

# RELIABLE NAMES FROM A RESPECTED SOURCE

Air Technologies Solutions represents an impressive list of world-class manufacturers whose names are well-respected throughout the industry for their dedication to delivering top-quality products while maintaining environmentally and socially responsible practices.



## SOLUTIONS

Our commitment to safety, quality and customer satisfaction sets us apart. We prioritize communication and transparency throughout the process.



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-  Building
-  Renovation
-  Sustainability
-  Durability



## About Us

## شركة حلول تقنيات الهواء التجارية

Air Technologies Solutions Co. (Air Tech) was established in 2019 as a Saudi company specializing in the supply of HVAC, electro-mechanical systems, water solutions, and other industrial segments. With our corporate office located in Jeddah, and handling Business across Saudi Arabia, and Egypt, we deliver engineered industrial solutions utilizing internationally renowned products, complemented by exceptional customer service and technical support, thereby adding significant value to our clients' businesses.

Our company possesses the expertise and capability to provide products for major EPC and specialized projects. Our engineering and support personnel bring a wealth of scientific and technical knowledge, backed by years of practical experience in related fields. We are dedicated to delivering quality products, outstanding technical support, prompt deliveries, and reliable after-sales service.

In recent years, Air Tech has consistently evolved to establish itself as a leading supplier of various engineered products in the region. As the market landscape shifts, we anticipate that customer demands will change rapidly and expectations will increase significantly. Our clients face numerous challenges, including the need for expedited project execution, cost-effective delivery, management of environmental and sustainability concerns, safety and risk management, and adherence to regulatory compliance.

To address these challenges, Air Tech is innovating within the engineering domain to enhance predictability and provide substantial reductions in project costs and timelines. The foundation of our growth lies in our people. From vision to excellence, it has been the contributions of individuals and the spirit of teamwork that have fueled our rapid growth. Whether navigating international markets or tackling challenges and strategies, we take pride in the fact that every individual at Air Tech plays a vital role. Together, we have grown over many years, and our team spirit will ensure our continued success.

*Since 2019*

### Vision

***To be internationally renowned customer focused company offering comprehensive solutions and quality products***



### Mission

***Serve customers by procuring and supplying quality products manufactured by internationally reputed manufacturers***



### Air Tech Values

- Customer satisfaction & loyalty
- Employee and integrity
- Organizational & individual growth
- Technical excellence with professional ethics
- Responsibility to society



scan the code for complete products



Taco Comfort Solutions, originally established as the Thermal Appliance Company (T.A.CO.) in 1920, has evolved into a leading manufacturer of hydronic-based heating and cooling equipment. Based in Cranston, Rhode Island, specializes in producing high-efficiency circulators, pumps, and system solutions for residential, commercial, and institutional buildings. Their innovative products, such as air and dirt separators, heat exchangers, and variable speed drives, are designed to enhance indoor air quality and energy efficiency. Taco Comfort Solutions is committed to providing sustainable and reliable HVAC solutions that meet the evolving needs of modern buildings



Taco Comfort Solutions' Self-Sensing Technology is a revolutionary advancement in variable speed pumping. At the heart of this technology is the Self-Sensing ProBalance® system, which utilizes a variable frequency drive (VFD) to automatically balance the system. This means it can adjust the pump speed to maintain a user-defined flow set point without the need for external sensors or complex wiring.

The Self-Sensing Technology offers several benefits:

- **Ease of Installation:** No need for expensive wiring or additional sensors.
- **Improved Efficiency:** Automatically adapts to system pressure variations and follows the system resistance curve.
- **Cost Savings:** Reduces balancing contractor costs and simplifies the installation process.
- **Enhanced Performance:** Provides constant flow and variable flow modes, ensuring optimal performance.

This technology is designed to make system balancing easier and more efficient, making it a great choice for both residential and commercial applications.



Rheem Manufacturing Company is a global leader in the production of heating, cooling, and water heating products. Founded in 1925 by brothers Richard and Donald Rheem in Emeryville, California, Rheem has grown to become a trusted name in the HVAC industry.

Rheem offers a wide range of products, including:

- **Water Heaters:** Tankless, tank-type, heat pump water heaters, and solar water heaters.
- **HVAC Systems:** Air conditioners, furnaces, heat pumps, and mini-split systems.
- **Boilers:** Condensing, non-condensing, and combination boilers.
- **Pool & Spa Heaters:** Designed to extend the usable season for pools and spas.
- **Accessories:** Thermostats, water softeners, and indoor air quality products.

