacturing and repairing of many diverse items of industrial units such as Pressure Vessels, LPG Storage Bullets, LPG Road Browsers, Heat Exchangers, Boilers, Steel Structure, Water Treatment Plants, Evaporators, Condensers, UL-58/UL1746 Underground Storage Tanks, Stainless Steel Tanks & Silos & skids, etc.

Ravi-Tech is fully-capable of providing manufacturing services for commercial and industrial facilities such as Chemical & Petrochemical Plants, LPG facilities, Oilfields, Sugar Mills, Power Plants, Cements, Dairy, Foods, Beverages & Pharmaceuticals Industry etc.





# PRESSURE VESSELS

Ravi-Tech Manufacturing (Pvt.) Ltd. has the capability and capacity, resources, and experience to design and manufactures pressure vessels. Our skilled Staff, Craftsman and highly experienced certified Welders/CO2/SAW Operator are fully capable and committed of proper manufacturing of pressure vessels to top specifications for our clients.

The Pressure Vessels manufacturing is performed at our high spec and heavy duty steel fabrication workshop situated in Lahore, Pakistan. Also local and oversea onsite manufacturing services are provided depending upon project's specification.



Ravi-Tech is following ASME Boiler & Pressure Vessel Codes & Standards to manufacture pressure vessels. Quality of our pressure vessel is ensured by our expert quality supervision staff and qualified inspectors who strictly inspect the pressure vessel by using pressure testing, ultrasonic testing, ultrasonic phased array and x-ray testing techniques.

We deal in all kind of pressure vessels that are compliant with Section VIII, Div 1 of the ASME code and standard. Our Designing team perform designing of pressure vessels as per ASME various type of thick and thin walls horizontal and vertical pressure vessel for Oil & Gas Sector, Chemical Plants, Process Industry, Dairy & Beverage Plants and Refineries. Following is the range:

- \*LPG Tanks & Bullets
- \* Air Receiver Vessels
- \*LPG Bowsers
- \*Columns
- \* 3-Phase Test Separators
- \* Buffer Vessels
- \*Knockout Vessel
- \*Ammonia Vessels

# DAIRY, FOOD & BEVERAGES



Ravi-Tech Manufacturing (Pvt.) Ltd. is fully capable to provide Stainless Steel services for Dairy, Food, Beverage and Pharmaceutical Plants. Our services include;

Stainless Steel Process Piping,  
Stainless Steel Utility Piping  
Stainless Steel Structure,  
Stainless steel Mixing, Acid & Caustic Tanks,  
Stainless Steel Silos,  
Stainless Steel Whey Storage Tanks  
Stainless Steel Cheese Vats  
Steam Jacketing/Heat Tracing  
Stainless Steel Evaporators & Mixer Hoppers  
Butter Plant  
Waste Water Treatment plant  
& Equipment Installation services are provided up to every detail required by the customer.

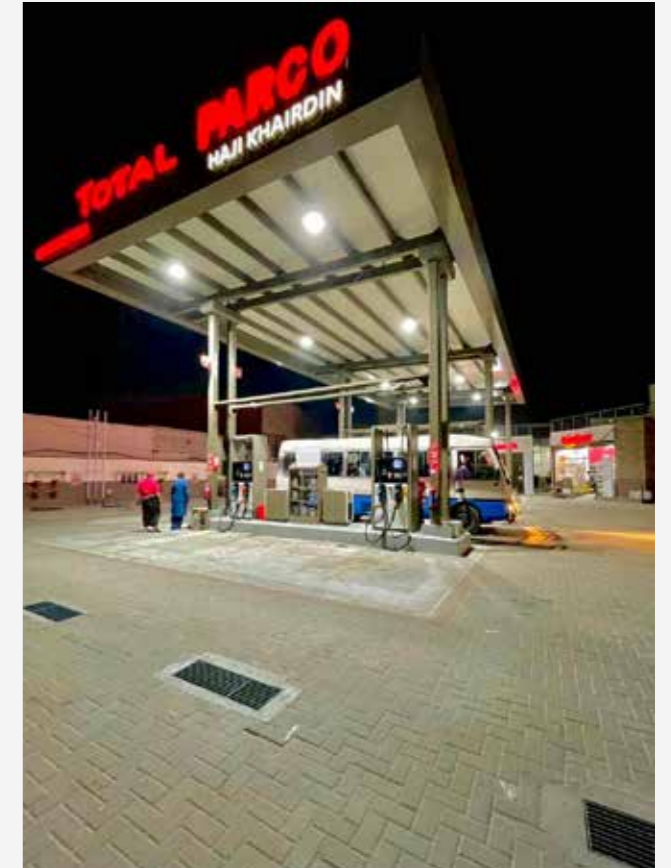
In order to determine the best design for the client's process requirements, Ravi-Tech works with the client to examine all of the best options that are available.



