



حلول خط الطاقة

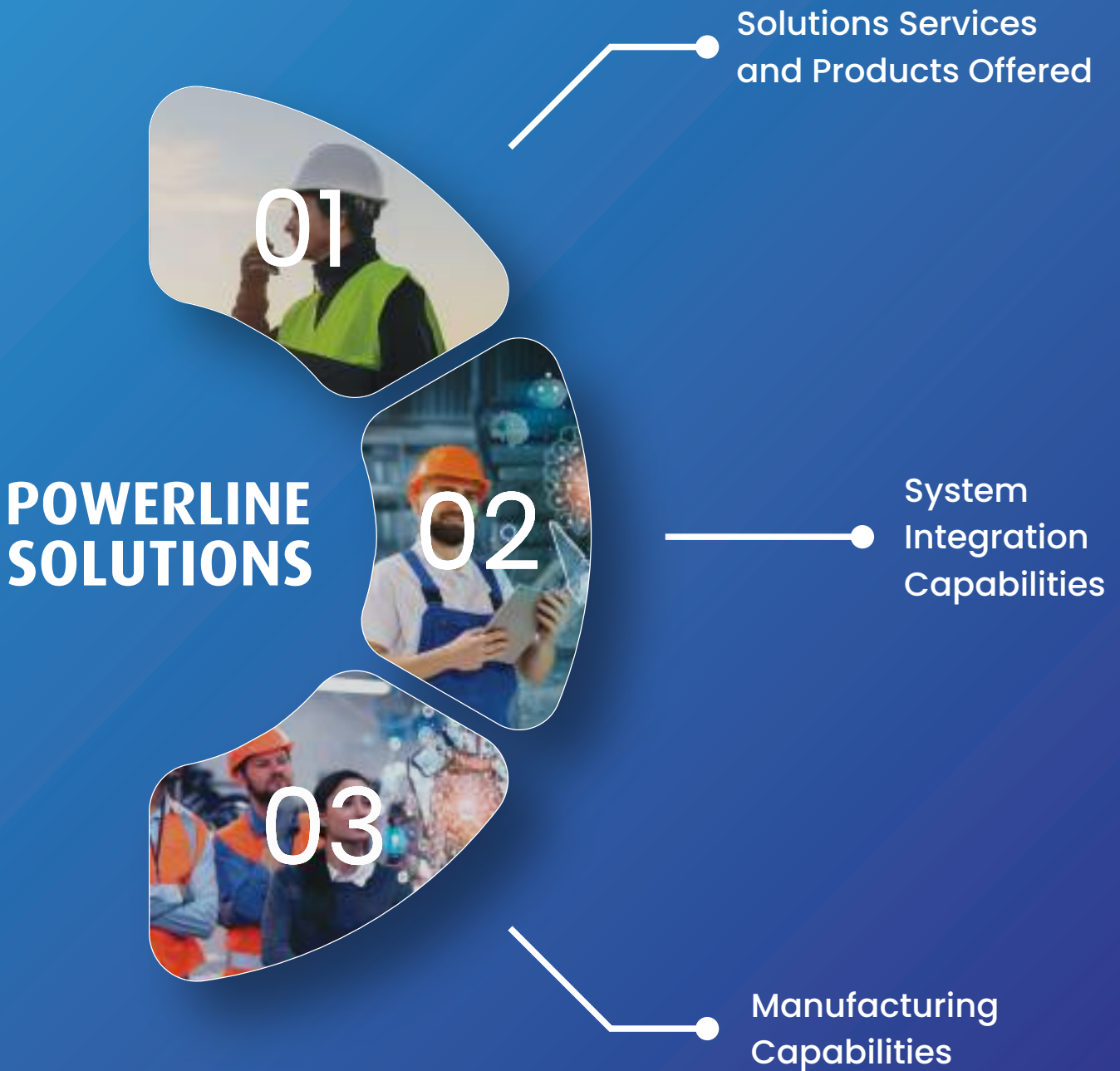
POWERLINE SOLUTIONS

**MECHANICAL EQUIPMENT
BUSINESS UNIT**

www.powerlinesolutions.com

Commencing its journey in 2007, Powerline Solutions has set the standard for excellence in niche industrial segments, leveraging our expertise and in-depth knowledge. With a proven track record spanning almost two decades in the Saudi Arabian market, we have successfully completed several projects in core industrial segments, with the majority characterized by their challenging nature.

