



**WATER & WASTEWATER
TREATMENT**

**DESIGN, BUILD & OPERATE
SOLUTIONS**

**HOT WATER, STEAM & SOLAR
TURNKEY SOLUTIONS**

Content

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WHO WE ARE

Since 1990 Al Maymanah has serviced the municipal, industrial, residential & commercial sectors with various equipment and systems in **Water and Wastewater Treatment, Hot Water, Steam & Solar Systems, Water Storage, Industrial Hoists and Access Solutions.**

Success through the years has always been credited to **over 250** experienced and talented team of engineers, electro-mechanical technicians and skilled labors, who have worked in hundreds of installations.

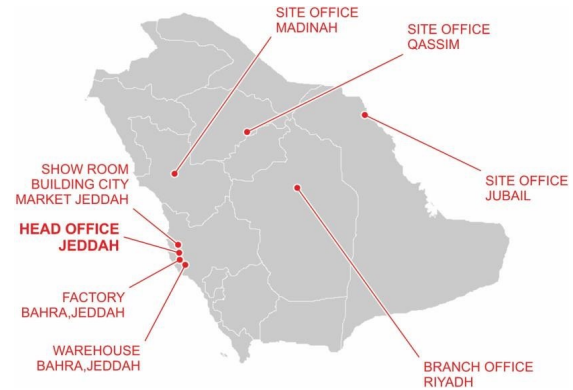
OUR ACTIVITY



WHO WE ARE



Al Maymanah Head Office
Rawabi District - Jeddah

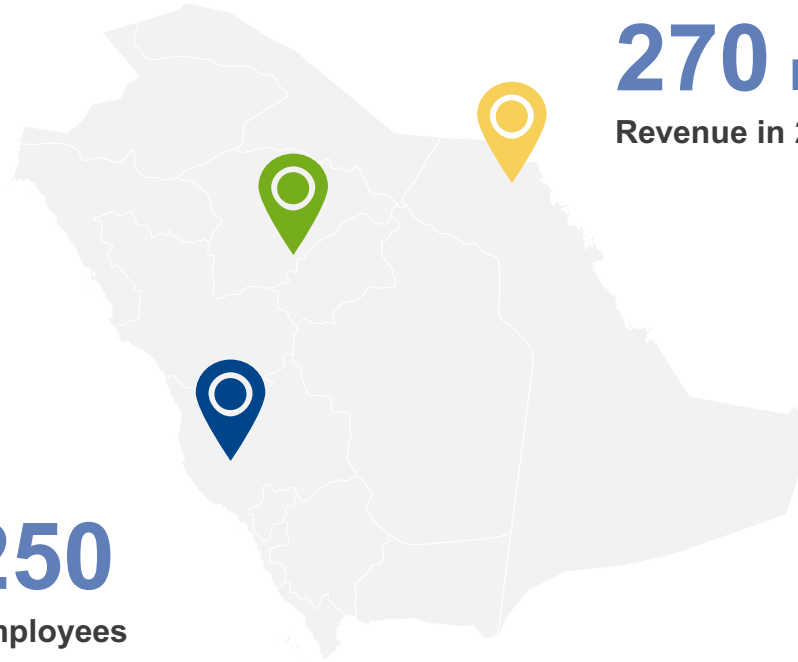


WHO WE ARE

More than
1500
References

250
Employees

270 Million SR
Revenue in 2023



VENDOR ACCREDITATIONS

Al Maymanah is registered / accredited as vendor with the following major clients:



After Sales Management



Our service teams and workshops are highly skilled to carry out a wide range of after-sales technical services, including on-site alignments, troubleshooting, overhauling and repair services.

W&WW Treatment Solutions

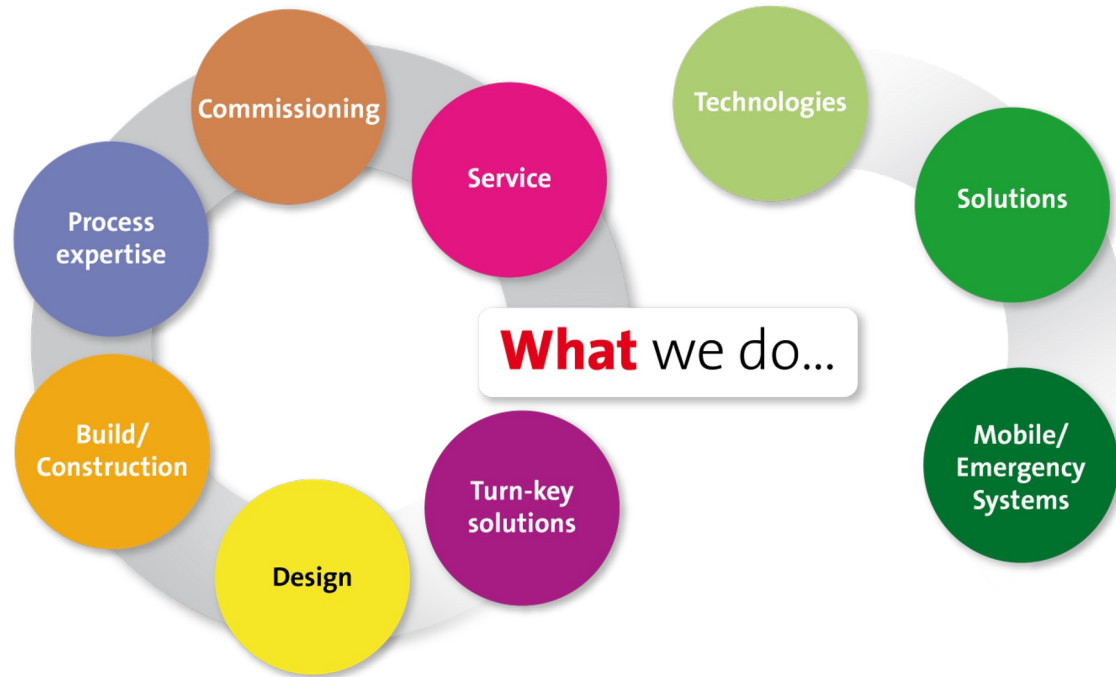


W&WW Treatment Solutions

Complete range of
services required to
design, build, upgrade
and operate of water &
wastewater treatment
systems



Our Expertise



Old Workshop Facility



New Workshop Facility



Design & Build



Reverse Osmosis
Brackish & Sea Water Desalination



Sewage Treatment Plant



Ultra Filtration



Gray Water Treatment



Odor Control Unit



Pressure Media Filtration
System



Ultra Pure Water & Demin
Plant



Containerized treatment
systems

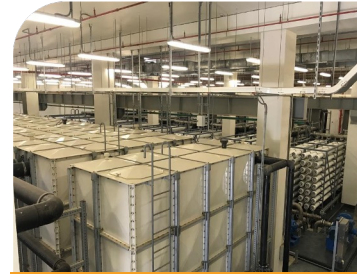
Packaged Systems



Pumps & Pumping
Systems



Water Disinfection
(Gas chlorination / Chlorine Dioxide /
Chemical Disinfection)



