



MTTS



MODERN TIMES TECHNICAL SYSTEMS

**Empowering Progress with Smart,
Reliable Innovative Solutions**



PRECISION. PERFORMANCE. PARTNERSHIP.

Modern Times Technical Systems (MTTS) is a Systems Solutions House specializing in State of-the-art Systems Design, Materials Supply, Installation, and Testing & Commissioning of supplied systems.





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**MTTS | Your Trusted
Partner**

OUR COMPANY

MTTS is a leading systems solutions provider, specializing in the design, material supply, testing, and commissioning of cutting-edge systems.

Since our establishment in 1999, we've built a strong reputation for delivering reliable and innovative solutions tailored to our clients' specific needs. We operate from our headquarters in Jeddah and our branch office in Riyadh, ensuring comprehensive coverage across the Kingdom. Our team of experienced professionals is dedicated to providing exceptional service and technical expertise throughout every phase of a project.

Why MTTS?

Innovation

We embrace cutting-edge solutions to drive progress.

Reliability

Established and strong presence in the local market.

Integrity

Focus on trusted relationships with local consultants and contractors

Sustainability

We are committed to responsible and sustainable practices.

Customer Focus

Our customers needs are at the heart of everything we do.

Excellence

Distribution of state of the art renowned and quality products.

Specialty Areas

- Specialized Systems Design
- Supervision over Installation, Testing & Commissioning
- Materials Supply
- After Sales Service

ISO 9001:2015 Certified

Proudly certified with ISO 9001:2015, MTTS is dedicated to delivering exceptional quality and service.



OUR SECTORS

| | | | | |
|--|---|--|--|--|
|  Government Projects |  MEP |  Oil & Gas |  Hospitality |  Maintenance |
|  Data Center |  Industrial |  Residential |  District Cooling |  Healthcare & Pharmaceutical |
|  Agriculture |  Transportation & Logistics |  Food & Beverage |  HVAC Systems |  Pumping Solutions |
|  Utilities |  Solar |  Energy & Power Generation |  Educational |  Commercial & Retail |

**Powering the future with
precision systems.**



**Tomorrow's technology,
today's expertise.**

WHAT WE OFFER

**Designing precision.
Delivering performance.**

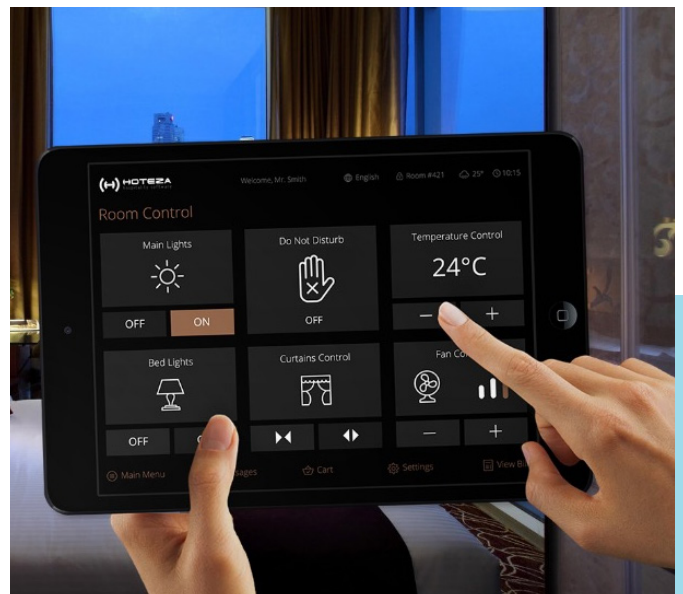
BUILDING MANAGEMENT SYSTEMS

MTTS offers integrated Building Management Systems (BMS) providing comprehensive control and monitoring of essential building services, including HVAC, security, and electrical systems. Our open architecture and use of standard protocols ensure seamless integration and future scalability.



GUEST ROOM MANAGEMENT SYSTEMS (GRMS)

A well-engineered, designed, comfortable, convenient, and efficient environment for hotel guests while also helping hotels manage their resources effectively.



LIGHTING CONTROL SYSTEMS & HOME AUTOMATION (Industrial, Commercial and Residential)

KNX/EIB product range covers a complete spectrum of applications found in today's buildings ranging from lighting and shutter control to heating, ventilation, security, energy management and many more.



