



**MTTS** 

Member of **CPC** Group  
"Your Complete Building Solution"



ISO 9001  
BUREAU VERITAS  
Certification

N°00001

[www.mtts.com](http://www.mtts.com)

# MTTS History

Established in 1999, MTTS was founded with a modest yet dedicated group of people with the firm belief that client's expectations are to be surpassed, not just met. Over the years, MTTS broadened its scope to include emerging Green Technologies and transformed into a complete Systems Solutions House with over 340 experienced professionals employed in its offices in Jeddah, Riyadh, Al-Khobar and Madinah.

## Mission

MTTS' mission is to build long term relationships with clients by providing state-of-the-art products and services related to the building industry.

## Vision

MTTS' vision is to become its customers' preferred choice for Technology Solutions through valuing their needs and delivering world-class service.



# ISO Certification

**BUREAU VERITAS**  
Certification



**MODERN TIMES TECHNICAL SYSTEMS (MTTS)**

Prince Sultan Street, Jeddah 24 North Building, Block D, Ground Floor  
P.O Box 14916 - Jeddah 21434, Kingdom of Saudi Arabia

This is a multi-site certificate, additional site details are listed in the appendix to this certificate  
*Bureau Veritas Certification certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below*

Standards

**ISO 9001:2008**

Scope of certification

**TECHNOLOGY SOLUTIONS PROVIDER FOR BUILDING  
AUTOMATION, LOW CURRENT, SMART METERING,  
ENVIRONMENTAL, WATER AND RENEWABLE  
ENERGY SYSTEMS, TRADING OF ELECTRO-  
MECHANICAL PRODUCTS AND LOW VOLTAGE  
PANEL ASSEMBLY**

Certification cycle start date: **15 JULY 2014**

*Subject to the continued satisfactory operation of the organisation's Management System,*

*this certificate expires on: **14 JULY 2017***

Original certification date: **15 JULY 2014**

Certificate No. **IND.14.9209/U/Q** Version No. **1** Revision date: **15 JULY 2014**

*Samir Ahmed*

Certification Authority



008

Certification body address: **Beaulieu House, 180 Borough High Street, London SE1 1LR, United Kingdom**  
Local Office Address: **Office W 6, 2nd Floor, Al Wafa Tower, King Fahad Bin Abdul Aziz Street, Al Raha District, P.O.Box: 20189, Doha 31952, Kingdom of Saudi Arabia.**

*Further clarifications regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by contacting the organisation. To check this certificate validity, please call: +966 3 8437701*



# Providing Highly Specialized Solutions

MTTS is a provider of cutting-edge technology solutions for Low Current Integrated Systems, Electro-Mechanical, Water Technology and Renewable Energy products and services.

## Our Services

As a complete Systems Solutions House with over 340 experienced professionals employed in its offices in Jeddah, Riyadh & Madinah, MTTS provides services in:

**Specialized  
Systems Design**

**Installation, Testing  
& Commissioning**

**Materials Supply**

**After Sales  
Service**



# Scope of Work



## MTTS has three major divisions:



### Automation

- Lighting Controls (EIB/KNX)
- Building Management Systems (BMS)
- Energy Metering Systems (BTU, kWh & Water)
- Variable Frequency Drives (VFDs)
- Low Voltage Panels



### Integrated Low Current Systems

- Security Systems
- Audio Video Systems
- IT & Telecom Systems



### Trading

- Air/Water Filtration & Purification Systems
- Boilers
- Electric Water Heaters
- Hot Water Storage Tanks
- Drainage Specialties
- Valves
- Dynamic Valves
- General Valves
- GRP Panel Water Storage Tanks
- Piping Systems
- Plate Heat Exchangers
- Solar PV Systems
- Water Pumps



# Automation Division

## *Building Management Systems*

- ➔ Independent (stand alone) DDC Controllers
- ➔ Scalable & Expandable System Integration
- ➔ Standard, Open Protocol for Integration
- ➔ BACNet/LONTalk Compatible



## *Lighting Controls & Home Automation Systems*

- ➔ Energy Management
- ➔ Lighting Control
- ➔ Heating & Ventilation Control



# Automation Division

## *BTU, Electricity, Water and Gas Meters*

- ➔ Ultrasonic BTU and Water Meters
- ➔ A Wide Range of Ratings for Electricity Meters
- ➔ Fully Remotely Operated Automatic Meter Reading (AMR) Billing System for All Meters



