



شركة الحلول الهندسية التقنية للصناعات  
Technical Engineering Solutions Industries Co.

# Profile Company

Your partner in advanced industrial solutions

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Technical Engineering Solutions Industries Co. (TESI)

*EDITION*  
**2025**

## ▣ A Word from Our Team

At TESI, we believe that innovation fuels progress. Whether you're searching for advanced solutions or looking to optimize your current operations, our team is dedicated to helping you achieve your goals. With a strong focus on quality, safety, and sustainability, we're committed to delivering solutions that are built to last and designed to meet the highest standards.

Our team takes pride in building long-term partnerships, understanding your unique needs, and supporting your success every step of the way

Together, we're building a future that combines industrial success with sustainable impact—one project at a time.

## ▣ Our Team

At TES, we are dedicated to delivering advanced engineering solutions that drive innovation and success across industries. With years of experience and a team of highly skilled engineers, we specialize in offering tailored solutions that meet the unique challenges of today's fast-evolving industrial landscape.

Our mission is simple: to empower businesses with cutting-edge technical expertise and engineering excellence. Whether you need precision-driven designs, innovative problem-solving, or turnkey engineering services, TES is committed to helping you achieve your goals with efficiency and precision.

## ▣ Why choose TESI for Your Industry?

At Technical Engineering Solutions Co. in Sharjah, UAE, we specialize in providing high-quality boilers for various industrial applications. Our product range includes steam and hot water boilers, heat exchangers, and custom engineering solutions designed to enhance efficiency and performance.

### Expertise

Our team of experienced professionals brings extensive knowledge & expertise in engineering solutions, ensuring that you receive the best products for your needs.

### Quality Assurance

We are committed to maintaining the highest quality standards in our products and services, ensuring your complete satisfaction.

### Customer Focus

Your needs are our priority. We work closely with you to understand your requirements and provide tailored solutions that meet your expectations.

### Innovation

We continuously invest in research and development to bring you the latest technologies and solutions in the industry.



## TESI is your solution provider for all application areas

At TESI, we are committed to providing top-tier industrial services tailored to meet the needs of businesses across the UAE. Whether you are in the engineering, construction, or technology sectors, TESI's comprehensive range of services is designed to help you achieve operational excellence and deliver outstanding results. With a focus on quality and innovation, we offer specialized solutions for key industries, featuring boilers, tanks, heat exchangers, and pipelines as part of our core product offerings.



### Genuine Spare Parts

Ensure your systems operate at peak performance with our high quality components, including burners, valves, pumps & control systems.



### Annual Maintenance Contracts

Our proactive maintenance plans help you minimize downtime and extend the lifespan of your equipment.



### Comprehensive Testing Services

Rigorous testing ensures the safety and efficiency of your systems, allowing you to operate with confidence.



### Valve Services

Specializing in installation, maintenance, and repair, we ensure your valves function reliably in all applications.

## Discover all our industrial products

Our product portfolio covers a wide range of industrial solutions, customized to fit the evolving needs of sectors. Explore our comprehensive selection below:



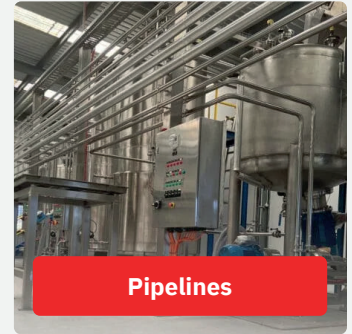
**Boilers**



**Tanks**



**Heat Exchangers**



**Pipelines**

## ▣ Spare Parts

At Technical Engineering Solutions Industries Co., we understand the importance of reliable spare parts to maintain the efficiency and longevity of your equipment. Our Spare Parts Department provides a comprehensive range of high-quality components essential for the upkeep of steam boilers, heat exchangers, tanks, and other industrial systems.

## ▣ Burners – High-Performance Solutions for Commercial and Industrial Use

Riello Burners: Reliable, Efficient, and Versatile for Every Industry

Riello is a leading manufacturer of high-quality gas, oil, and dual-fuel burners designed to meet the heating needs of commercial and industrial applications. Offering a range of options including single-stage, two-stage, and fully modulating models, Riello ensures optimal performance and energy efficiency for various heating systems.

With an industrial application range from 10KW to 30MW, Riello burners are perfect for use in large-scale boiler plants, providing reliable solutions for space heating and hot water. These burners are also well-suited for specialized industries such as textiles, glass, ceramics, and food production, ensuring that each industry's unique heating requirements are met with precision and reliability.