# ERECTION

Ravi-Tech Manufacturing (Pvt.) Ltd. takes pride in having highly skilled team of professionals able to work in tough environment of Refineries, Chemical, Petro-Chemical, Fertilizer, Power & Cement plants, Dairy & Beverage plants for construction, revamping maintenance & turnaround projects, having key strength skilled personnel with experienced supervisory & management team having vast exposure to various plants across the country and abroad.

Ravi-Tech has substantial and successful experience in different field Erections. Our services include engineering, design, procurement, fabrication, field construction & erections, mechanical installation, piping and commissioning services. We lead to construct the plant to the most significant standards, aiming successful project execution and delivery, by reduction project downtime and costs.



Over the years, Ravi-Tech has developed project management skills to undertake the most multiplex projects. Our fully skilled professionals who are keen to adopt best practices and do not deviate HSE policy.

We bring extra advantage to the table with our manufacturing workshop which empowers us to provide in-house facilities for manufacturing of pre-fabricated assemblies maintaining remarkable quality standards. Based on client requirements, our project management teams may propose a combination of customized engineering solution with activity optimization to ensure maximum system productivity which is client's top priority.

Ravi-Tech's service experts ensure functionality and operational safety throughout the entire project. We take care of supply, fabrication, erection and commissioning of individual components or entire systems and plant, from checking the installation to parameterization, final acceptance, and instruction of clients operating team.





# PLANT PIPING



Ravi-Tech Manufacturing (Pvt.) Ltd. is specialized in the fabrication, installation & layout design of power & process piping systems used in various fields, such as Oil & Gas Power Plants, Chemical Plants Petrochemical & Refineries, Dairy & Food & Beverages & Pharmaceuticals, Fertilizers, Sugar & Cement Industries.

Our piping team has all the required skills and commitment to locate any potential system flaws

and offer thorough best on standard piping solutions. We make sure that the piping systems in your Plants are always operating to their full potential in order to achieve your piping goals and objectives.

Our Services include; all pipe work not only limited to CS and SS but Alloy Steel Piping also.





# STORAGE TANKS

Ravi-Tech Manufacturing (Pvt.) Ltd is a market leader in tank engineering, fabrication, construction, modification, maintenance, and repair as well as relocation of aboveground storage tanks and specialty vessels. Our competence in the construction of storage facilities dates back to the beginning of our organization.

We construct atmospheric storage tanks in accordance with API 650, API 620, and API 635 specifications. The traditional bottom-to-top strategy is used in tank construction. Our capabilities cover a full spectrum of services associated with the atmospheric and pressurized tanks for liquid, gas and bulk storage, and turnkey terminals. We serve our customers Onshore & Offshore with fast delivery of efficient storage solutions. Our professional staff has proven expertise in all areas of the tanks.

Tank repairs and maintenance are one of Ravi-Tech's main areas of expertise. We place special emphasis is on carefully reducing costs, improving repair

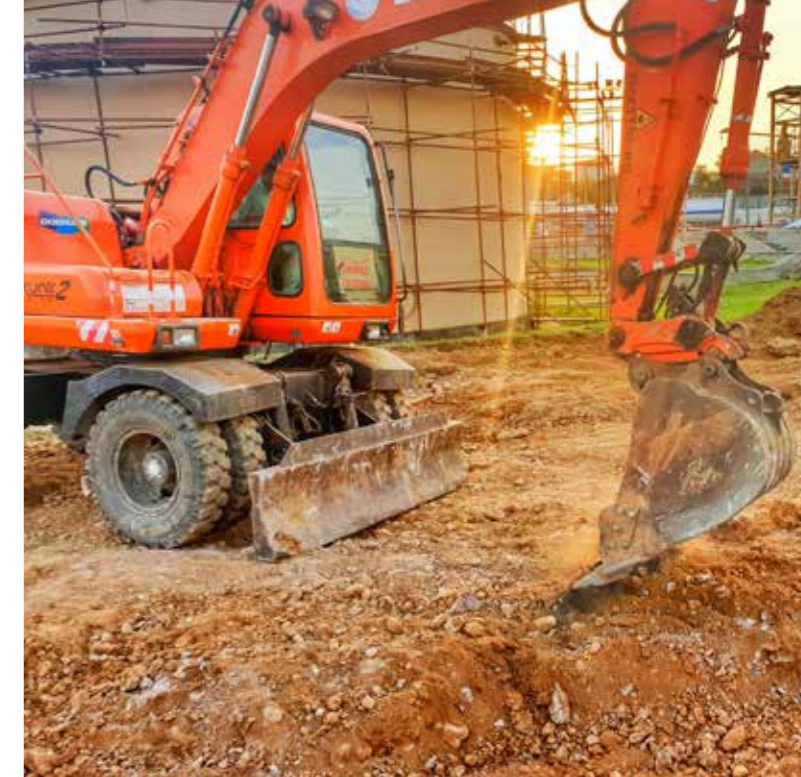
methodologies, elevating the standards of quality and enhancing productivity. This is what makes our solution not only efficient but also truly cost - effective.