At **Powerline Solutions**, we are founded on the principles of leadership and impeccable commitment to our values, which form the bedrock of our operations. Our core values include Ethics, Safety, Quality, Environmental Integrity, Rigorous Training & Employee Welfare.



Solutions Services and Products Offered:



▴ EPC Projects

▴ Supply of Specialized Equipment & Solutions: We provide a comprehensive range of

- Mechanical Equipment
- Power Transformers
- Switchgears & Protection Upgradation
- Health care systems equipment & solutions.
- Electrical equipment & Solutions
- Power Quality devices & Solutions
- Instrumentation Devices & Solutions
- Power Backup Solutions

▴ Expert Service Team: Our highly competent & factory trained service team is equipped to handle any challenges in

- Static & rotating Mechanical Equipment
- Power Transformers
- Industrial Backup Power Systems
- Instrumentation & Control Systems
- Power System Protection
- Industrial Drives
- Power Quality Services
- Health Care Systems

System Integration Capabilities:



- Analyzer shelter & sample handling systems
- Containerized Emergency Power Backup Solutions
- Containerized Modular RO Packages & Modular Sewage Treatment Plants
- Modular Engineering packages for process cooling systems, chillers & chemical dosing skids

Manufacturing Capabilities:



- All types of gas detectors, flame detectors, alarms & controllers
- Critical control valves for industries such as Oil and Gas, Petrochemicals, Power, Water, Wastewater, Submarine & Cryogenic applications
- Electrical Panel enclosures & special application switchgear components
- Diverse range of polymer & rubber products

Partner with Powerline Solutions for impeccable commitment, unparalleled expertise, reliability, & innovation in industrial solutions & services. Let us empower your success.

Powerline Solutions is a trusted, authorized distributor of premium industrial equipment and services, specializing in a wide range of products including pumps, blowers, valves, strainers, rupture discs, and other static and rotary equipment. We cater to various industries, including Oil & Gas, Chemical & Petrochemical, Power, Mining, Water & Wastewater, and many others.

With years of expertise in the field, we are committed to delivering reliable, efficient solutions tailored to the unique needs of our clients. Our comprehensive product range is designed to enhance operational efficiency, reliability and ensure the safety of your industrial operations. This includes industrial pumps for liquids, gases, and slurries, control valves, blowers for air and gas handling, strainers, rupture discs, and more.

As an authorized distributor, we guarantee that all products come directly from leading, trusted manufacturers in the industry. Our experienced professionals provide top-tier support, including installation, maintenance, repair services and supply of spare parts for the equipment we supply.

Let **Powerline Solutions** be your trusted partner in ensuring the success and safety of your operations.



Sealless magnetic driven pumps



From **Klaus Union** – Germany, a renowned name in seal-less mag drive centrifugal pump technology, we delivers,

- Mag drive pumps complying to ASME B73.3 & API 685 standards
- Submerged Vertical Seal-less mag drive pumps

Features

- Tailor made solutions to your applications
- Special features to handle liquid containing solid particles
- Flow range covers up to 3500 m³/h and head up to 700 metres
- Wide range of material selection available for wetted parts

Chemical Injection Pumps & Metering Skids



We offer custom engineered, expertly built metering pumps and packages. The product range includes a complete program of both packed plunger and sealless hydraulically actuated diaphragm pumps, with a total performance range covering flows up to 180 m³/h and pressures up to 1,200 bar

Features of LEWA diaphragm pumps includes:-

- Complies to API 675
- Totally leak-tight, with secondary containment by special “sandwich” diaphragm.
- Diaphragm condition monitor and built-in hydraulic pressure relief for safety.
- High suction pressure capability, even with difficult-to-handle liquids such as aggressives, slurries, low lubricity, low viscosity, toxic, flammable, etc..

Canned Motor Sealless Centrifugal Pumps



NIKKISO, a pioneer in “Canned Motor Pumps”, delivers sealless pumps where zero leakage is obligatory.