CENTRAL BATTERY SYSTEM (CBS)

A comprehensive power backup solution for emergency lighting, security systems, and other essential loads. Our central battery systems provide a reliable and scalable approach to safeguarding your facility during power outages.



BTU ENERGY AND WATER METERS & BILLING SYSTEMS

High quality and accurately measure BTU energy (heating/cooling) and water consumption with our reliable meters.

Our streamlined billing systems ensure fair, transparent, and efficient utility management for properties.



SOLAR & ENERGY STORAGE SYSTEMS

MTTS is committed to sustainability and to contribute to reducing carbon footprints across Saudi Arabia. For this, we provide comprehensive end-to-end solar energy solutions tailored to meet the diverse needs of our clients and target segments. From the consultation & design stage to the EPC, MTTS expertise and professionalism guarantees you a seamless and efficient project execution.

- **On Grid, Off Grid and Hybrid Solar Solution**
- **Energy Storage Materials Supply**
- **Solar Pumping Solution**
- **Solar Street Light Solution**



SCADA SYSTEM

Optimize your power plant operations with our state-of-the-art SCADA (Supervisory Control and Data Acquisition) systems, delivering real-time visibility, comprehensive control, and intelligent data acquisition across all generation sources. Our tailored SCADA solutions provide a unified platform for monitoring critical parameters, managing operational processes, and ensuring peak efficiency, reliability, and safety. By offering insightful analytics and remote control capabilities, we empower you to proactively manage your assets, minimize downtime, and optimize energy output, driving operational excellence for your power generation facility.



CENTRAL CONTROL AND MONITORING SYSTEM (CCMS)

Effectively manage and monitor your building's essential systems with a Central Control and Monitoring System (CCMS). This integrated platform brings together the control of various functions into a single, accessible interface. Gain valuable insights, optimize performance, and streamline operations for a more efficient and responsive environment.

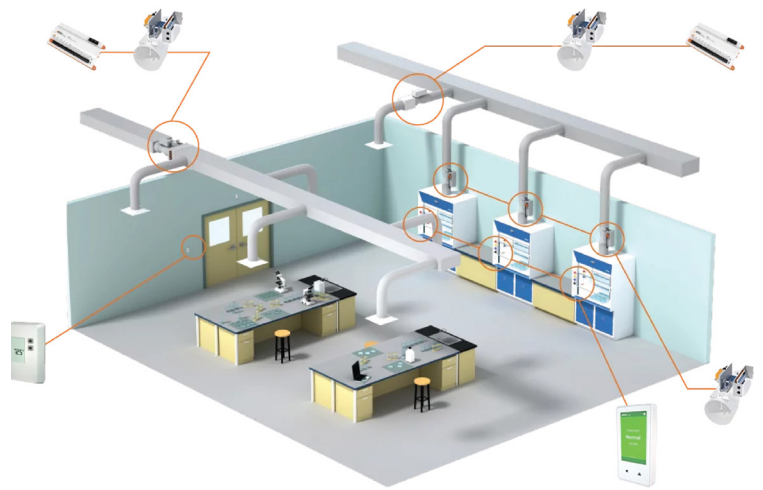


AIR VALVE SYSTEM FOR PRESSURE CONTROL AND VOLUMETRIC OFFSET

Advanced First-class Product and Service for the critical rooms such as:

- Laboratory
- Operating Room
- Isolation Room
- Pharmacy

An innovative air valve system provides precise pressure regulation and effective volumetric offset, ensuring stable and efficient operation of your pneumatic systems.



