



# REDZEN

*Engineering  
with Quality  
at it's best*

[www.redzen.co](http://www.redzen.co)



## INTRODUCTION

REDZEN is a leading provider of Maintenance Services, turnkey project solutions and contracting for industrial factories, hotels, hospitals and residential/office properties in the Middle East and Africa. We offer a comprehensive range of services, including facility design, engineering, supply, installation, and commissioning of process and utility systems, with a focus on quality and customer satisfaction.

Our technical portfolio includes facility development & design, basic engineering, detailed process and utility design. We design complete industrial facility with our industrial architectural affiliates.

**OUR SERVICES** Division takes care of supply, installation, construction, testing and commissioning and handover of various process and utility systems. Our product ranges cover all commercial, utility & process industrial equipment & accessories at premium quality from European, UAE, Indian, Chinese & Taiwanese Origin. Our utmost priority is quality followed by customer satisfaction and our well trained and experience staff ensure that these standards are maintained during all the phases of the project & services provided.



## TURNKEY PROJECTS (Design & Build / Construction & Industrial)

### HVAC SYSTEMS

We serve commercial, institutional, and industrial customers both large and small scale systems. We provide HVAC systems for Hospitals, schools, universities, industrial plants etc. We design, build, and install for the most challenging projects focusing on excellence and personalized service to provide the highest quality professional services.



### SOLAR SYSTEM

As a supplier of solar installations and ecological energy technology we deliver integrated sustainable energy production solutions. Our product portfolio comprises solar systems for private and commercial users as well as the public sector. We offer complete solar heating, solar power, solar power storage systems mounting systems. In the solar heating segment we are a leading solution provider. With our range of product line we offer new products with heat recovery & energy saving systems.

### FUEL OIL SYSTEM

REDZEN specializes in fuel oil systems, where we provide complete industrial solutions including storage tanks solutions, diesel control systems, HFO heat tracing solutions, Tank Management Solutions etc. We provide high quality solutions with our own product range.



### STEAM & HOT WATER SYSTEMS

We specialize in designing the steam and hot water systems for laundry and process industry. Our engineers are well experienced in their fields with design expertise with relevant vast Industrial experience earned through many years. We have in depth knowledge of installing various laundry equipment, hot water generation plants and other pharma process & hospital equipment.

### COMPRESSED AIR SYSTEMS

We develop innovative sustainable solutions that create value for our customers. With our expertise we design, build, install and provide quality service for compressors, vacuum solutions, air treatment systems, hydraulic, pneumatic and assembly systems.



### CATHODIC PROTECTION

Redzen's provides Cathodic protection services for all kinds of industries having Tanks & Under ground piping. We design, supply and install systems including all site related activities providing all around Turnkey Solution. We also provide annual inspection services for our installed Cathodic protection systems under Annual AMC.

## TURNKEY PROJECTS (Design & Build / Construction & Industrial)

### REFRIGERATION SYSTEMS

Redzen team of cold storage professionals are well versed in this industry. From preconstruction planning and estimating to successful project management. Redzen provides complete "Turn-Key" contracting services for single source responsibility



### PIPING, CLADDING, FABRICATIONS & STRUCTURAL WORKS

All kinds of fabrication (SS/MS) internal structural works for industrial & commercial market like service platforms, railings, duct & sheet metal fabrication, metal fencings, piping jobs, pipe cladding, sheet roofing, chimneys & any other metal related works.

### IOT & ENERGY MANAGEMENT SYSTEMS

Redzen through IoT drives process automation and operational efficiency in many industries healthcare, retail, manufacturing, energy, logistics. IoT applications in energy sector gain particular attention from consumers, businesses and even governments. Apart from numerous benefits to the electric power supply chain, IoT energy management systems give way to new smarter grids and promise unprecedented savings, improved operational costs and enhanced efficiency.



### DOMESTIC WATER COOLING SYSTEM

Redzen's Domestic Water Cooling Systems used in Hotels, Industries, Villas and Hospitals can maintain water temperature below 20°C in Summer. We provide one of the most efficient energy saving technology in the Middle east.

### AUTOMATION SYSTEMS & INDUSTRIAL AUTOMATION SOLUTIONS

Redzen is a leading technology solutions provider with vast experience in automation and controls in industrial applications. With a reputation for highest levels of quality and service, we deliver innovative, reliable and cost efficient technology solutions for the most demanding technical applications. We mainly specialize in Industrial Automation & RF Technology Solutions.



### WASTE MANAGEMENT SYSTEMS

Our Company provides complete solutions for Garbage Chutes System in Hi-rise Residential & Commercial Building complexes. Our product range also offer custom fabricated steel door, steel & plastic garbage trunks, vacuum air technology, compaction products to support our turnkey solutions.