- Flow range covers up to 780 m³/h and head up to 210 metres
- A wide range of liquid end materials are available which enable to suit your unique application
- Pumps complying to ASME B73.3 & API 685 standards are available
- Capable of delivering pumps suitable for Cryogenic applications



Gear Pumps



Capable of supplying a wide spectrum of applications, from a non-pulsing magnetically driven external gear pump, to the more robust internal gear pumps and heavy duty circumferential pumps (capable of handling up to 20 million SSU).

Applications Includes :-

- Loading & Unloading of fuel oil and Asphalt
- Chemical processing
- Transferring of high viscous fluids
- Chemical dosing
- Lubrication application
- Pumps complying to API 674 & 676



Vertical Turbine Pumps



Floway® Pumps is a brand of Trillium Flow Technologies and is known around the world for its superior quality, reliable hydraulic performance, and long service life.

- VFP Vertical Turbine Fire Protection Pump
- VHP API 610 Vertical Turbine Pump
- VSB Submersible Vertical Turbine Pump
- VTP General Vertical Turbine Pump
- VTSP Vertical Turbine Solids Pump



High Pressure Centrifugal Pumps API 610



The Roto-Jet® is a brand of Trillium Flow Technologies that encompasses high-pressure, single-stage centrifugal pumps with advanced pitot tube technology that are successful for demanding low-flow, high-head applications.

Features and Benefits:

- No external lube system required
- No wear rings or close running clearances
- Robust design is insensitive to process upsets
- Pulsation free flow over the entire head-flow curve
- Reduced life cycle cost by optimizing hydraulic efficiency
- Process seals exposed only to suction pressure for maximum seal life
- High heads achieved in a single stage at low operating speeds compared to other low-flow, high-head pumps



Centrifugal Screw & Vortex Pumps



WEMCO® Pumps is a brand of Trillium Flow Technologies & equipment are designed to be robust, reliable, and safe, with more than 50 years of experience serving municipal and industrial customers in markets as diverse as water & wastewater, agri-food, solid bulk and sand applications, chemicals, & general industry.

Types: -

- WEMCO® Hydrogritter® Grit Removal System
- WEMCO® Torque-Flow® Recessed Impeller Pump



Self-Priming Pumps



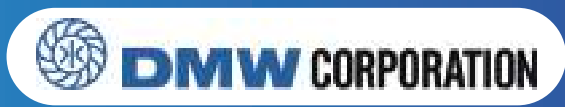
WSP™ Self-Primer Pump is a brand of Trillium Flow Technologies and is a rugged and dependable self-priming, solids-handling trash pump. Our focus is on simplifying maintenance and reducing life cycle costs for our customers through innovative design and durability.

Types: -

- WSP™ CHOP FLOW PUMP
- WSP™ NON-CLOG PUMP
- WSP™ FOOD TRANSFER PUMP
- WSP™ SELF-PRIMER PUMP



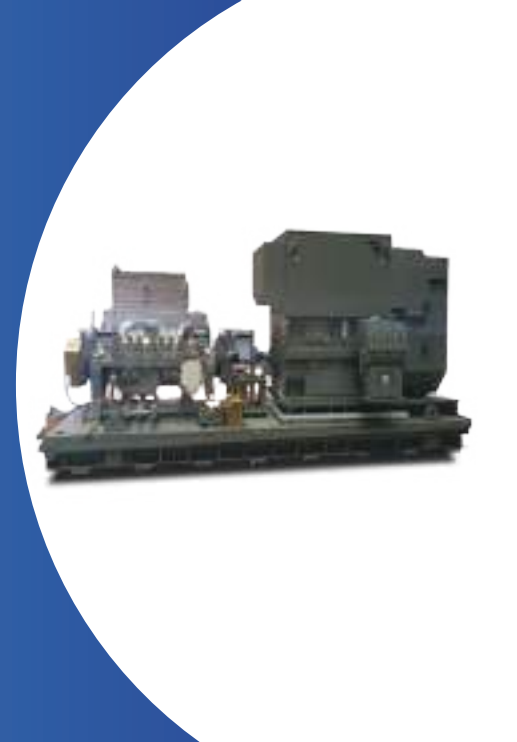
Horizontal & Vertical API610 Pumps



Dengyosha Marine Works (DMW) dates to 1910 in Japan. Since 1955 it has manufactured Pumps, Fans, Blowers, and Valves.