## *Variable Frequency Drives & Soft Starters*

- ➔ Adaptive Acceleration Control (ACC)
- ➔ Motor Protection
- ➔ Automatic Energy Optimization





# Low Voltage Panels

## Automation

- ➔ DGP panels for BMS
- ➔ MCC Panels
- ➔ AHU, Fans Starter Panels
- ➔ PACU Control Panels
- ➔ Variable Frequency Drive Panels
- ➔ Home Automation Control Panels
- ➔ Dimming & Lighting Control Panels

## Water Systems

- ➔ Submersible & Booster Pumps Control Panels
- ➔ Pumping Station Control Panels
- ➔ Multi Pump & Cascading Application
- ➔ Water Treatment System Control Panels

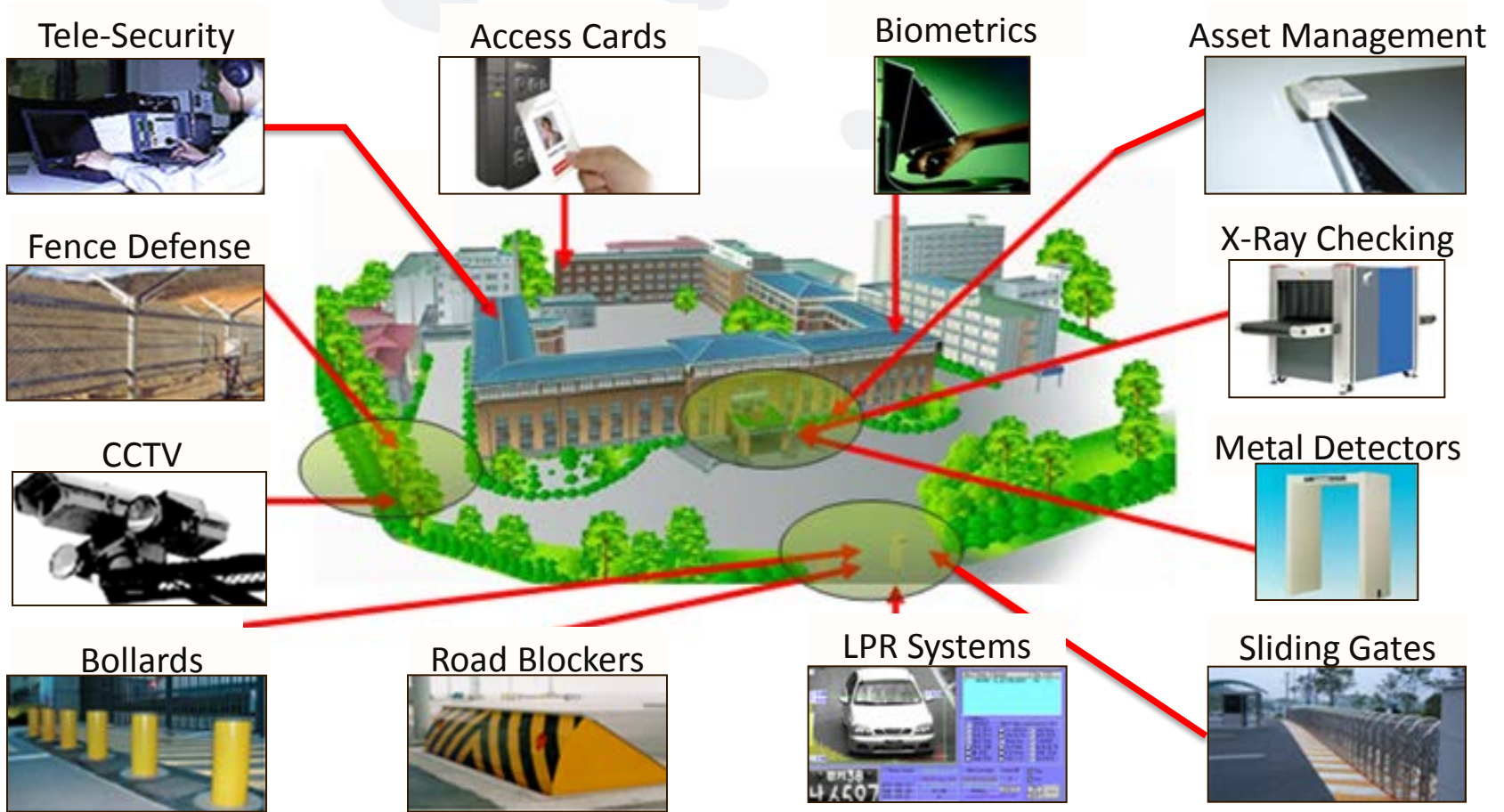


## Electric Distribution

- ➔ LV Switch Boards
- ➔ Panel Boards
- ➔ Final Distribution Boards
- ➔ Automatic Transfer Switches (ATS)
- ➔ Power Factor Correction Panels