Rheem products are designed to provide reliable comfort and performance for both residential and commercial applications





**Casals Ventilation** is a Spanish company specializing in the manufacture of ventilation systems. Founded over a century ago, they have two production plants located in Sant Joan de les Abadesses and Ripoll, Girona. Here's a brief overview of their products:

1. **Industrial Fans:** Casals offers a range of industrial fans, including the Storm range, which caters to various applications such as material transport, air renewal, smoke extraction, and ATEX environments.
2. **Commercial Fans:** They provide ventilation solutions for commercial spaces, including fans, recovery units, air curtains, jet fans for car parks, and extraction systems for industrial kitchens.
3. **Residential Fans:** Casals designs efficient and comfortable ventilation systems for homes, such as small extractors for kitchens and bathrooms, and residential recovery units.
4. **Air Purifiers:** Their REINTAIR air purifiers are designed to capture harmful particles

CASALS offer a wide range of products for various applications, including:

- Ducted Fans: Used in buildings and industrial sectors.
- Air Curtains: Ideal for airports, schools, shops, hospitals, and restaurants.
- Jet Fans: Suitable for underground car park ventilation.
- Residential Heat Recovery Units: Renew air in homes efficiently and quietly.
- Certified Fans: Including F400 and F300 fans for hazardous areas.
- Air Purifiers: For capturing harmful particles like viruses.
- Industrial Fans: For machinery and industrial processes.
- Commercial Fans: For ventilating, purifying, or renewing air in commercial spaces.
- Residential Fans: For extracting and supplying air in homes.

They also have specialized products like ATEX explosion-proof fans and tertiary heat recovery units.



### **Maplef Valves and Fittings**

Established in 2009 with a global head-office located in Vancouver, Canada. Maplef specializes in providing solutions for the complete valve sector and has a rich history in the field of flow control and hydraulics.

For the past decade and more Maplef, with its continuous efforts in products enhancement, ranges and market solutions, have become one of the leading Manufacturer of all types of Valves that are mainly used in Cooling/Heating applications of the HVAC Industry, Hot and Cold water applications for domestic use as part of plumbing systems and valves related to Infrastructures.

Our range of products include Gate, Butterfly, Globe, Ball Valves, Strainers, Check Valves, Pressure Reducing Valves, Pressure Independent Control Valves, Pre-Assembles Valve Packages mainly used in Fan Coil Unit connections and other appurtenances like Pipes, Flanges & Fittings.

Our range also include special valves like Triple-duty valves, Suction Diffusers and Basket Strainers. Maplef engineering experts provide customers with a broad range of valve patterns and sizes, using only the highest quality materials. The wide variety of metals and grades includes Cast Iron, Ductile Iron, Cast Steel, Carbon Steel, Brass Alloy, Bronze and Stainless Steel.

Products are manufactured and tested to the prevailing standards within the industry like BS-EN, ANSI, ASME, MSS Codes and API and other standards as requirement of specific region, customers and projects.

All our products are tested and certified for compliance to industry standards and performances, including pressure tests like Pressure Equipment Directive 2014/68/EU (PED), Special certifications like WRAS are obtained for our valves, mainly for plumbing applications where public health and sanitation products standardization requirements are complied fully.

# Steel Fiber Technology

Steel fibers are small, strong, and durable fibers made from steel. They are used to reinforce materials, primarily concrete, to enhance their mechanical properties. Steel fibers can be added to concrete to improve its tensile strength, crack resistance, and overall durability.

## Applications of Steel Fiber Technology

1. **Concrete Reinforcement:** Steel fibers are commonly used in concrete to increase its strength and durability. They help control cracking and improve the impact resistance of concrete structures.
2. **Industrial Flooring:** Steel fiber reinforced concrete (SFRC) is used in industrial flooring to withstand heavy loads and reduce maintenance costs.
3. **Precast Concrete Elements:** Steel fibers are used in precast concrete elements like beams and columns to reduce weight and improve performance.
4. **Infrastructure Projects:** SFRC is used in infrastructure projects such as bridges, tunnels, and airport runways due to its enhanced durability and crack resistance.
5. **Textiles:** Steel fibers are used in textiles for applications requiring high strength and durability, such as cut-resistant clothing and heat-resistant fabrics.

EESF and Modern Building Technologies Solutions offers the construction industry a wide range of Steel fiber reinforcement solutions. Architects, designers, contractors and authorities can rely on our products to create buildings and constructions that meet regional and international standards. Our customers can rest assured that they receive the best solution in terms of speed, total cost of ownership, safety and durability.

Supply of Steel Fibers Consultancy and Flooring Design.

Flooring Installation (sub-base, Sealing, Epoxy Coating, etc).



# Air Tech Projects



**Sindalah island-NEOM**



**Black Gold Museum -Riyadh**



**Jeddah Islamic Port**



**Plot 4060 Hotel Madinah -Al Mohsen**



**SEVEN Al Hmara Exit 10**



**KAIA Jeddah Air Port**



**REGENT Hotel Jeddah -Almohesen King Faisal Specialist Hospital**





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