## ENGINEERING SUPPLIES & PRODUCTS

Steam Valves & Accessories (Also available in stainless steel)



PRESSURE REGULATING VALVE



SAFETY VALVE



GLOBE VALVE



TEMPERATURE CONTROL VALVE



STRAINER



STEAM TRAPS

## Metering Equipments



ULTRA SONIC

FLOW METER



FLOW METER

FLOW METER



BTU METER

## Chilled Water Composite Pipe



Chilled Water Composite Pipe & Fittings

HVAC PIPES & FITTINGS

## Stainless Steel Pipes & Fittings



(SS Steel Only, Food Grade & Schedule Range)

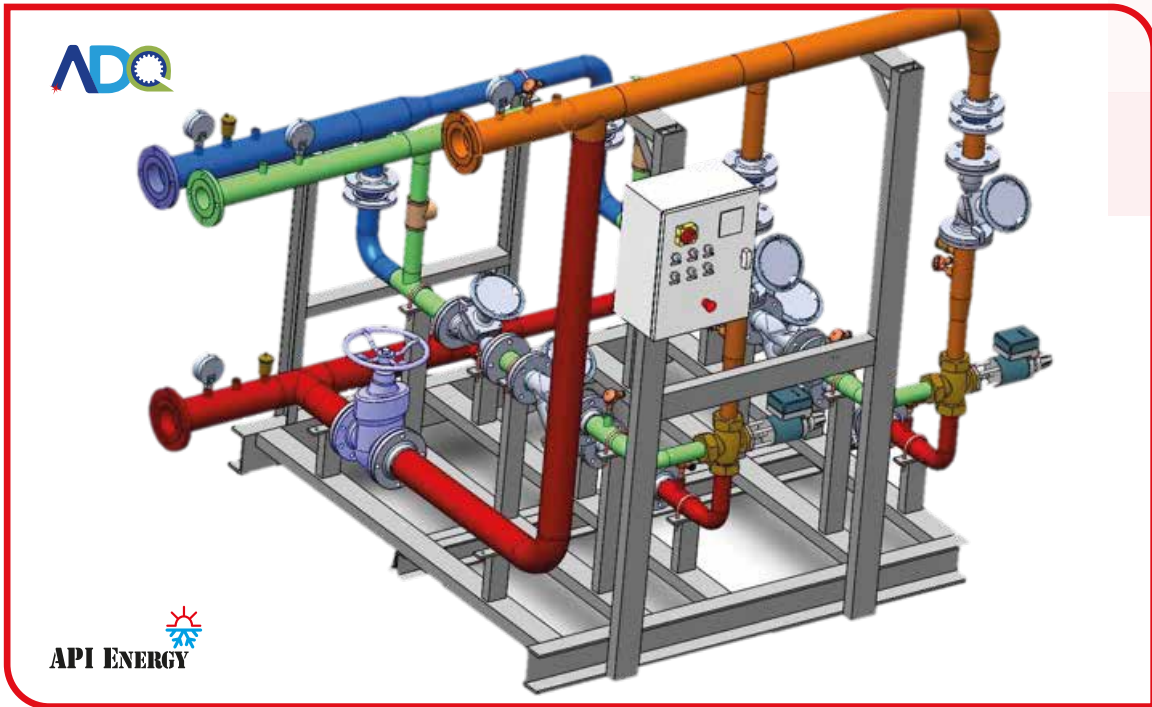
SS PIPES & FITTINGS



(Food Grade & Slider Range)

CLAMPS

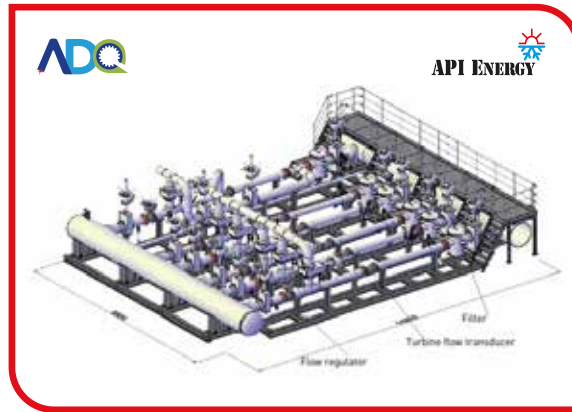
## ENGINEERING SUPPLIES & PRODUCTS



DIGITAL MIXING VALVE STATION



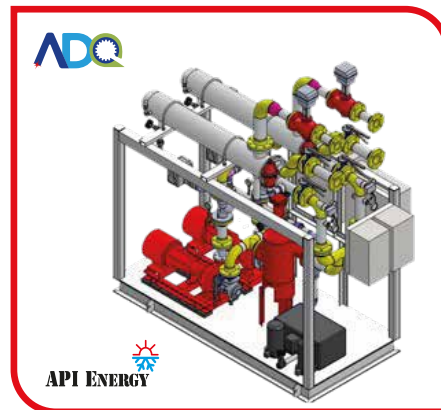
ALL TYPES OF PUMPS



METERING SKIDS



COOLING SKIDS (PLATE TYPE, SHELL & TUBE, AIR COOLED DX UNITS)



## ENGINEERING SUPPLIES & PRODUCTS



PRESSURE VESSELS



CALORIFIERS (GAS FIRED, SOLAR & ELECTRICAL)