GRP Panel/Sectional Type
Storage Tanks



Chemical Preparation &
Feed Systems



Smart Flow Meters (Isoil
from Italy)



Valves, Penstocks, Sluice
Gates, Stop Logs

Services



Disinfection for Water &
Chilled Water Network



Operation & Maintenance

Selected Clients



Selected Consultants



Selected References

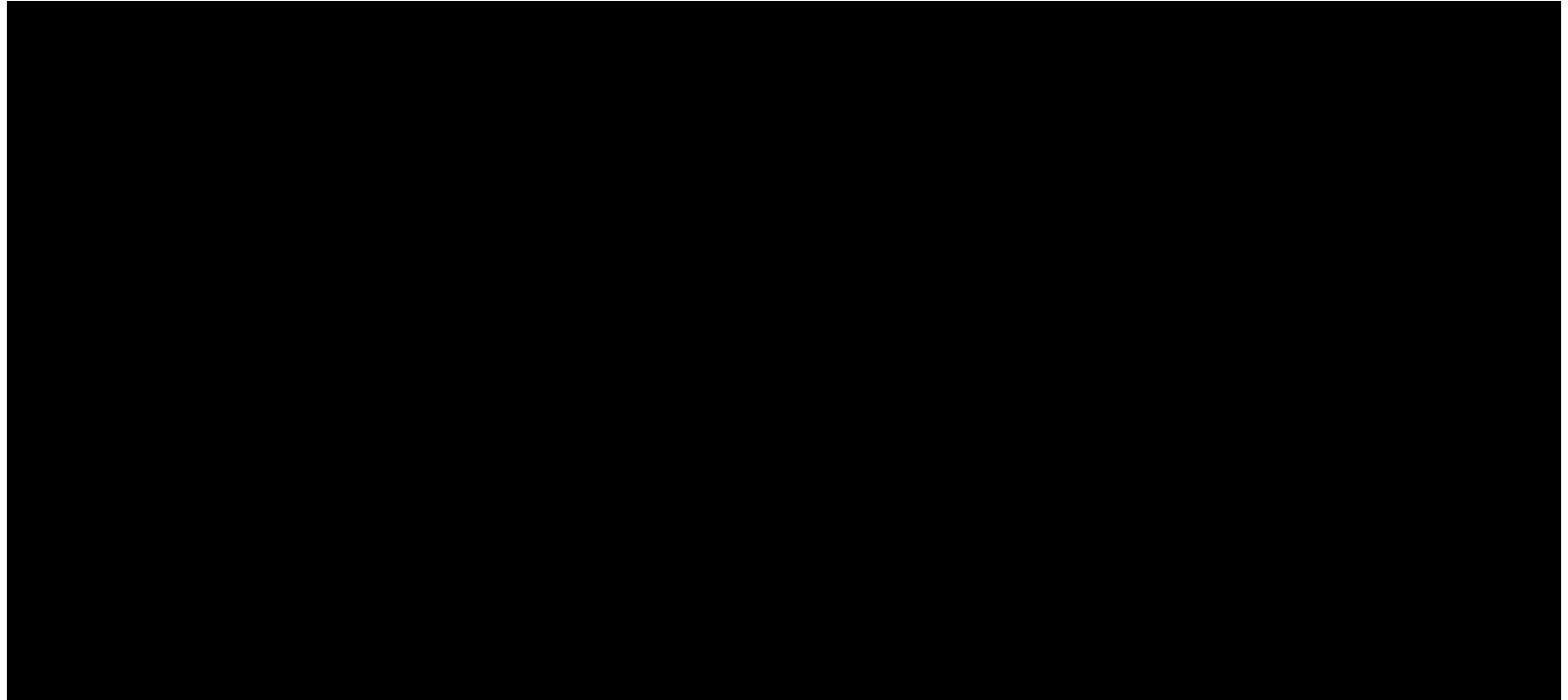


KING ABDULAZIZ INTERNATIONAL AIRPORT

- Client: KAIA
- Type of contract: Design, Build & Operate
- Year of delivery: 2019
- Technology: 8 X 7500 (60,000 m³/day) TSE Polishing RO Plant
- Location: Jeddah, Saudi Arabia



Selected References



Selected References

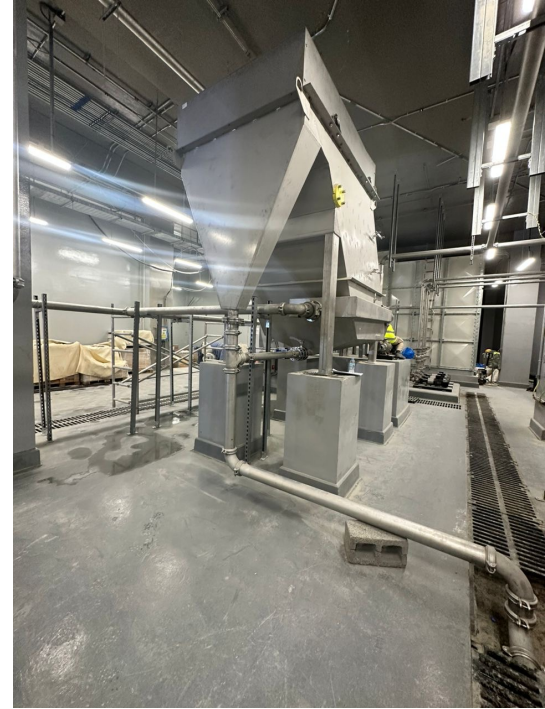


Treatment Plant for Drain Water from ZamZam Drinking fountain at HARAM AND PIAZZA Area

- Client: SBG
- Type of contract: Design & Build
- Year of delivery: 2021
- Technology: (1325 m³/day) DAF + UF + RO
- Location: Makkah, Saudi Arabia



Selected References



Treatment Plant for ZamZam at HARAM

Selected References



Treatment Plant for ZamZam at HARAM

Selected References



NEOM OXAGON (2 RESERVOIRS) Chlorination OSEC systems

- Client: NEOM
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology: OSEC (15 Kg/h)
- Location: Neom, Saudi Arabia



Selected References



**NEOM OXAGON
(2 RESERVOIRS)
Chlorination OSEC
systems**

Selected References



NEOM TROJENA (6 RESERVOIRS) Chlorination OSEC systems

- Client: NEOM
- Type of contract: Design & Build
- Year of delivery: 2024
- Technology: OSEC
- Location: Neom, Saudi Arabia