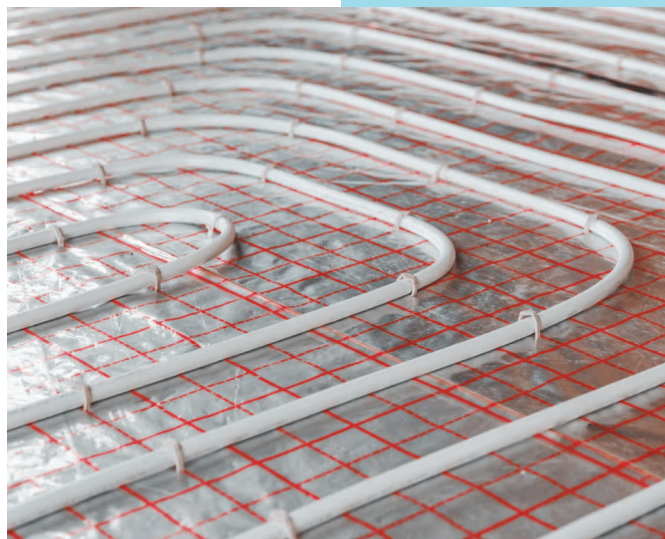
MEP INSTRUMENTATION

Enhance your mechanical, electrical, and plumbing (MEP) systems with our comprehensive instrumentation solutions, offering precise measurement and control for optimal building performance. Our range includes reliable sensors, transmitters, gauges, and controllers designed to monitor critical parameters such as pressure, temperature, flow, and air quality. These robust and accurate instruments provide essential data for efficient system operation, energy management, and occupant comfort, ensuring a safe and sustainable built environment.



RADIANT COOLING AND HEATING

Contributing to thermal comfort and energy efficiency, Underfloor heating and cooling is a form of central heating and cooling that achieves indoor climate control for thermal comfort using hydronic embedded in a floor. Cooling & Heating is achieved by conduction, radiation and convection.



ROOF DRAINS SIPHONIC SYSTEMS

We design and Supply efficient rainwater removal from large roofs by utilizing negative pressure, which allows for higher discharge rates through smaller, horizontally run pipes that don't need a slope. Fewer outlets and discharge stacks.



GRAVITY DRAIN HDPE PIPES AND FITTINGS

Ensure efficient, reliable wastewater management with our durable gravity drain HDPE pipes and fittings. Designed for long-term performance, they resist corrosion, abrasion, and chemicals ideal for gravity-fed drainage. Lightweight yet strong, they're easy to install, with a smooth inner bore that optimizes flow and reduces blockages, offering a cost-effective, sustainable drainage solution.



OIL, GREASE AND LINT INTERCEPTORS

Ensure the efficient and environmentally responsible management of wastewater with our effective oil, grease, and lint interceptors. Designed to capture and separate these contaminants at the source, our interceptors prevent their entry into drainage systems, safeguarding plumbing infrastructure and wastewater treatment facilities. By effectively removing these substances, our solutions help maintain optimal flow, reduce the risk of blockages, and contribute to compliance with environmental regulations, promoting a cleaner and more sustainable wastewater management approach.



MLCP & PEX PIPING AND FITTINGS

Experience superior plumbing and heating solutions with our high-performance multilayer composite pipe (MLCP) and cross-linked polyethylene (PEX) piping and fittings. Engineered for durability, flexibility, and ease of installation, our systems offer exceptional resistance to corrosion and scaling, ensuring a long and reliable service life. Ideal for a wide range of applications, from potable water distribution to radiant heating and cooling, our advanced piping solutions deliver optimal flow rates and maintain water purity, providing a safe and efficient infrastructure for your building projects.



PIPES SUPPORT

Secure and streamline your piping installations with our versatile and robust modular pipe support systems. Engineered for a wide range of applications, our solutions offer exceptional stability and flexibility in supporting various pipe materials and sizes. These thoughtfully designed components simplify installation, allowing for efficient and adaptable configurations while ensuring the long-term integrity and safety of your piping infrastructure. Our systems provide a reliable foundation for your critical pipelines, contributing to organized and secure mechanical installations.

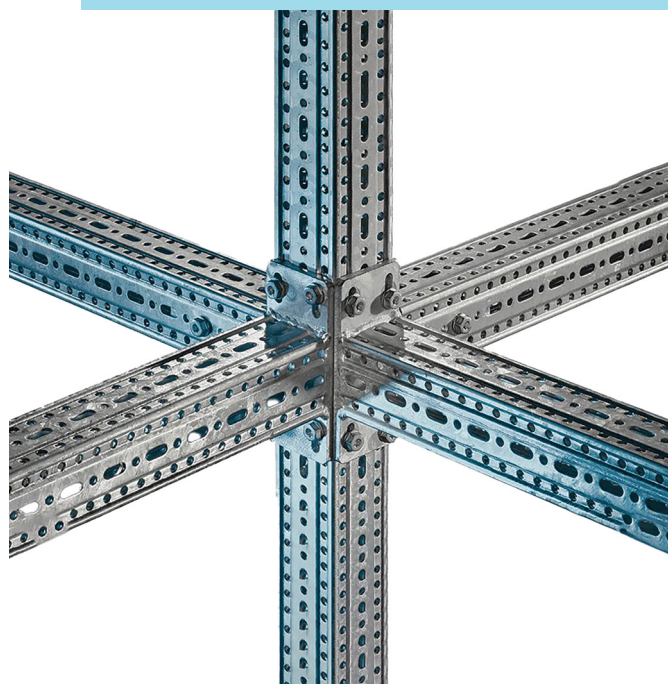


PLATE HEAT EXCHANGERS

From HVAC to industrial processing, our plate heat exchangers provide reliable and efficient heat transfer across a wide range of applications. Their customizable design, easy maintenance make them a cost-effective and dependable choice for various thermal management needs.