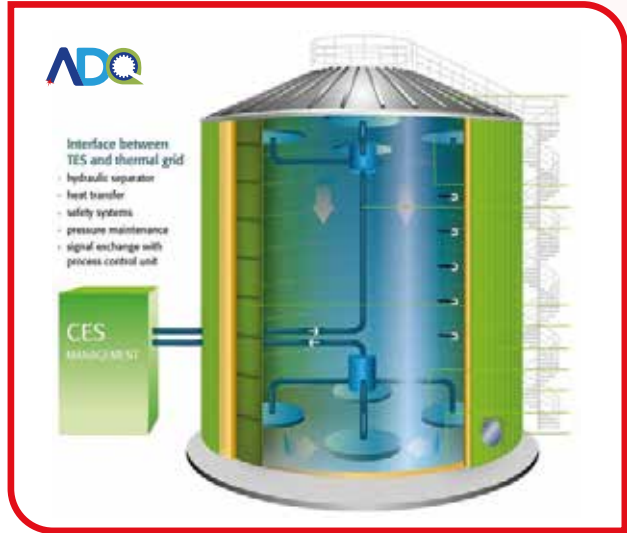


STEAM / HOT WATER BOILERS (DUAL / SINGLE FUEL, SINGLE / MULTIPLE PASS, DRY / WET, CONDENSING)

## ENGINEERING SUPPLIES & PRODUCTS



VFD (VARIABLE FREQUENCY DRIVE)



THERMAL ENERGY STORAGE TANK



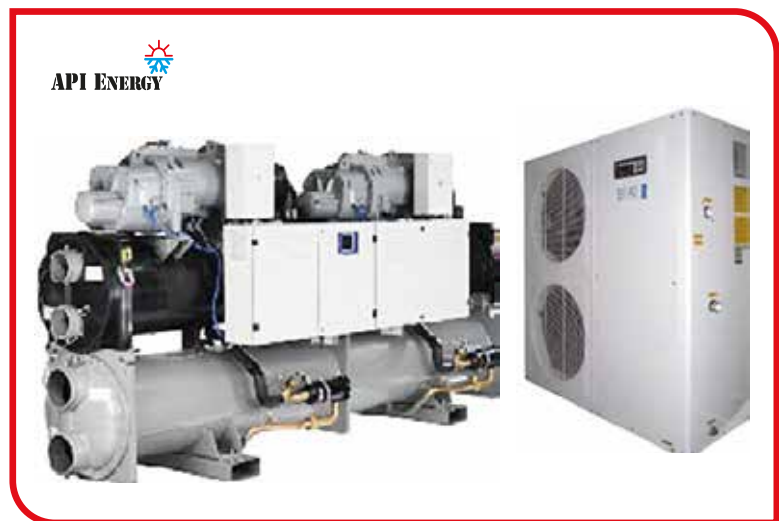
SOLAR PANEL



AIR COOLING PADS



SOLAR HEATING SYSTEMS



HEAT PUMP



## MAINTENANCE SERVICES

Our FM Division consists of vast experienced team of engineers & technicians with outstanding level of expertise in troubleshooting, improvement, rectification & all kinds of repair jobs/services. Our commissioning engineers ensure all our systems are maintained with supreme safety measures and quality maintenance practices are followed ensuring AI services to our customers. Our approach towards maintenance starts from quality first.

- HVAC system maintenance (Chillers, FCU, AHU, ERV, Split Units etc.)
- Boiler Servicing & Annual Maintenance Contract (AMC)
- Calorifier Servicing
- Garbage Chute Maintenance
- PRV Maintenance
- Plumbing & All Kinds of leakage repairs
- Re-Insulation Jobs
- Interiors & Fit out Maintenance ( Tile Works, Reflooring, epoxy painting, wall painting, joinery etc.)
- VFD Servicing & repairs
- Pumps servicing & repairs
- Heat Exchanger Servicing
- Civil Maintenance Works
- Welding Repair Works
- Low Delta-T Troubleshooting Solutions.



## PROJECT MANAGEMENT, CONSULTANCY & BUSINESS SOLUTIONS

Redzen's team consists of vast experienced members in the Industrial Sector. Industrialization has been our main focus towards growth of private & government sector business models. We provide complete business proposal from all corners of the field ranging from commercial to technical aspects.

*Some of our expertise lies in the following fields:-*

- Food & Beverage Process Industry.
- Pipe handling systems.
- BIM ( Rivet Modelling, 3D-Coordination, Detailed Engineering).
- Manufacturing (Limited to REDZEN available expertise).
- Energy Modeling.
- Utility & Process Procurement expertise with a wide range of products serving from REDZEN as well as outsourcing quality & cost effective products.
- Engineering operations & productions process management consultancy (Limited to REDZEN expertise).





CONTRACTORS



CONSULTANT



HOTELS



INDUSTRIAL CLIENTS



OWNERS ASSOCIATIONS



FACILITIES MANAGEMENT



OTHER CLIENTS



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