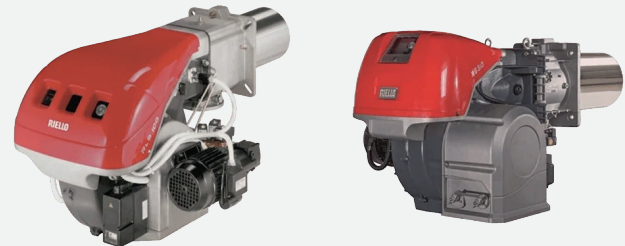
## ▣ Why Choose Our Spare Parts?

**Guaranteed Compatibility:** All parts are designed to seamlessly integrate with our products, ensuring optimal performance.

**Quality Assurance:** We source our spare parts from trusted manufacturers and conduct rigorous quality checks to meet industry standards.

**Wide Selection:** From safety valves and water pumps to level indicators and gaskets, we offer a vast inventory that caters to diverse maintenance needs.

**Timely Delivery:** We understand downtime is costly, so our streamlined logistics ensure prompt delivery of parts when you need them most.



## **Training Services**

At Technical Engineering Solutions Industries Co., we are committed to empowering our clients with the knowledge and skills needed to operate and maintain their equipment effectively. Our Training Services are designed to enhance operational safety, improve efficiency, and ensure that your team is fully prepared to manage your industrial systems.

**Boiler Operation Training:** Covers the essential functions, safety protocols, and operational best practices for managing steam and hot water boilers. This training helps operators understand system performance and troubleshoot common issues.

**Maintenance and Safety Training:** Focuses on preventive maintenance routines and safety checks for equipment like boilers, tanks, heat exchangers, and piping systems. This training reduces downtime and ensures a safer work environment.

**Technical Skills Training:** In-depth training on system diagnostics, component replacement, and calibration to equip technicians with the skills needed to maintain optimal equipment performance.

## **Boiler Annual Maintenance Contracts (AMC)**

Technical Engineering Solutions Industries Co. offers comprehensive Annual Maintenance Contracts (AMC) for steam boilers, ensuring that your equipment remains in optimal condition throughout the year. Our AMC services are tailored to provide preventive maintenance, regular inspections, and emergency support, maximizing the efficiency and lifespan of your boiler system while minimizing downtime.

### **AMC Service Inclusions:**

**Routine Inspections:** Regular checks to assess the performance and condition of each component.

**Cleaning and Calibration:** Thorough cleaning of boiler parts and precise calibration to maintain efficiency.

**Replacement of Worn Parts:** Proactive replacement of parts that show signs of wear, reducing the risk of malfunctions.

## Boiler Rentals in the UAE – TESI’s Reliable Solutions

At TESI, we understand the critical need for reliable heating solutions. Our boiler rental services in the UAE cater to various industries, offering both short-term and long-term rental options. Whether you're dealing with a temporary heating need or require a long-term solution, our boilers are designed to meet the highest standards of quality, efficiency, and safety.

### TESI provides boiler rentals tailored to your specific operational needs.

#### Short-Term Boiler Rentals

Perfect for temporary heating during construction projects, maintenance shutdowns, or seasonal heating requirements.

#### Long-Term Boiler Rentals

Ideal for ongoing operations, providing cost-effective and reliable heating solutions.

#### Emergency Boiler Rentals

Quick deployment of boilers in case of unexpected breakdowns or urgent heating needs.

### Standardized Containers

The Advantages of Renting a Boiler from TESI

Our boiler system is compact, easily transportable, and designed for quick installation. It can be provided from our standard range or customized to meet your specific requirements. Optional features include fully automatic control systems, monitoring devices, feedwater conditioning, and all essential fittings, pipework, and electrical wiring.



## Brands

At Technical Engineering Solutions Industries Co. (TESI), we provide a diverse selection of trusted international brands in the steam boiler industry. Our commitment to quality ensures that you have access to the best solutions available in the market.

We partner with leading manufacturers to deliver reliable, efficient, and high-performance boilers that meet the needs of various industries. Explore our range of products and discover the right solution for your steam generation requirements.

We proudly collaborate with some of the most respected brands in the industry, ensuring our customers receive innovative, high-performance products.

With a wide selection of products from reputable brands, TES is committed to helping you find the right solution for your business. Our knowledgeable team is here to assist you in evaluating your options.

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## Boiler Accessories

Our range of steam boiler accessories is designed to support every aspect of your steam system, ensuring efficient and reliable operation. We offer high-quality spare parts and maintenance services to keep your equipment running smoothly, with seamless integration into your existing setup.

At Technical Engineering Solutions Industries Co., quality is a top priority. We carefully select products from reputable, specialized suppliers who meet stringent industry standards.

## Industrial Boilers

Types of Industrial Boilers We Offer:



### **Steam Boiler**

TESI's steam boiler solutions in UAE provide high-pressure steam, ideal for powering a variety of industrial processes.