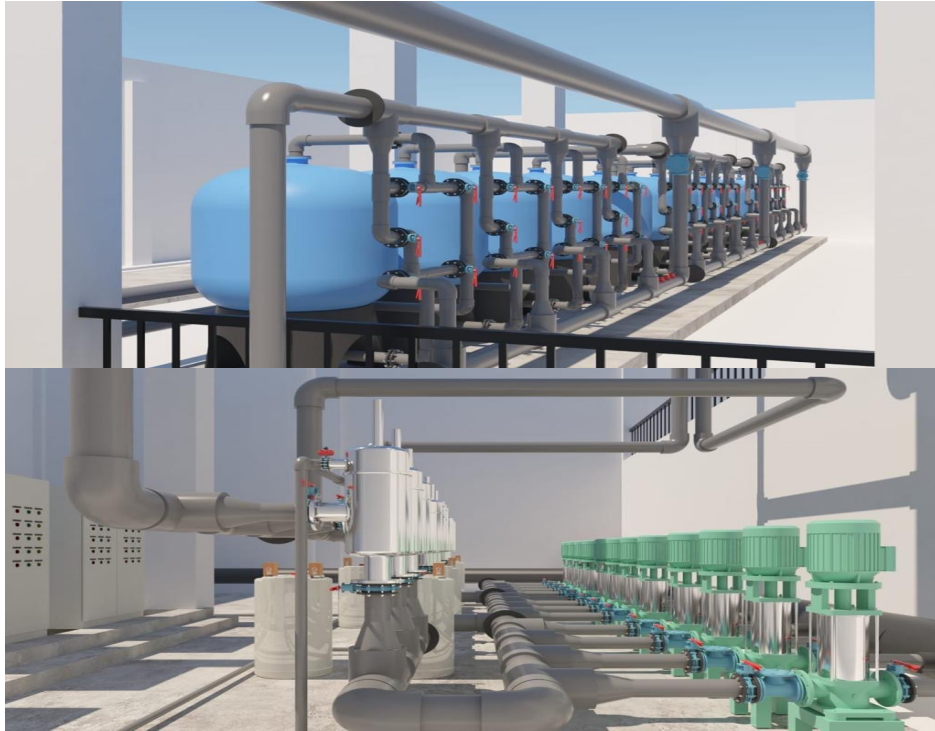
Selected References



WATER QUALITY PROJECT (3 RESERVOIRS) Chlorination OSEC systems

- Client: NWC
- Type of contract: Design & Build
- Year of delivery: 2024
- Technology: OSEC
- Location: Eastern Region, Saudi Arabia

Selected References



ROZA FARM Temporary TSE Treatment Plant

- Client: CPPA
- Type of contract: Design & Build
- Year of delivery: 2021
- Technology: (18,000 m³/day)
- Location: Riyadh, Saudi Arabia

Selected References



Al-Salam Royal Palace

Mobile Containerized RO

- Client: Crown Prince Private Affairs
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology: 750 m³/day BWRO,
Location: Jeddah, Saudi Arabia



Selected References



Al-Salam Royal Palace Mobile Containerized RO



Selected References



NEOM Hospital

Mobile Containerized STP

- Client: NEOM
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology: 250 m³/day STP
- Location: Tabuk, Saudi Arabia

Selected References

NEOM Hospital Mobile Containerized STP



Selected References



Hassan Island Royal Palace

Mobile Containerized Filtration System

- Client: Crown Prince Private Affairs
- Type of contract: Design & Build
- Year of delivery: 2022
- Technology: Cooling and filtration, Irrigation Booster Sets
- Location: Umluj, Saudi Arabia



Selected References

Hassan Island Royal Palace Mobile Containerized Filtration System



Selected References

Hassan Island Royal Palace Mobile Containerized Filtration System



Selected References



NEOM

NEOM – Community Village Duba, Shiqri & Haqel Mobile Containerized STP

- Client: NEOM
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology: 3x 110 m³/days
Sewage Treatment Plants
- Location: NEOM, Saudi Arabia



Selected References



NEOM – Community Village Duba, Shiqri & Haqel Mobile Containerized RO

- Client: NEOM
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology:
3x 160 m³/days BWRO Plant
- Location: NEOM, Saudi Arabia

Selected References



King Faisal Air Academy Project Mobile Containerized STP & RO

- Client: BSS JV
- Type of contract: Design & Build
- Year of delivery: 2020
- Technology: 3 Trains X 320 M3/Day Mobile STP.
- 1,000 m3.day BWRO
- Location: Majmaa, Saudi Arabia

Selected References

King Faisal Air Academy Project Mobile Containerized STP & RO



Selected References



Roza Royal Palace

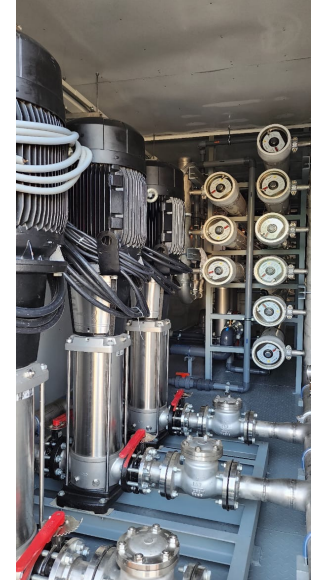
Mobile Containerized RO

- Client: Crown Prince Private Affairs
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology: 3x 1,000 m³/day BWRO,
Location: Riyadh, Saudi Arabia



Selected References

Roza Royal Palace Mobile Containerized RO



Selected References



Roza Royal Palace Mobile Containerized Filtration System

- Client: Crown Prince Private Affairs
- Type of contract: Design & Build
- Year of delivery: 2023
- Technology: Irrigation Booster with Filtration
- Location: Riyadh, Saudi Arabia



Selected References

Roza Royal Palace Mobile Containerized Filtration System



Skids



Skids



Selected References



VIA RIYADH Marriott St. Regis

- Client: Sela
- Type of contract: Design & Build
- Year of delivery: 2021
- Technology: Water Filtration System, Water Softener Systems, Disinfection 2,500 m3/day
- Location: Riyadh, Saudi Arabia



Selected References



VIA RIYADH Marriott St. Regis

- Client: Sela
- Type of contract: Design & Build
- Year of delivery: 2021
- Technology: Water Filtration System, Water Softener Systems, Disinfection 2,500 m3/day
- Location: Riyadh, Saudi Arabia