# Integrated Low Current Systems



# Renewable Energy Systems

## MTTS' EPC Capability

MTTS provides a complete solution for Engineering, Procurement and Construction (EPC) services in the field related to Solar Systems.



## Solar Thermal & Photovoltaic Systems

From Rooftop, On-Grid Systems, Sun Tracking Ground Mounted Systems to Fixed Tilt Systems, MTTS has the capacity to provide Turn Key Solutions for Solar PV/CPV projects of any magnitude.

MTTS also prides itself in being the only company and also the first one to setup the first Solar Concentrated Photovoltaic System in the Kingdom.



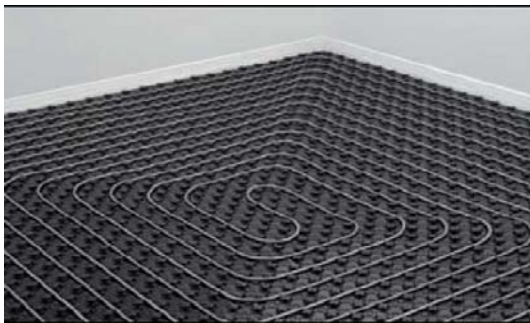
# Water Systems

- ➔ Stainless Steel, Wear Resistant Submersible Pumps
- ➔ Highly Efficient, Service-friendly Booster Pumps
- ➔ Close/Long-coupled Type Fire Pumps (UL/FM)
- ➔ Corrosion Resistant Split Case & End Suction Pumps
- ➔ Plastic Pumps for Delicate Processes and Huge Liquid Volumes



# Water & Piping Systems

- ➔ Corrosion/Incrustation Free Multilayer Composite Pipes
- ➔ Butt Weld HDPE Building Drainage Pipes
- ➔ Discoloration & Corrosion Free Drainage Products
- ➔ In-line Serviceable, PR Valves with Internal Bypass
- ➔ 100% Light Proof, GRP Panel Type Water Storage Tanks



# Various solutions for radiant cooling

## Floor Cooling

different underfloor cooling systems

less cooling output for floor tempering  
UFH/UFC combination

## Wall Cooling

lightweight system  
clamp track system

high cooling output  
fast reaction surface  
for renovation and new built

## Ceiling Cooling

Comfort panels  
Under-plaster ceiling cooling system

high cooling output  
fast reaction surface  
for renovation and single family homes

## Thermally Activated Building Structures

Concrete core activation  
Thermally active surfaces

cover basic cooling load  
high energy efficiency  
fast reaction surface



# Environmental Products

## *Pressure Independent Control Valves & Dynamic Control Valves*

- ➔ Externally Adjustable Automatic Balancing Valves
- ➔ Pre-set Automatic Balancing Valves 15-80, 50-800
- ➔ Thermostatic Control Valves
- ➔ 3 Way By-Pass Modules, Cartridges & Actuators



# Environmental Products

## *Filtration, Cleaning, Ventilation & Indoor Air Climate Systems*

- ➔ Indoor Air Quality (IAQ) Systems
- ➔ Gas, Air & Water Filtration and Purification Systems
- ➔ Critical Space Ventilation Control Systems
- ➔ Specialty Ventilation & Exhaust Systems
- ➔ Solution for providing factory calibrated VAV's



MTTS





# Environmental Products

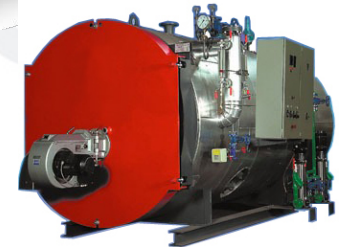
## *Thermostats, Humidifiers & Duct Heaters*

