



THE GLOBAL SOLUTIONS OF POWER, WATER, CHEMICALS & CONTROLS

“Low Cost, High Efficiency and Custom Solutions”

COMPANY INTRODUCTION

Comprehensive Solutions Provider PEIC is a leading Industrial technology provider focusing on technical services and expertise to the Power, Water, Oil & Gas, Chemical, Petrochemical, Automobile and Healthcare sector. Our Company offers the commitment to supply a quality, reliable, efficient, safe, and professional service for all customers and clients. Our extensive knowledge and valuable experience enable us to develop cost effective and cutting-edge solutions that offer greater efficiency and productivity for a wide and varies range of customer applications. Our abilities are advanced to a stage where we deliver projects on time and within budget. The highly trained staff of our company will provide you with the design and implementation you need, and the quality, integrity, and professionalism you deserve. Some of our solutions across industries are Wastewater treatment, Process optimization, Filters and Separators, Chemicals management, advanced Controls and Site operations management.

Vision

“To sustain leadership, in every aspect of the business, along with meeting the objectives and needs of our clients and employees”.

To be a world-class Industrial solution and service provider creating value and excellence for global partners.

Mission

To commit to our clients’ success by providing high-quality, professional service. To fulfil our social responsibilities by providing a platform to attract talents and help them realize their potential.

Values

At PEIC, we realize that our customers have many options when selecting an industrial service provider. We are committed to being your industrial service provider of your choice. Thank you for taking the time to learn about our company, our product and service offerings, and the many ways we may be a solution provider to you. We look forward to working with you!



ELECTRICAL PRODUCTS & SERVICES

PEIIC specializes in design & manufacture of customized quality Low Voltage Switchgear & control panel boards of various capacity to suit Oil & Gas, Water & Electricity, Infrastructure, Building and Public Utility projects.

1. LV Electrical & VFD Panels

PEIIC is one of the recognized names in the industry for designing, keeping in mind the specific requirements of the clients, and providing an array of Electrical Panels some of which are listed below. These panels are made of good quality materials in accordance with industrial quality standards. These find their application in commercial buildings, hospitals, industries, dairies, telecommunications, research laboratories etc.

- Synchronizing Panel, ATS Panel
- Automatic Power Factor Correction Panel
- Feeder Pillars, Final Distribution Board
- Form 4 -L.V. Panel Board, Metering Panel
- Capacitor Bank, Motor Control Center
- Pump Control Panel, PCC (Power Control Center) Panels



2. Supply of Electrical Switchgears

PEIIC can supply the low and medium voltage electrical distribution products and control components from various brands to cater your needs, our product line includes the supply of circuit breakers such as MCB, ELCB, RCCB, ACB etc. and control components such as relays, contactors, analog and digital timers, phase failure relays, overload relays etc. We also supply explosion proof panels, powder coated and stainless-steel panels junction boxes and cables.



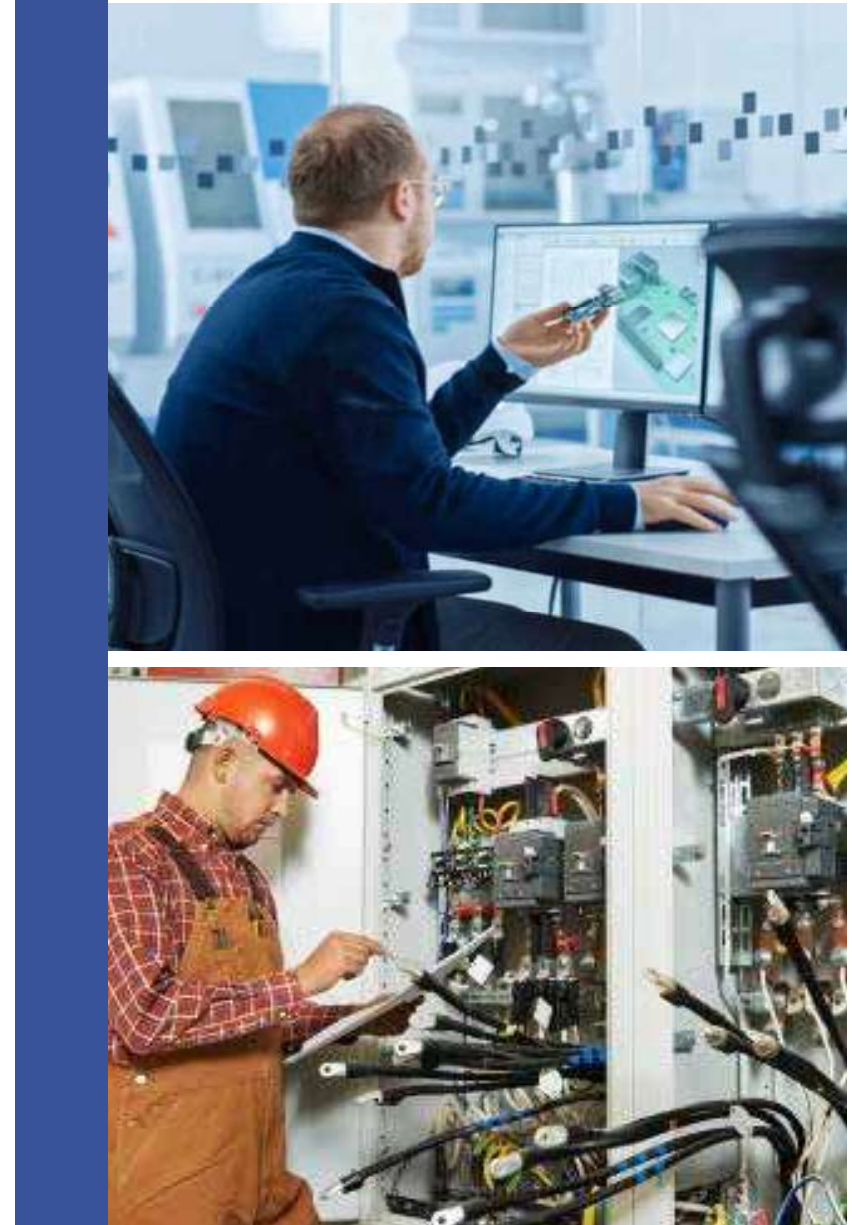
3. Detailed Engineering, Design Consultation & Upgradation