Our tank repair and maintenance services range in scope from a single tank to entire tank farms. Our experienced crews have completed hundreds of replacements and repairs to tank bottoms, shells, nozzles, roof structures, steel floating roofs, seals and manways for tanks of all sizes.

Over the years many pioneering projects have been deployed by our team and successfully incorporated into existing projects.



# CIVIL CONSTRUCTION

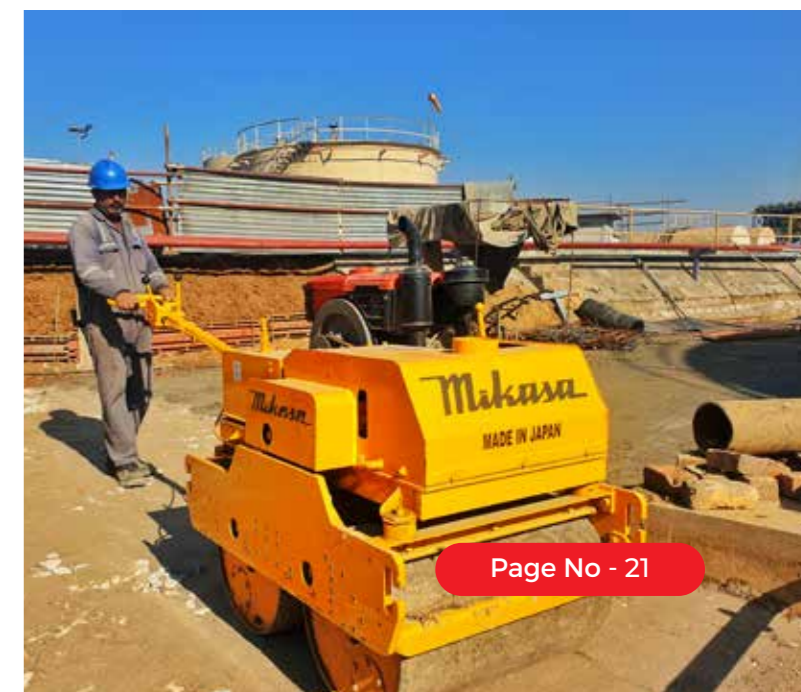
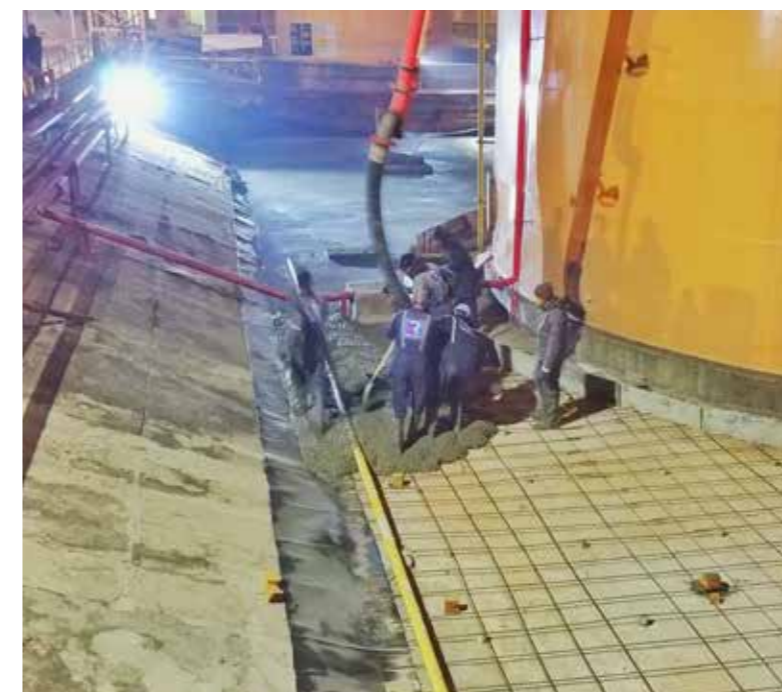


Ravi-Tech Manufacturing (Pvt.) Ltd has expert Managing team, experienced Civil Engineers, and qualified & well-trained workforce keeping your general civil construction projects on time and within budget.

to excellence is backed by many years of extensive experience. We strive to deliver only the highest quality in every project.