Selected References



KING ABDULLAH FOUNDATION PROJECT – SOFITEL HOTEL

- Client: King Abdullah Foundation
- Type of contract: Design & Build
- Year of delivery: 2019
- Technology: 653 m³/day TSE Polishing Plant, Total of 2,000 m³/day Filtration Systems. 2,400 m³/day Softener Systems
- Location: Riyadh, Saudi Arabia



Selected References



KING SAUD BIN ABDUL AZIZ UNIVERSITY FOR HEALTH SCIENCES

- Client: KSU
- Type of contract: Design, Build & Operate
- Year of delivery: 2009
- Technology: RO 2 x 2,600 m³ / day
STP 12,000 m³/day, 6,000 m³/day
and 3,000 m³/day
- Location: Jeddah, Riyadh & Madina, Saudi Arabia



Selected References



Umm Melh Airport Project – Kharkhir

- Client: GACA
- Type of contract: Design & Build
- Year of delivery: 2015
- Technology: 1000 m³/day BWRO Plant
- Location: Umm Melh, Saudi Arabia



Selected References



King Faisal Air Academy Project in Majma'a KFAA

- Client: BSS JV
- Type of contract: Design & Build
- Year of delivery: 2020
- Technology: 3 Trains X 320 M3/Day Mobile STP.
1,000 m3.day Containerized BWRO
- Location: Majmaa, Saudi Arabia

Selected References



King Faisal Specialist Hospital

- Client: KFSH
- Type of contract: Design & Build
- Year of delivery: 2016
- Technology: 1250 m³/day STP, Water Treatment Station for Labs
- Location: Jeddah, Saudi Arabia

Selected References



Ministry of Interior – Correctional Facilities

Jeddah, Dammam, Taif & Riyadh

- Client: MOI
- Type of contract: Design & Build
- Year of delivery: 2013
- Technology: Total 4,400 m³/day Greywater & 8,000 m³/day STP
- Location: Jeddah, Dammam, Taif & Riyadh, Saudi Arabia

Selected References



King Abdullah Financial District Zone 2,3,4 and 5

- Client: KAFD
- Type of contract: Supply & Installation
- Year of delivery: 2015
- Technology: 61 Nos. GRP Water Tanks (Capacity 4,205 m³), 3x Grey Water Systems, RO Plant and 40 Nos UV sterilizers
- Location: Riyadh, Saudi Arabia



Selected References



MOI Several Sites Operation & Maintenance

- Client: MOI
- Type of contract: O&M
- Year: 2011 - Current
- Technology: 1,500 m³/d RO & 1,500 m³/d STP
- Location: Jeddah & Qassim, Saudi Arabia

Selected References



Makkah Clock Tower

- Client: Al Burj Facility Management
- Type of contract: O&M
- Year: 2009 - Current
- Technology: STP 2000 m³/day
- Location: Makkah, Saudi Arabia



Selected References



National Guard General Hospital

- Client: National Guard General Hospital
- Type of contract: O&M
- Year: 2010 - Current
- Technology: STP 600 m³/day
- Location: Madina, Saudi Arabia



Our Partners – Hot Water Solutions



HOT WATER & STEAM SYSTEMS

ECOTHERM &
American Water
Heater - Complete
range for small,
medium & high
capacity water heaters,
heat exchangers, clean
steam generators
and solar systems for
hotels, hospitals and
the industry



ECOTHERM



ECOTHERM (Founded in 1880) Austria is the leading brand for individual Hot Water, Steam and Solar Systems for hotels and hospitals, as well as commercial & industrial applications. With distributors in more than 25 countries, thousands of references and premium quality and support, ECOTHERM is a preferred partner. ECOTHERM develops, designs, produces and supplies stainless steel components, like: high capacity water heaters, shell&tube heat exchangers, flat spiral heat exchangers, pressure vessels, boilers, insulations, as well as packaged, energy & space saving hot water, steam and solar turnkey solutions“.