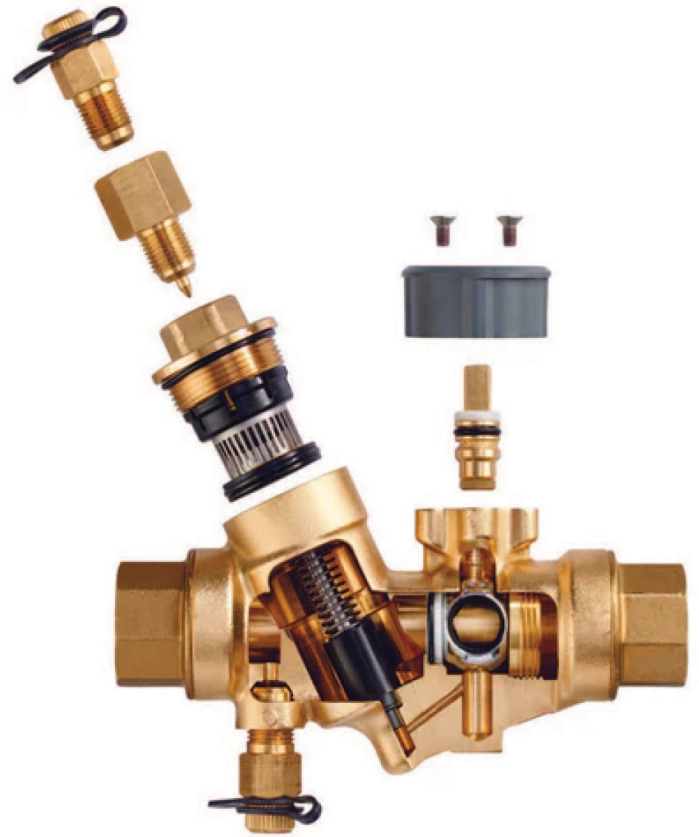


Shaping the future through integrated systems.



PRESSURE INDEPENDENT CONTROL AND DYNAMIC BALANCING VALVES

Achieve precise and efficient water based HVAC system control with our advanced Pressure Independent Control Valves (PICVs) and Dynamic Balancing Valves. These innovative, and importantly, serviceable valves automatically regulate flow rates, adapting to pressure fluctuations to ensure consistent comfort and energy efficiency. By eliminating manual balancing and providing accurate flow regulation and control under varying loads, our valves simplify commissioning, enhance system stability, reduce energy consumption, and allow for easy maintenance, contributing to a more comfortable, cost-effective, and sustainable building environment.



ENERGY VALVES

Optimize energy efficiency in your HVAC systems with our specialized Energy Valves. Engineered to provide precise flow control and modulation, these valves contribute to significant energy savings by accurately monitoring and matching heating and cooling output to demand. Their reliable performance and ability to optimize system Delta T enhance overall system efficiency, reduce pumping costs, and improve occupant comfort, making them a key component in achieving sustainable and cost-effective building operations.



VARIABLE FREQUENCY DRIVES & SOFT STARTERS

Enhance the control and efficiency of your motor-driven systems with our comprehensive range of variable frequency drives (VFDs) and soft starters. Our VFDs offer precise speed and torque control, optimizing energy consumption and extending equipment life by matching motor output to demand. Complementing this, our soft starters provide a gentle and controlled ramp-up for motors, reducing mechanical stress and electrical disturbances during startup. Importantly, our in-house fabrication facility allows us to expertly integrate these components into custom-designed control panels, ensuring seamless operation and tailored solutions to meet your specific industrial or commercial requirements.