Ravi-Tech provides general civil construction services for Pre-engineered buildings, New Industrial & Commercial Buildings, Green Building's, Roads, Concreting Services, Facility upgrades, Renovation & Landscaping. All projects follow required specifications and are completed in a timely and costs effective. Our team's strong commitment

Whatever your project entails we have the qualified manpower and relevant experience. We offer solutions that are efficient, safe, functional and cost - effective. We make sure that the delivered services or end products not only meets all the requirements and specifications , but also create organizational value by fulfilling client's short - term goals in alignment with their long - term strategy.



# E&I (Electrical & Instrumentation)



Our E & I services team provides a complete range of support functions including modifications, work pack production, drawing and material procurement.

Ravi-Tech staff specializing in E & I services is available for onsite services. We have the industry know-how and vast experience in the chemical, oil, steel, petrochemical, power generation, Dairy Food & Beverages and other heavy engineering industries. We are exceptionally qualified for challenging and highly complex E & I projects. We successfully deliver superior comprehensive electrical and automation projects to major operators throughout Pakistan.

Ravi-Tech's team of most highly skilled professionals offers and executes standard and sensitive E & I services with strict adherence to safety requirements. Our service scope covers the complete instrument and controls technical spectrum helping our clients to minimize the costly interruptions and downtime. Additionally, when needed, we integrate complementary services like plant, machinery and manpower resourcing to create tailor-made solutions for specific requirements. We provide the industry with E & I asset support throughout project's entire lifecycle from installation, project management, inspection, verification management, completion, and validation through future modifications and repairs.





# OPERATION & MAINTENANCE

Ravi-Tech Manufacturing (Pvt.) Ltd. can confidently render its Services by utilizing our cost-effective practices all for a variety of maintenance projects including long term Turnarounds / Shutdowns, Retrofit Projects comprising of Plant Modifications, Revamping, De-bottlenecking, Expansion Projects, R&D and Manpower Supply Services.

Our integrated operations and maintenance (O&M) services improve plant efficiency, productivity, and safety while reducing costs. We provide the resources, materials, and equipment for all project stages, from feasibility studies to engineering to facility operations.



Whether onshore or offshore, we provide fit-for-purpose solutions that cover the entire asset lifecycle, including oil and gas plant operation and maintenance, shutdowns/turnarounds, expansions, and facility debottlenecking.

Working with operators and their service providers, our experts help maximize people, procedures, technology, and infrastructure to increase the up-time of a facility – safely and efficiently. With our comprehensive knowledge of major types of oil and gas production facilities, equipment, and components, we identify and eliminate inefficiency, enabling clients to create more value using fewer resources. Our objective is to help our clients extend the facility's productive lifetime and increase profitability while upholding the highest safety and environmental standards.



# Boilers & Heat Exchangers



By applying robust risk-based processes, our multi-disciplinary team of professionals can predict the remaining lifetime of the boiler, helping you to decide whether to replace or repair components.

Ravi-Tech can provide everything you need to upgrade project to standards that will secure future reliability, efficiency and cost-effectiveness.

As a boiler services provider with vast experience, our team work across Pakistan, supporting customer operations with the delivery of outstanding repair and maintenance services. We identify and eliminate risks and work with you to minimize downtime and maximize value in line with your specific objectives.

We can complete specialist repairs on-site, providing a rapid response when you need a

safe and compliant repair solution. We'll manage repairs around your operational requirements, from the 'optioning' phase through to the handover of a safe, compliant component.

Our large-scale workshop facilities enable us to provide off-site repairs of larger components and vessels. Our vast pool of experienced professionals has demonstrated industry-leading Quality, Health, Safety and Environmental (QHSE) performance, ensuring we deliver excellence in collaboration with you.

Maintenance Services provided are Furnace and Shell Repairs, Patch Repairs, Tube Replacement, Tube plate Repair, Replacement of access openings, Furnace Replacement, Manhole and mudhole replacement.