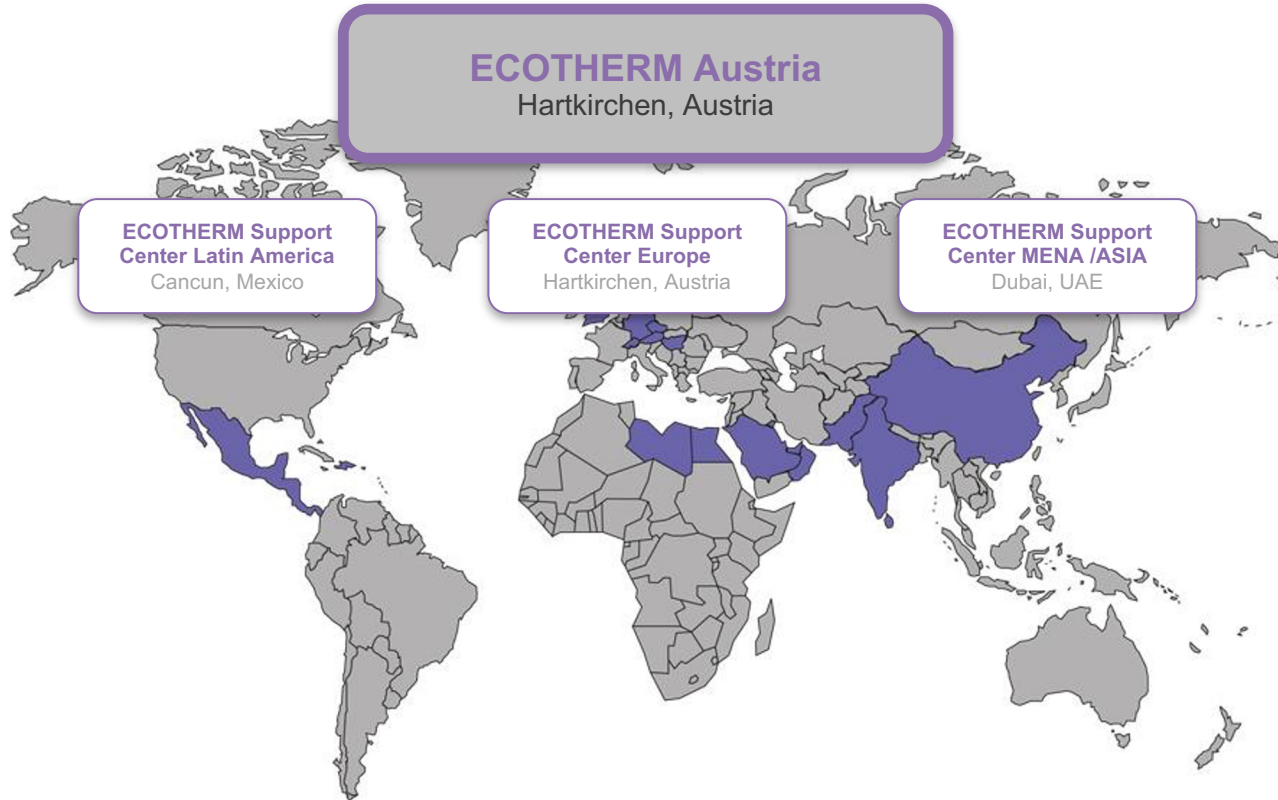
ECOTHERM - STANDARDS



3

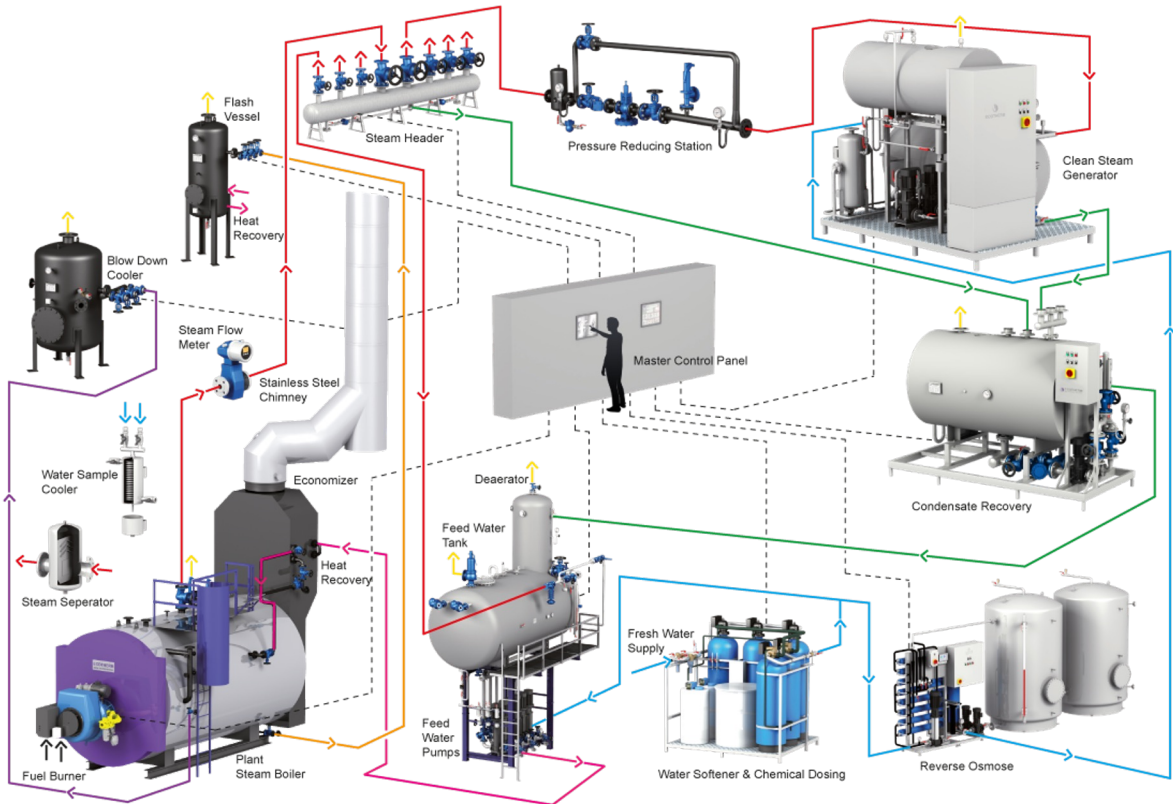


ECOTHERM

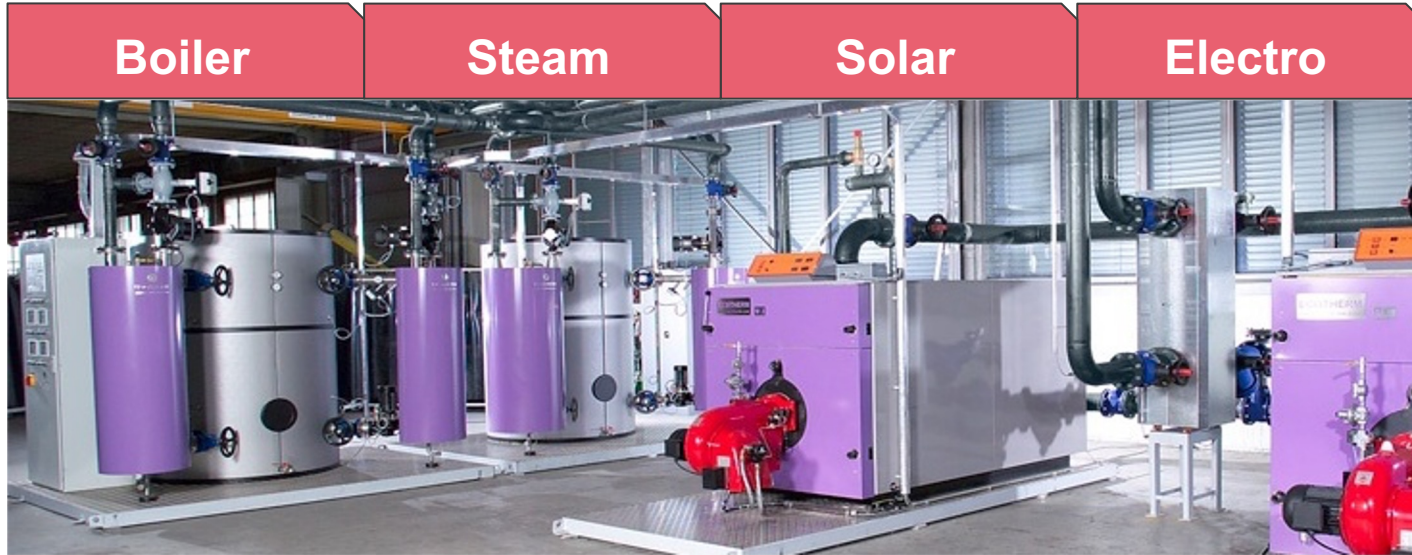


Al Maymanah is representing ECOTHERM since 2004 as the sole agent in the Kingdom of Saudi Arabia, providing all the necessary sales and technical support in addition to the services of Testing and Commissioning.