- HVAC Drives
- Harmonic Filters
- Automation Drives
- Micro Drives
- Decentral Drives
- AQUA Drives
- Soft Starters
- Drive Motors
- Sine-Wave Filters
- dU/dT Filters

HVAC AIR DUCT RELATED PRODUCTS

- VAV
- CAV
- Sound Attenuators
- Fire & Smoke Dampers
- Air Outlet
- Louvers
- Duct Accessories



**Building smarter systems
for a connected world.**



PRESSURE TANKS, AIR SEPARATOR, DEGASSING SYSTEMS AND PRESSURIZING UNIT

Solutions for efficient maintaining of pressure and quality of water for heating, cooling networks. A comprehensive range of high-quality products and systems designed for the efficient and reliable operation.



OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

Achieve optimal air distribution and illumination in critical healthcare environments with our integrated operating room diffuser systems featuring LED lighting. These meticulously engineered systems combine the benefits of laminar airflow for maintaining a sterile environment with energy-efficient, high-quality LED lighting for enhanced visibility during procedures. The integrated design streamlines installation and ensures a uniform, low-turbulence airflow while providing consistent and shadow-free illumination, contributing to a safer and more efficient operating room.



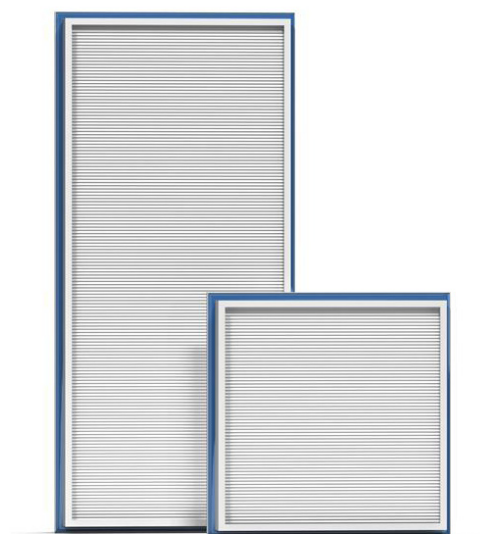
LAMINAR FLOW DIFFUSER

Maintain unidirectional and low-turbulence airflow in critical environments with our precision-engineered laminar flow diffusers. Designed to deliver a consistent and gentle stream of air, these diffusers are essential for applications requiring stringent air quality control, such as operating rooms, clean rooms, and pharmaceutical facilities. By minimizing air turbulence and ensuring uniform air distribution, our laminar flow diffusers help to prevent the mixing of air streams and effectively remove airborne contaminants, contributing to a sterile and controlled environment.



HEPA FILTERS

Ensure the highest levels of air purity with our high-efficiency particulate air (HEPA) filters. Engineered to capture a minimum of 99.97% of airborne particles 0.3 microns in diameter, these filters provide exceptional protection against dust, pollen, mold spores, bacteria, and viruses. Ideal for critical environments such as healthcare facilities, laboratories, and cleanrooms, our HEPA filters contribute to a healthier and safer indoor environment by effectively removing microscopic contaminants and ensuring superior air quality.



Empowering progress with advanced systems.



GRP PANEL TYPE WATER TANKS

Experience a reliable and hygienic water storage solution with our Glass Reinforced Plastic (GRP) panel-type water tanks. Constructed from durable, corrosion-resistant GRP, these sectional tanks offer a lightweight yet robust design, ensuring long-lasting life and water purity. Their modular construction allows for easy transportation, on-site assembly in various sizes and configurations, and adaptability to specific project requirements, providing a versatile and dependable water storage solution for diverse applications.



CENTRALIZED WATER HEATER

Experience reliable and efficient hot water distribution with our high-performance centralized water heater systems. Engineered for durability and consistent performance, these units provide a dependable supply of hot water to multiple points throughout a building. Their robust design and efficient heating mechanisms ensure optimal energy utilization and reduced operational costs, offering a practical and long-lasting solution for your centralized hot water needs.



HEAT PUMPS

Harness a sustainable and efficient approach to heating and cooling with our versatile heat pump technology. These innovative systems transfer heat rather than generate it, providing both heating and cooling capabilities in a single unit. By extracting heat from the air, ground, or water, heat pumps offer significant energy savings compared to traditional furnaces and air conditioners. Environmentally friendly and cost-effective, our heat pump solutions provide a comfortable and climate-conscious way to regulate indoor temperatures year-round.

OUR PARTNERS



OUR SYSTEM PROTOCOLS



Leader. Trusted. Proven.

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