Pumps Type: -

- Horizontal Single Stage Pumps API 610
- Horizontal Multistage Pumps BB3 to API 610
- Horizontal Multistage Pumps BB5 to API 610
- Horizontal Double Suction Pumps BB1 to API610
- Large Vertical VS1 pumps (API610 available)
- Middle Sized Vertical VS1 or pumps with Suction (Barrel) Tank
- Middle Sized Vertical VS1 pumps (API610 available, Lengthy shaft available)



Steam Turbines



Howden one of the leading turbo machinery manufacturers (formerly AG Kuehne, Peter Brotherhood, Kopp & Kausch / Siemens Turbomachinery Equipment GmbH), with over 100 years of experience and continuous development, and a fleet of more than 20,000 installed turbines, we are a prime partner for your business.

Howden steam turbines provide a power output up to 40MW

Our steam turbines are used extensively with small-scale industrial power, waste heat recovery, renewable energy systems and as drives for machinery such as pumps and compressors as condensing and backpressure types.



Progressive Cavity Pumps

PCM
keep it moving

PCM one of the leading manufacturers of Progressive Cavity Pumps and fluid handling system in the world. The typical features of PCM pumps are:

- Low life cycle costs
- Elastomer expertise through in-house manufacturing
- Eco-designed pumps

PCM offers versatile, robust and easy to maintain technical pumping solutions, designed to adapt to all needs in the Oil & Gas, Food or Industry sectors. With vast amount of knowledge and experience gained over the years, we can assist you with any Progressive Cavity pump requirement. Apart from PC Pumps, PCM manufactures peristaltic pumps or hose pumps covering a variety of applications, the advantages include self-priming design, lack of seals or valves and reduced maintenance costs.



Submersible Pumps

wilo

Wilo is one of the world's leading manufacturers of pumps and pump systems for building services, water management, and groundwater applications. Wilo produces pumps that guarantee maximum reliability, flexibility, and efficiency.

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Pump Types: -

- Submersible Pumps
- Centrifugal Pumps



Air Operated Double Diaphragm (AODD) Pumps

WILDEN

From the global leader in AODD pumps, Wilden – USA

we offer:-

- Air Operated Double Diaphragm Pumps
- Variety of Air Distribution Systems & Accessories.

Features :-

- Flow Rates up to 1048 LPM & Discharge pressure up to 17.2 Bar
- Low Air Consumption with ProFlo-SHIFT Technology, up to 60% more efficient.
- Available in SS, Polypropylene, Aluminum, Hastelloy
- Diaphragms in Teflon, Neoprene, Wilflex, EPDM & Chem-Fuse



Almatec® Air Operated Double Diaphragm (AODD) Pumps



Almatec® is a premier manufacturer of air-operated double-diaphragm (AODD) pumps and respected leader worldwide due to superior product quality and unmatched German innovation.

Features :-

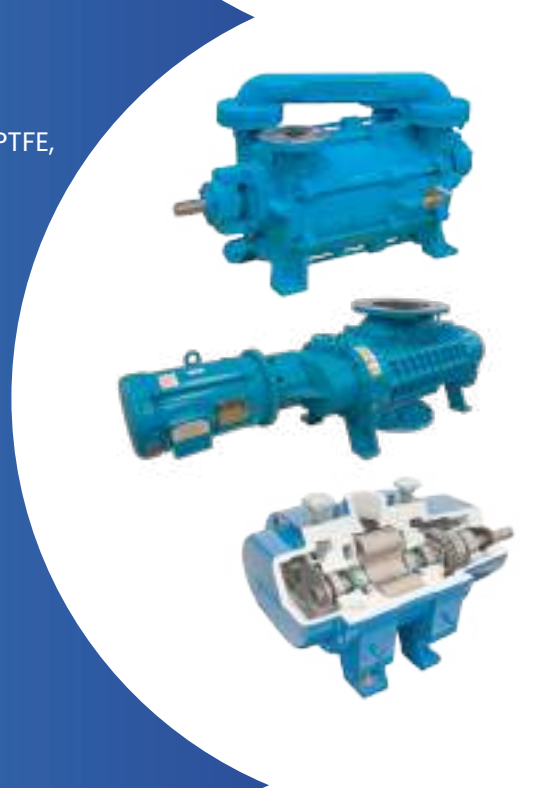
- Solid body construction of the plastic pumps with high safety level due to the ring-tightening structure
- Material selection with required corrosive and abrasion resistance for pump housings and internals
- Conductive models for explosion-proof areas and flammable liquids (ATEX conformity)
- Non-Stalling PERSWING Air Valve, No Metal at all (PETP Material).
- Sizes ¼" to 3".
- Single piece Diaphragms with Integrated Metal Core, available in PTFE, EPDM & NBR.
- Low Noise Levels.