ECOTHERM - Products



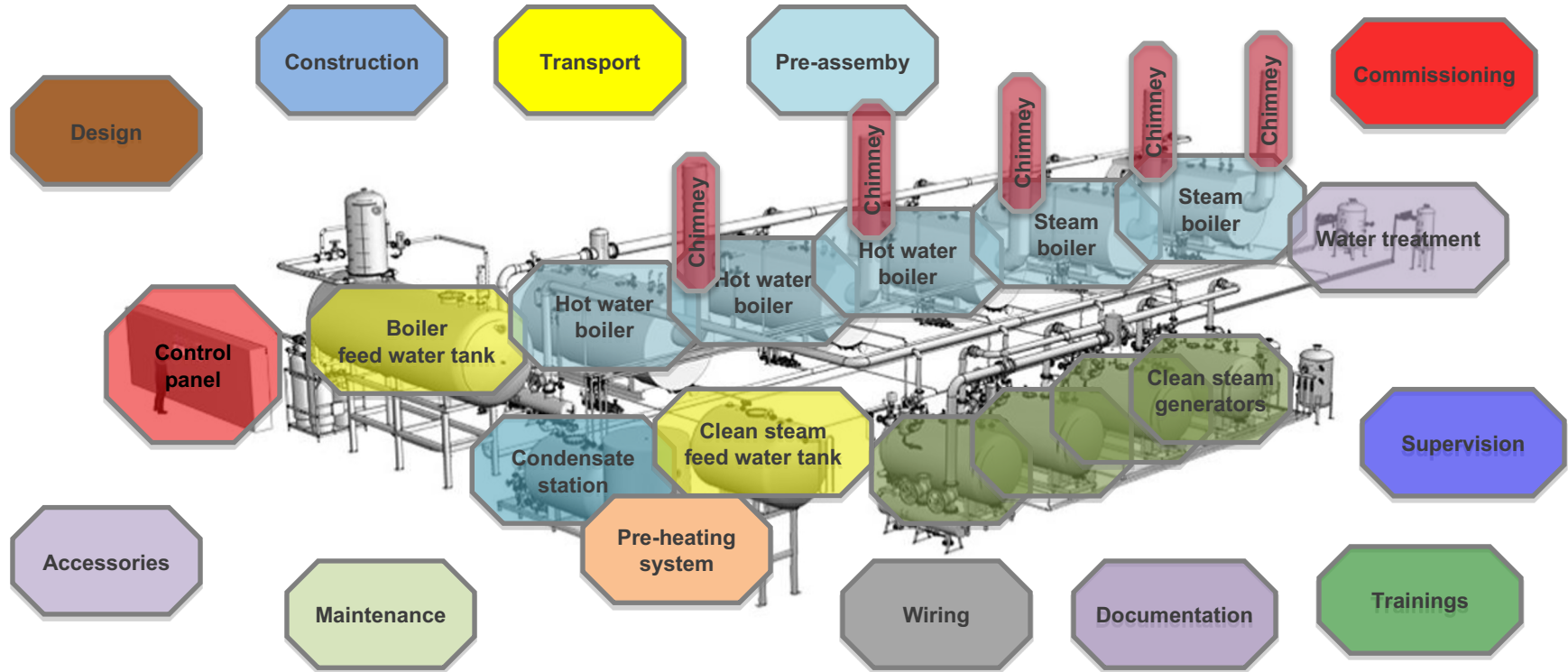
ECOTHERM – Turnkey Solutions



- Only one supplier
- Design of all components of the system is perfectly coordinates
- Saving time and money

ECOTHERM – Turnkey Solutions

System with several suppliers



ECOTHERM - Electric Water



Stainless Steel Electric Heaters– Internal elements

- Hygienic St Steel 316 / Duplex tanks
- Sizes from 300 to 10,000 Liters
- Incoloy 825 Heating elements from 9 to 800 KW.
- Pressure Rating of 6 / 10 / 16 Bar
- Non sacrificial Anode protection
- Option of Basic or Microprocessor controls
- 80 & 100 mm Fiber Fleece Insulation

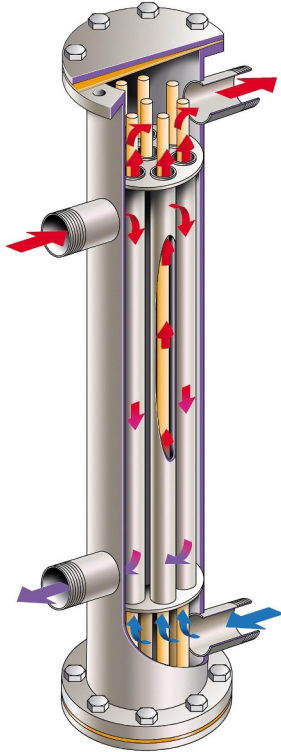
ECOTHERM - Instantaneous SS Heaters



Instantaneous St Steel Heaters

- Hygienic St Steel 316 / Duplex tanks
- Incoloy 825 or Ceramic Heating elements from
- 36 to 400 KW
- Vertical & Horizontal mounting.
- Pre wired & factory assembled.
- Pressure Rating of 6 / 10 / 16 Bar
- Non sacrificial Anode protection
- Option of Basic or Microprocessor controls
- 80 & 100 mm Fiber Fleece Insulation

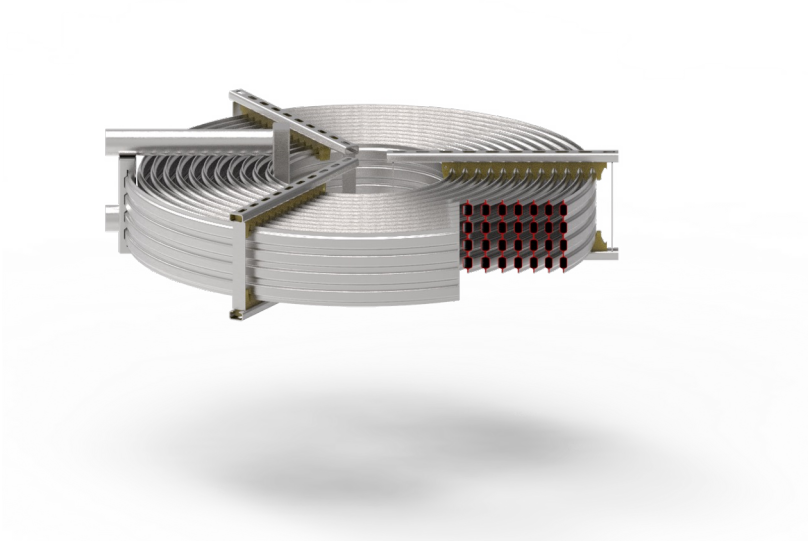
ECOTHERM - Shell & Tube Heat Exchanger



- Shell & tube heat exchanger with patented turbulator rods
- Very high heat transfer rates
- Water is heated up from 12°C to 60°C in one pass within one second
- Therefore hot water can be generated on demand
- Made of high quality stainless steel
- Easy cleaning and maintenance