We develop and manufacture shell and tube heat exchangers in accordance with ASME Section VIII Div 1 and TEMA Standards at Ravi-Tech. Every energy demand is distinct, as is every chance to increase energy efficiency. Our team of engineers can assist you in identifying the size or kind of heat exchanger that is best for your project; whether you need a heat exchanger to replace an old field unit or a fully new heat exchanger installation, our engineers can guide you through the design process. Our team has the knowledge and experience to create the most effective solution for your project. Design of the Process:

- Thermal Design and Rating... Machining and Drilling
- Positive Identification of Materials...
- Take into account the welding process.
- Configuration and Modular Systems

# HVAC

Ravi-Tech has design & detail engineering, Procurement & Installation experience in all Aspects of mechanical and electrical systems in HVAC including:

- Chiller plant
- Electrical management systems
- Refrigeration (cool rooms and freezer rooms)
- Lighting/power
- Air handling systems

Ravi-Tech's team of designers and engineers have utilized their many years of experience, working on the tools, to provide our clients with the very best mechanical design and installation service for Hygienic Air Ventilation HVAC, AHU & MCU systems.

Our design and build service for all HVAC systems have been successfully implemented in many commercial environments.



# HSE Policy Statement

Ravi-Tech Manufacturing (Pvt.) Ltd is an **ISO 45001:2018** certified company. When it comes to safety, our philosophy is that any successful job or project is directly attributed to exceptional performance and well-planned services. Our unmatched safety record is a result of avoiding less than desirable workmanship and errors associated with rushing, stress, and poor work conditions. The majority of incidences are attributed to human error, thus minimizing or eliminating such conditions results in fewer incidents.

Ravi-Tech's management is committed to continuous development and improvement of safety programs to protect our team members on all job sites. We also acknowledge that our company's staff and professionals are our biggest asset. We are proud of our safety record, and continue to strive to make our facilities and job sites safer. We will never compromise the safety of our staff, equipment or our customers. Ravi-Tech adheres to all Occupational Safety, Health Compliance associated with OSHA and our internal proprietary safety program. This compliance assures our company members and clients that all business practices are performed in a safe manner, matching our corporate values and practices.



## OUR INTERNAL SAFETY PROGRAM INCLUDES:

- A daily Tool Box Talk meetings.
- All staff and team members are trained to look at safety before beginning any task to reduce risk.
- All team members are routinely trained and updated on the best industry safety practices.
- All new team members are extensively trained before beginning as an active member of Ravi-Tech's team.
- All team members are rewarded for operating in a safe and productive manner.
- All team members' hours are tracked diligently to prevent fatigue and mitigate the risks related to exhaustion or stress.



# QUALITY Policy Statement

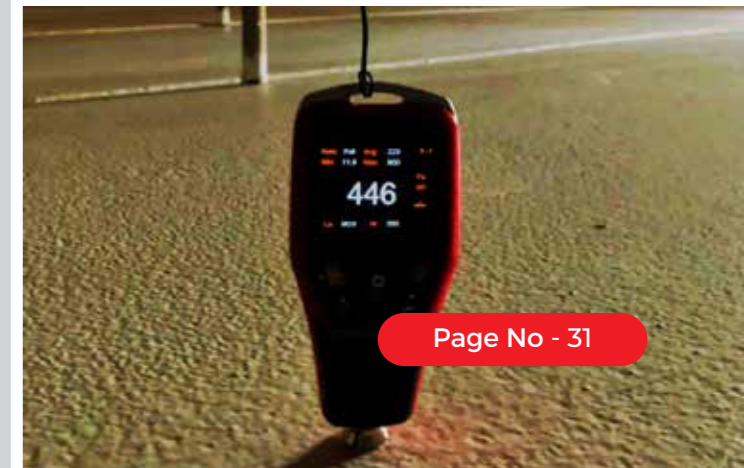
Quality Management System of Ravi-Tech Manufacturing (Pvt.) Limited is written, implemented and maintained to meet the requirements of **ISO 9001:2015**, covering a scope of in-house and at site provision of services, manufacturing and supply of engineering products for industrial plants and infrastructure facilities. These processes include all the activities related to detail engineering, production, procurement, installation, erection, servicing and EPC (Engineering, Procurement & Construction), however wherever desired outsourcing may be done to address project specific business needs.

## Inspection And Field Testing

Ravi-Tech got its bench filled with skilled, experienced, and trained field inspection specialists that do reliable inspection work in the most difficult environments. The inspection work is fully compliant with the most updated versions of the standards. Ravi-Tech ensures quality work through its personnel's regular trainings and annual training plans.

Ravi-Tech uses and provides field service for NDT is the following services:

- Ultrasonic Testing
- Radiographic testing
- Dye Penetrant Test
- Magnetic Particle Testing
- Hydro Static Testing
- Gauge Thickness Testing
- Surface Profile Testing
- Boroscopic Inspection
- Phased Array Ultrasonic Testing (PAUT)
- Time of Flight Diffraction (TOFD)



# Major Clientele



# Major Tools & Equipment