Vacuum & Blower Systems



- Our product range covers Liquid Ring, Rotary Piston, Rotary Vane and Dry Screw vacuum pumps capable of producing a very low vacuum at a higher pumping speed, serving a wide range of markets and applications.
- Engineered vacuum systems including Pump/Booster skids are also available.
- We size a wide range of rotary lobe blowers and vacuum boosters into applications spanning several markets. Custom engineered blower package are available to meet the unique specifications of your application.



API Blowers & Fans



Since its foundation in 1910, DMW Corporation has been a trusted leader in the design and manufacture of fans and blowers for the oil and gas industry, specializing in one-of-a-kind solutions for industry-leading companies all over the world.

Blowers and Fans Type: -

- Centrifugal Blowers
- Multistage Centrifugal Blower
- Boost Up Fan
- Forced Draft Fan Induced Draft (ID) Fan
- Gas Recirculation Fan



Strainers, Filters & Flame Arresters



From BARTON FIRTOP, a competitive Designer & Manufacturer we offer:

- Duplex Strainers
- Low loss & Mono-in-line basket strainers
- Y-type & T-type strainers
- Filters
- Cartridge Filters
- Self-cleaning Filters
- Flame Arresters

We manufacture strainers with 'lowest pressure drop in the world'. The size ranges from 0.5" NB (DN 15mm) up to 90" NB (DN 2200mm). Can make in any material including exotic materials (for severe applications).



Rupture Discs & Explosion Vents



Fike is a globally recognized supplier of products and services that protect people and critical assets from dangers such as fire, explosion, and over-pressurization.

- Fike offers reliable rupture (bursting) discs for liquid or vapor applications in a wide range of sizes and materials.
- Sizes available from 1" to 56"
- AXIUS & ATLAS – Disc models manufactured under innovative and patented G2 technology
- Up to 95% operating ratio available
- Extrusion discs (suitable for extrusion processes) & Engineered discs for special applications also available.



Twin Screw Pump (API 685 / API 676)



Klaus Union world-leading Screw pump manufacturer for the industrial sector.

- Flow Rate: max. 1.800 m³/h
- Differential Pressure: max. 40 bar
- Temperature Range: -120°C to +350 °C
- Pressure Rating: PN 400
- Viscosity: max. 100.000 mm²/s (cSt)

Products Ranges:

- Single Volute Twin Screw Pump with Magnet Drive acc. to API 676 3rd Edition
- Single Volute Twin Screw Pump with Mechanical Seal acc. to API 676 3rd Edition
- Double Volute Twin Screw Pump with Mechanical Seal acc. to API 676, 3rd Edition



Vacuum Ejectors

CROLL REYNOLDS

Croll Reynolds is an engineering firm specializing in the research, design, and manufacture of process vacuum systems, combination liquid ring/ejector systems, thermo compressors, vacuum chillers and pollution control systems.



Seal-less Magnetic Driven Plastic Centrifugal Pumps

FTI FINISH THOMPSON INC.

Finish Thompson Inc. is widely considered to be one of the most trusted leaders in the corrosive chemical transfer space. The variety of product types they offer include

- Magnetic Drive sealless Plastic Pumps
- Magnetic Drive sealless self priming pumps
- ANSI dimensional ETFE lined sealless pumps
- Drum/ Barrel pumps

In addition to features like the unique Neodymium magnetic drive system and high dry run capability, an active R&D team and a constantly evolving product range are specialties of Finish Thompson.