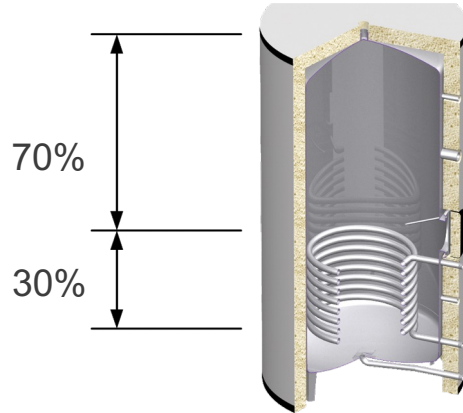


ECOTHERM - Flat Heating Coils



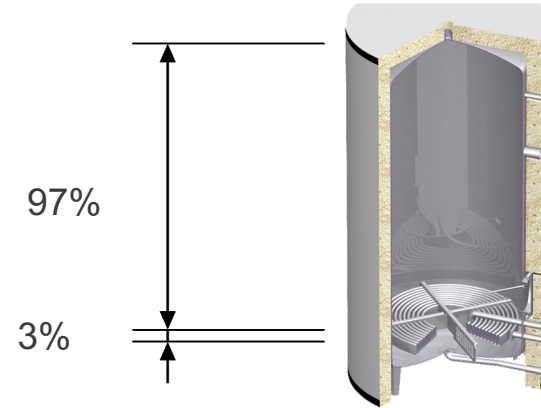
- Mounted horizontally at the bottom of the storage tank
- Coil always in one temperature zone
- 97 % of storage tank capacity can be utilized

ECOTHERM - Flat Heating Coils



Standard: spiral coil

- Only 70% of volume can be utilized at 60°C
- Risk of raise of legionella
- Heat transfer rate not optimal



ECOTHERM: flat heating coil

- 97% of volume can be utilized at 60°C
- Perfect hygiene
- Optimal heat transfer rate

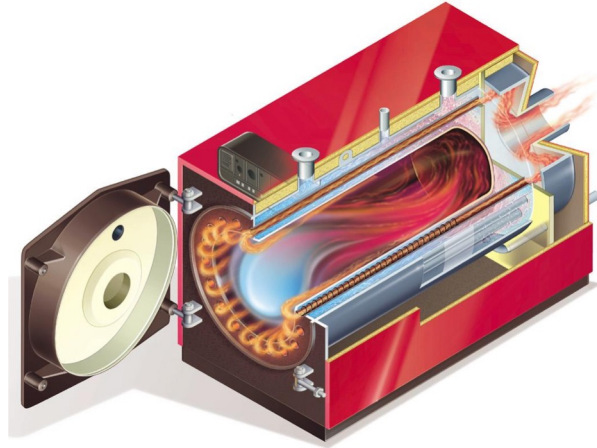
ECOTHERM - Tank Insulations



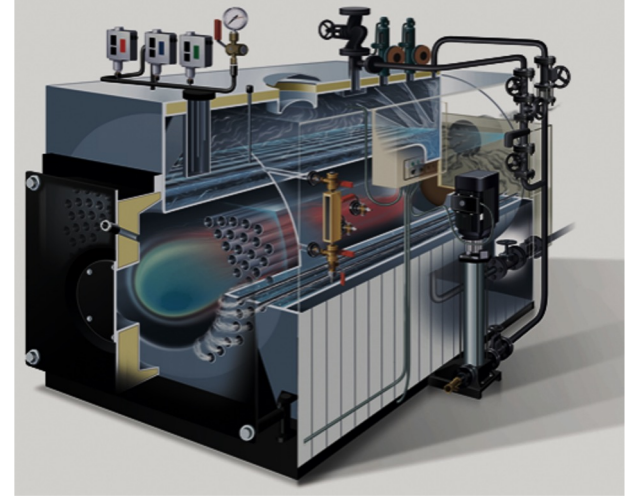
- Fibre-fleece insulation from ECOTHERM with patented closure strip



ECOTHERM - Hot Water and Steam Boilers

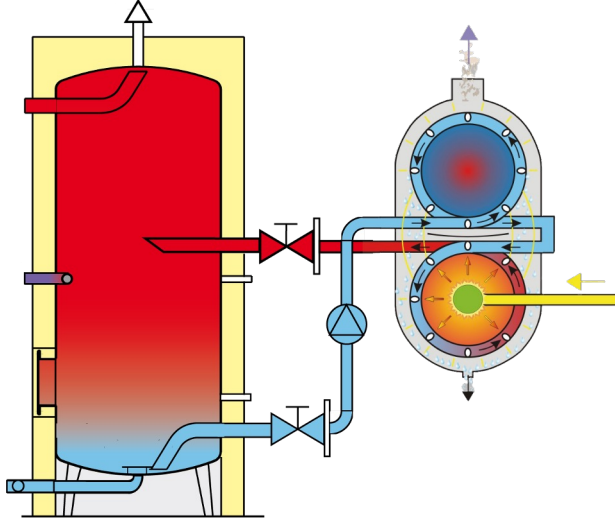


Hot water boilers up to 9000 KW
Working on Light oil, Natural gas, LPG and CNG



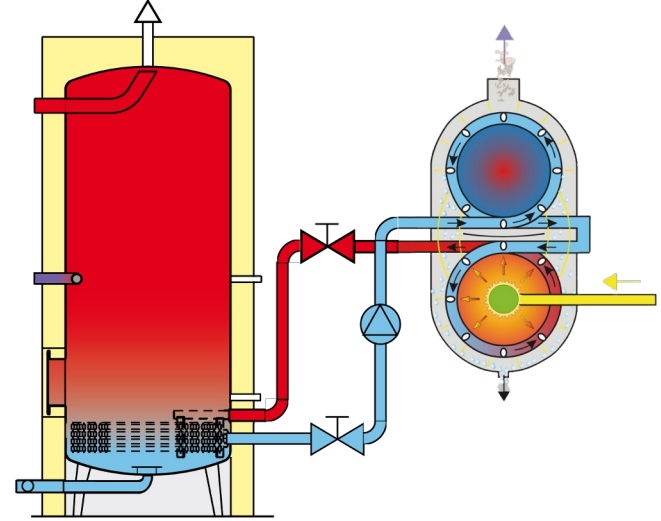
Steam boilers up to 20,000 Kg/ Hr
Working on Light oil, Natural gas, LPG and CNG