### **Hot Water Boiler**

A hot water boiler is a type of boiler that heats water for a variety of applications, from heating buildings to supporting industrial processes. Unlike steam boilers, which generate high-pressure steam, hot water boilers heat water to a specified temperature and circulate it through a network of pipes. These boilers are generally low-pressure systems and are widely used in both commercial and industrial environments for their energy efficiency and steady output of hot water.



### **Thermal Oil Boiler**

A thermal oil boiler, also known as a thermal oil heater, is an industrial heating system that uses thermal oil as the heat transfer medium instead of water or steam. These boilers are designed to provide high-temperature heat at low pressures, making them ideal for applications that require stable, high-temperature heating without the risks associated with high-pressure steam.





## Why Are Boilers Essential For Production?

Heat is crucial to our daily lives and industrial processes alike. Just as pressure cookers use steam for cooking, boilers provide a reliable source of heat for numerous manufacturing needs. Boilers also offer an energy-efficient alternative to electricity, reducing reliance on costly fossil fuels.

## Environmental Benefits Of Industrial Boilers

Industrial boilers can be eco-friendly, especially if fueled by natural gas or other clean energy sources. These environmentally conscious options not only provide excellent performance but also help reduce emissions, supporting industries in their environmental responsibilities.



## Tanks

At Technical Engineering Solutions (TES), we understand that different industries require specialized storage and handling solutions for various liquids and materials. That's why we design and manufacture a comprehensive range of high-quality tanks to cater to the diverse needs of our clients across the UAE. Our tanks are built to provide efficient storage, easy handling, and optimal safety, making them an essential part of many industrial processes.



### Types of Tanks We Offer:

We take pride in offering durable and customizable tanks that are engineered to meet the highest industry standards. Whether it's water, diesel, chemicals, or waste, our tanks ensure seamless operations while minimizing environmental impact and operational costs.

**1. Water Tank:** - Stainless Steel Water Tank  
- Feed Water Tank  
- Oil-Water Tank

**2. Diesel Tank**

**3. Mixer Tank**

**4. Steam Tank**

## Heat Exchangers

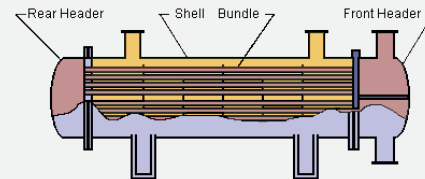
Heat exchangers play a critical role in transferring heat between two or more fluids, often essential for heating, cooling, or energy recovery processes in industrial applications. At TESI, our heat exchangers are designed with advanced engineering to ensure high performance, durability, and efficiency across various industries. Our equipment can handle single or multiphase fluids and can be customized to meet specific process needs.

At TESI, we specialize in providing high-quality heat exchanger solutions and replacement services tailored to various industries across the UAE. Heat exchangers play a critical role in transferring heat between media, commonly used in applications like HVAC systems, process equipment, and energy plants. Replacement services may involve a complete replacement of the unit or selective replacement of key components, such as tubes or plates, to restore efficiency and extend the equipment's life. Compatibility with the existing system is crucial to ensure optimal performance.



## Types of Heat Exchangers

Our shell and tube exchangers are built to handle complex heat transfer requirements. They consist of a bundle of tubes housed within a cylindrical shell, allowing two fluids to flow independently: one flows through the tubes, and the other around the tubes within the shell.



## Pipelines

TESI provides industrial pipelines in the UAE, designed for efficient and safe fluid and gas transport across various industrial applications. At Technical Engineering Solutions Industries Co. (TESI), we specialize in designing and installing high-quality pipeline systems tailored to the needs of diverse industries. Our pipeline solutions prioritize durability, safety, and optimal flow performance, ensuring minimal downtime and maximum productivity for our clients.

## TESI Pipeline Solutions

Our pipeline offerings cover a wide range of industrial applications, designed to withstand harsh environments, high pressures, and varying fluid types. We provide end-to-end pipeline services, from initial design and material selection to installation, testing, and maintenance.

Industrial pipelines are essential in a variety of sectors, including oil and gas, chemicals, pharmaceuticals, and power generation. TESI's pipelines are designed to handle different types of fluids and gases under high pressure, providing safe and reliable solutions across diverse industries.

TESI not only designs and installs industrial pipelines but also offers comprehensive maintenance services. We provide ongoing support to ensure your pipelines remain in optimal condition, reducing the risk of leaks or blockages.

### Why Choose TESI for Your Pipeline Needs?

At TESI, we understand that every industrial project is unique. Our team brings extensive expertise to every stage of the pipeline process, delivering solutions that enhance performance, safety, & reliability. Whether you need a small-scale installation or a complex, high-capacity pipeline network, TESI has the expertise to support your project from start to finish. With a focus on innovation and precision, we ensure every solution is tailored to your specific needs.








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