ISO 2858-5199 Centrifugal Pumps

SALVATORE ROBUSCHI POMPE PARMA

Salvatore Robuschi started his activity in 1935. Centrifugal Pumps are built according to ISO 5199/ ISO 2858 norms.

Type: -

- Centrifugal pumps with impellers are built according to ISO 2858-5199 norms.
- Multistage centrifugal pumps with closed impeller.
- Multistage self-priming pumps.
- Vertical centrifugal pumps with closed, open, vortex, and channel impellers according to ISO 5199 norm



Chopper Pumps, Mixers & Aerators

Landia

From Landia A/S, the pioneers of the chopper pump technology, we supplies below range of products :-

- o Dry installed Chopper/ sludge Pumps
- o Submerged Chopper/ sludge pumps
- o Submersible and Side entry Mixers
- o Aerators
- o MBBR mixers

Inventors of the technology, Landia chopper pumps are equipped with a special knife system to meet the need for macerating and pumping liquids with high solid content like sludge and thick slurries. Using open impellers and their knife system, Landia pumps ensure problem-free operation under conditions where many other pumps have problems with clogging.



Fiberglass Centrifugal Pumps

ARGAL ITALY
PUMPS

Back in 1975, ARGAL was born from the need for pumping solutions able to transfer corrosive and toxic liquids.

Type: -

Capacities up to 1350m³/hANSI/ASME B73.1 conformity
Vinylester resin reinforced with fiberglass is free from liquid aggression (corrosion) and therefore does not release particles or substances that can alter the liquid

- FRP Centrifugal Pumps
- ANSI/ASME Pumps
- Vertical/Sump Pumps
- Horizontal Pumps



Confined Space Ventilators

COPPUS
Portable Ventilators

For more than 90 years, COPPUS portable ventilators and cooling products have been recognized as leaders in providing reliable, ventilation to meet the demands of safety and maintenance personnel around the world in refineries, chemical plants, steel mills.... etc.

Products include: -

- Compressed air driven confined space ventilators & air movers
- Electrical driven Centrifugal & vane axial blowers / exhausters
- Product & personnel cooling fans



Control Valves



Enoch Control Valve Manufacturing Company based in Nashik, India, was solely established to supply good quality control valves and steam conditioning equipment to facilitate the processing of process industries.

Type: -

- Choke Valves
- Globe Control Valve
- Butterfly Control Valve
- Ball Control Valve
- Rotary Plug Control Valve
- Mechanical Desuperheater /PROS stations
- Spring Diaphragm Pneumatic Actuators Single Spring Actuator. Multi-Spring Actuator



Valves



Maverick Valve is an independent company and completely specializes in the in-house manufacturing of standard and custom-made valves.

- Butterfly Valves
- Ball Valves
- Check Valves
- Control Valves
- Gate Valves
- Globe Valve



Thermoplastic Valves



SAFI, the 1st French manufacturer of industrial thermoplastic valves Founded in 1963 by Jacques MOISON, SAFI designs and manufactures a wide range of thermoplastic valves for the most demanding industries.

Type: -

- Ball valve, Diaphragm valve, Butterfly valve
- Check the valve and strainer.
- Flow control Sight glass valve, Flow meter, Pressure reducer, Pressure retaining valve, Pressure relief valve & Diaphragm pressure gauge guard



Knife Gate Valves



V-TORK® was started in 2008 based in Coimbatore, Tamil Nadu, INDIA, an engineering hub of South India by a group of young, energetic, enthusiastic & expert engineers.

Type: -

- Ball valve, Diaphragm valve, Butterfly valve
- Check the valve and strainer.
- General Knife Gate Valves
- Slurry Knife Gate Valves
- Awwa Knife Gate Valves



Actuators



Enertorque Co., Ltd (Korea). has been a leader in the electric actuator industry used in national infrastructure industries such as water purification plants, sewage treatment plants, plants, and power plants since its establishment in 1987

Solutions: -

- Air Pollution Control
- Bulk solid Handling
- Grinding Solutions
- Mixing systems
- Pneumatic conveying systems



Heat Exchangers & Condensers



AB Progetti has more than 70 years of experience in condensers, and heat exchanger manufacturing. Gland Condensers Gland Condensers are heat exchangers used to condense the steam that leaks past the first section of seals within the shaft of a steam turbine.