ECOTHERM - EDFH / EIFH



EDFH: Direct Fired Water Heater

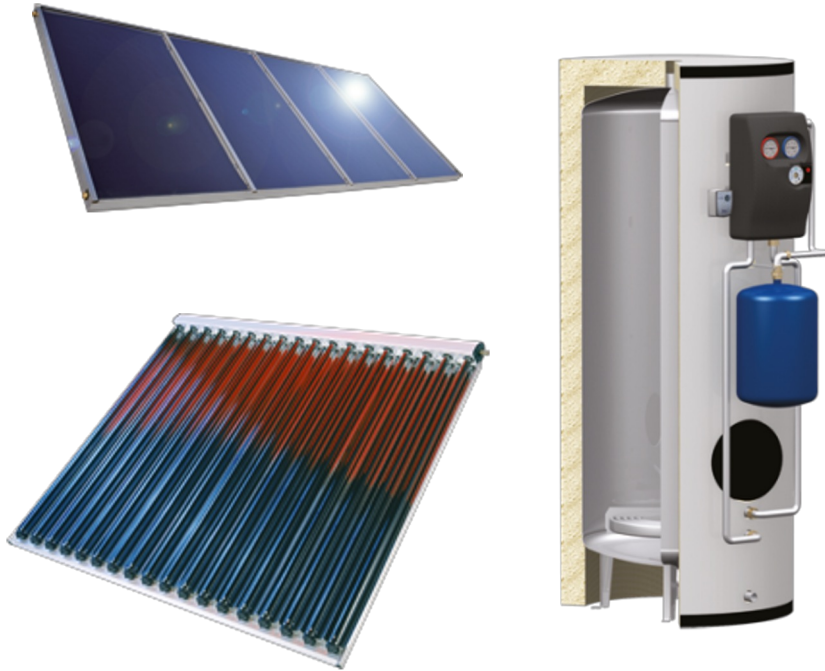
Recommended for water hardness max. 205 ppm Ca
CO₃ or 11,5 °dH



EIFH: Indirect Fired Water Heater

Recommended for water hardness above 205 ppm Ca
CO₃ or 11,5 °dH

ECOTHERM - Thermal Solar Systems



THERMOSIPHON SYSTEM

Hot Water Rises - THERMOSIPHON EFFECT

- Imagine a solar collector filled with cold water. When the Sun heats the collectors, the hot water in the collectors moves upwards in the tank, displacing the cold water, which descends to the bottom of the collectors. The sun heats the water and this Circular path continues. This is known as the “Thermosiphon” effect. The greater the temperature difference the faster is the flow of hot water to the tank.

BLACK ABSORPS HEAT

- If you place a black object in the sun, it gets hot. Heat has been absorbed, and water can be heated using this simple phenomena. The fact that the object also feels hot to the touch means that some heat is being lost.

ECOTHERM – Smart Controls



- Exact temperature control
- Performance logging
- Fuel saving program
- Automatic boiler start (remote).
- Anti-fouling high speed cold water cycle.
- Legionella cycle controller – Weekly electronic timer for the legionella Cycle, to periodically raise the temperature of the hot water in the storage tank to 65°C for short periods.

Selected References - ECOTHERM



King Saud bin Abdulaziz University for Health Science

- Client: KSU
- Type of contract: Design & Build
- Year of delivery: 2012
- Technology:
 - Steam boilers, 5x 6,820 kg/hour, 12 bar
 - Feed water tank 1x 25,200 litres
 - Clean steam generators 4x 3,550 kg/hours at 10 bar
 - 11x High Capacity stainless steel water heaters
- Location: Riyadh, Saudi Arabia



Selected References - ECOTHERM



Burj Khalifa, Dubai

- Client: Armani Hotel
- Type of contract: Design & Build
- Technology:
 - 71,000 litres/hour hygienic hot water at 60 °C
 - Gas condensing boilers & skid mounted
 - Heat exchanger packages, 11x 300 kW
- Location: Dubai, UAE



Selected References - ECOTHERM



Royal Clock Hotel Tower, Mecca

- Client: Royal Clock Hotel
- Type of contract: Design & Build
- Technology:
 - 63x electric hot water systems in stainless steel
 - Total electric capacity 3,880 kW
 - Total tank capacity 66,200 litres
- Location: Makkah, KSA



Selected References - ECOTHERM



Sheikh Jaber Al-Ahmad Al-Jaber Al-Sabah Hospital, Kuwait

- Client: Jaber Al Ahmad Al Sabah Hospital
- Type of contract: Design & Build
- Technology:
 - 3x steam boilers, each 7,000 kg/h
 - 3x clean steam generators, each 4,500 kg/h
 - 5x hot water boilers, each 5,000 kW
 - 31x high capacity water heaters, total capacity 6,920 kW
 - 15x drinking water cooler stations
- Location: Kuwait, Kuwait

AMERICAN WATER HEATER



American Water Heaters is a leading manufacturer of high-quality water heater products with manufacturing, research and development and corporate offices located in Johnson City, TN. American offers a comprehensive line of residential and commercial water heaters.

AMERICAN WATER HEATER



GAS



ELECTRIC



TANKLESS



**PUMP TANKS &
ACCESSORIES**



SOLAR



Commercial Gas



**Commercial
Electric**



Industrial Hoist & Access Solutions



Industrial & Construction Hoists

ALIMAK



Alimak provides permanent and temporary high quality elevators, construction hoists and work platforms built on rack and pinion and traction technologies



Access Solutions

SKYJACK
simply reliable



Skyjack provides quality engineered, simple, and reliable access and material handling



Construction Hoists



- Low Speed DOL 36m/m
- Mid Speed FC 60m/m
- High Speed FCS 90m/m
- LH 200m capacity 2000Kg



Industrial Solutions



- SE
- SE – EX (Explosion Proof)
- ALIMAK Designed every single machine based on each site requirements



Mast Climbing Work Platform



MCWP electric platform can be work in any site requirement with width of max 32 meter and lifting height up to 200m with payload starting from 1500Kg up to 5000Kg.



SKYJACK - Electric indoor use



Drivable at full height and can reach up to 13.5 meter working Height and 318 Kg with rechargeable battery.

SKYJACK - Diesel Outdoor use



Can reach up to 17 Meter Working Height and 900 Kg.



SKYJACK - Straight and Articulating



- Straight boom diesel engine with max Working Height 28 meter and capacity 227kg.
- Articulating Boom Lift made to work in tide area and can reach up to 27 working height with capacity 227 Kg

Our Services

The logo for ALIMAK, featuring the word "ALIMAK" in a bold, white, sans-serif font, centered within a solid orange rounded rectangle.The logo for SKYJACK, featuring the word "SKYJACK" in a bold, grey, sans-serif font. The "Y" is stylized with two red diagonal bars. Below "SKYJACK" is the tagline "simply reliable" in a smaller, red, sans-serif font.

- Technical Support and design.
- Supply and installation with hand over certificates
- Attending emergency call for troubleshooting during operation .
- Preventive maintenance programs based on ALIMAK factory standards
- Spare parts.
- TUV Certificates, operation and troubleshooting Training.