- ➔ Electric & Gas Steam Humidifiers
- ➔ Excellent Heat Dissipation in Electric Heaters
- ➔ Humidity Controllers with Adjustable Set Point



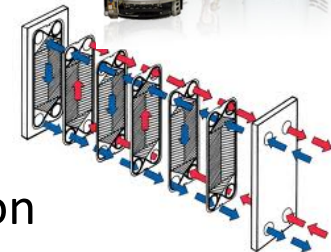
## *Hot Water Storage Tanks, Electric Water Heaters and Steam Boilers*

- ➔ Water, Space and Combination Type Heating Systems
- ➔ Fully Automatic, Vitraglas Lined Storage Tanks
- ➔ Low Emission Oil & Gas Fired Steam Boilers



## *Plate Heat Exchangers*

- ➔ Gasketed Plate Heat Exchangers for Efficient Heating, Cooling, Heat Recovery, Condensation and Evaporation



# MTTS Resources & Solution Partners



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**kamstrup**



Thinking solutions.

**FlowCon**  
international



**GRUNDFOS**



**sisteven**



Carroll Manufacturing International

**TRIATEK** **GEBERIT**



**Uponor**



**MIFAB**



**FTC**

**VIESSMANN**

**SCHLETT**



**MTTS**

# MTTS References – Major Projects

## Princess Noura University (PNU) – Riyadh



# MTTS References – Major Projects



**KSAU Health Sciences – Jeddah & Al Hasa**



# MTTS References – Major Projects

## KSAU Health Sciences - Riyadh



# MTTS References – Major Projects

## KAIA Royal Terminal - Jeddah



# Short Summary of Completed Projects

## Hospitals & Healthcare

- KSAU (King Saud Bin Abdulaziz University) - Dental and Diabetic Center (CCTV & ACS)
- Najran Hospital – Najran
- King Fahad Hospital – Jeddah

## Education

- PNUW - (Princess Noura University for Women) – Riyadh
- KAUST (King Abdullah University of Science & Technology) – Thuwal
- KSAU (King Saud Bin Abdulaziz University) – Riyadh, Jeddah, Hassa

## Telecommunications

- STC Repeater Stations (Khourais, Makkah Road, Malaz, Olaya, Shamaisy) – Riyadh
- STC Marine Cable – Jeddah

## Religious Buildings

- Holy Mosque, Al Masa'a Expansion Project – Makkah





# Short Summary of Completed Projects

## Hotels

- Madinah Marriott Hotel – Madinah
- Ramada Makkah Hotel – Makkah

## Hyper Markets & Shopping Centers

- Al Khayma Mall and Carrefour - Riyadh
- Aziz Mall – Jeddah
- Al Jamaa Mall – Riyadh
- Jarir Mall – Jeddah

## Military & Defense Projects

- King Abdul Aziz Military City – Tabuk

## Government Projects

- MOI General Security Buildings (Mina, Muzdalifa, Arafat)



# Short Summary of Completed Projects

## Seaports

- X-Ray Cargo (various sites) – Jeddah, Dammam Seaports

## Commercial Centers

- Zahran Buisness Center – Jeddah
- 24 North Jeddah Building – Jeddah
- KAFD Conference Center – Riyadh
- Jeddah Gate – Jeddah
- Arabian Cement Head Quarters - Jeddah

## Airports

- KAIA, Royal Terminal – Jeddah
- Airports – Tabuk, Abha, Yanbu

## Palaces & Private Sector

- Various Royal Palaces & Villas



# Short Summary of Running Projects

## Religious Buildings

- Holy Mosque, Haram Expansion Project – Makkah

## Hotels

- Hilton Hotel – Makkah
- Hilton Hotel – Riyadh

## Government Projects

- Correctional Facilities – Taif, Dammam, Riyadh

## Airports

- King Abdulaziz International Airport (KAIA) – Jeddah



## MTTS References – Awards (Automation)

### **MTTS receives the 2012 KNX Award in the International (Asia) Category**



### **for its KNX installation at Princess Noura University for Women (PNU)**

For the Asia region, MTTS got the award for its KNX installation at (PNU).

Princess Noura University is the largest women-only university in the world with 32 campuses across the Riyadh region, a library capable of holding 4.5 million volumes and a 700 bed teaching hospital and research centers for nanotechnology, information technology and biosciences.

One of the new campuses inaugurated on May 2011 can accommodate 40,000 students and 12,000 employees.



*THANK YOU*

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