Type: -

- Condensers
- Heat Exchangers



Powder Handling Solutions



Established in 1975, RIECO Industries has been at the forefront of project engineering and manufacturing in India for 47+ strong years!

Solutions: -

- Air Pollution Control
- Bulk solid Handling
- Grinding Solutions
- Mixing systems
- Pneumatic conveying systems



Torquing Tools



New World Technologies Inc. is a leading Canadian manufacturer of pneumatic, battery- powered, and electronic pistol grip torque wrenches which are marketed under the RAD trademark.

Type: -

New World Technologies Inc. is a leading Canadian manufacturer of pneumatic, battery- powered, and electronic pistol grip torque wrenches which are marketed under the RAD trademark.



Powerline Water Solution



We design and manufacturing water & wastewater treatment systems. Deliver cost- effective, reliable water treatment plants and services to municipal, industrial, commercial, agricultural, and institutional customers in the Middle East. We are very active in the field of water treatment solutions.

Type: -

- RO Desalination, RO Brackish
- Ultra Filtration, Nanofiltration
- Water Softeners
- Electro Deionization (EDI) System
- Municipal Sewage Treatment
- Industrial Effluent Treatment
- Advance Oxidation Systems
- Multimedia Filtration System, Activated Carbon Filtration, Self-Cleaning
- Chlorine Generation Package
- Upflow Anaerobic Sludge Blanket
- Clarification
- Dewatering System
- Oil Separation System



Modular & Engineering Package

Modular and Engineering Package is the equipment comprised of multiple equipment & its components, piping, instruments, electrical items, and other related accessories which are all fabricated and assembled at our workshop facility and mounted on the skid which are ready for connection & use at the site.

Type: -

- Modular Chiller Units
- Process Cooling Water System
- Pumping Skids
- Mixing Tee
- Odour Control Units
- Chemical Dosing System



Modular Chiller Package Integration

Our Modular Chiller Package Integration services offer customized, energy-efficient solutions tailored to your cooling needs. Designed for flexibility and scalability, our modular chiller systems provide optimal performance and reliability, making them ideal for a wide range of industrial and commercial applications.



Process cooling water system

We specialize in the fabrication and assembly of pump skids, providing turnkey solutions that include design, engineering, and installation. Our pump skids are built to meet the highest standards of quality and performance, ensuring efficient fluid handling for various processes.



Pneumatic operated chemical injection pump skids

Many chemicals are critical in protecting the pipelines transporting the crude oil or gas. These lines need to be dosed sometimes all the times against high pressures. The chemical like corrosion Inhibitors etc are dosed using pneumatically operated pumps or sometimes electrically operated pumps pumping fluids at an extreme high pressure. They are useful for installation onshore and off shore oil/gas platforms.



Engineering, Procurement & Construction (EPC)

Powerline Solutions is an EPC Electromechanical Contracting Company operating in Petrochemical, Oil & Gas, Power Plants, Water & Waste water & other industry Fields. Powerline Solutions team fields of expertise cover Turn Key Solutions, FEED, Detailed Engineering and Engineering Studies, Fabrication, Equipment Installation, Testing, Commissioning & Start-Up.

Throughout 17 years of experience, Powerline Solutions has developed strong relations with numerous suppliers and established qualified workforce with global experience, in addition to utilizing of Powerline fabrication workshop in Jubail, which make a foundation for Powerline success and achievements of projects of fast track nature. Whereas we works are highly rated and appreciated by customers.

With large number of completed projects, Powerline Solutions aims to deliver cost effective, technically feasible engineering solutions all over KSA, UAE & Qatar.



Repair & Services

There is a fully equipped service center for Powerline Solutions in Jubail. The company has engineers and technicians that are capable of providing both rotary and static maintenance services, such as pump, blower, fan, compressor, valve, heat exchanger, gearbox, and electric motor.





Pump Alignment & Dynamic Balancing

Gearbox Repair & Maintenance

Pump Repair & Maintenance

Compressor Repair & Maintenance

Valve Repair & Maintenance

Blowers & Fans Repair and Maintenance

Heat Exchanger Repair & Maintenance

Electric Motor Repair & Maintenance

SERVICES



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