The company has full-fledged in-house engineering team with Computer Aided Design and Drafting system allowing full flexibility for the design of custom-built Panels suiting Customer's requirements. This also facilitates fully computerized data bank for continuous evaluation and up-gradation of design.

- Design base report & Load Calculations
- Equipment Selection & Schematic Diagrams
- Cable Selection & Voltage Drop Calculations
- Complete Electrical Layout

We have experienced electrical engineers who help estimating budget of any electrical work, estimating turnaround time to complete any electrical projects or you can hire our engineers for making electrical drawing, electrical audit etc.

- Provide Support for Preparation of Technical Specification
- Provide support for substation Layout Plan and Sections
- Provide support for cable Routing layout and Schedule
- Provide support for equipment Selection
- Electrical inspection condition report
- Installation test report



4. Electrical Maintenance & Services

PEIC deals with maintenance, troubleshooting & servicing of all kinds of Electrical distribution systems and control panels which includes LV electrical panels, Distribution panels and control panels. We undertake

- annual maintenance contracts
- Short term & call off maintenance contracts
- Shut down jobs



PEIC engaged in installation, commissioning, testing & start-up activities of all kinds of Electrical distribution boards, control panels and LV electrical panels.

- Installation of Electrical Systems
- Testing & Commissioning
- Manpower / Skilled Professionals Supply
- Cabling, Earthing, Termination

INSTRUMENTATION PRODUCTS & SERVICES

PEIC is a world-leading manufacturer and supplier of solutions in industrial process instrumentation. We are supporting products and services for one-stop-shopping and in industries as widespread as oil & gas, water & wastewater, chemical & petrochemical, food & beverage, power, minerals & mining and marine, we represent globally reputed brands of instrumentation companies, and we ensure that we can provide you the best quality instruments for all your applications.

1. Field Instrumentation

- Flow - We offer instrumentation and equipment for Magnetic flow, Coriolis flow, vortex flow, ultrasonic flow, and other flow measurement processes. Please see below for a complete list of flow instrumentation products we offer.
- Level - We provide a wide range of level instrumentation, from basic floats and mechanical point switches to complex ultrasonic and radar level transmitters. Below range of instruments covers our scope of supply.
- Pressure - We provide our customers with a vast selection of pressure control and monitoring instrumentation from simple bourdon tube pressure gauges to highly versatile, extremely accurate pressure transmitters.
- Temperature - We provide a wide range of temperature instrumentation products, from simple dial thermometers to sophisticated, versatile temperature controllers and transmitters.
- Valves - We provide various instrumentation valves such needle valve, ball valve, pressure safety valve, pressure relief valve, thermal shut off valve, bleed valve, solenoid valve etc.





2. Analytical Process Instrumentation

Liquid & Gas Analyzers – provides a complete range of water chemistry online analyzers from various reputed brands. PH, Conductivity, SDI, ORP, Hardness, Brine concentration, Concentration, DO, Chlorine, OIW, BSW, H2S, TOC. We also undertake maintenance contract of all kinds of field analytical instrumentation.

3. Portable & Laboratory Instruments

PEIC provides portable instruments to measure various process parameters in the process industry. We also provide calibration and service of the portable & laboratory instruments. We provide various portable & laboratory instrument for process parameter measurements in the Water, Oil & Gas, Power, Cement and Pharmaceutical industries. We undertake maintenance contract of all kinds of laboratory instruments.



4. Instrumentation Packages & Fittings

PEIC provides integrated instrumentation packages for various applications based on our customer requirements.

Instrumentation skids & fittings

Steam Water Analysis System (SWAS)

Online Instrumentation Packages for Water and O&G

Online Monitoring & Control Solutions for Cooling Tower, Boilers & RO

Remote Monitoring & IoT Application

Corrosion Monitoring System Packages

Detailed engineering & consultation Services

Calibration and maintenance of all kinds of instruments



AUTOMATION PRODUCTS & SERVICES

PEIC is a leading Industrial Automation Solutions provider offering services in the Middle East region and covering a wide range of applications and processes including Oil & Gas, Utilities, and Manufacturing. We offer PLC/SCADA based solutions as well as DCS based solutions for discrete, batch, and continuous processes. We offer Asset Performance Management Solutions including Asset Online Condition Monitoring Solutions, Reliability Centered Maintenance (RCM) implementation improving Asset Performance, and Internationally Recognized Vibration Training Courses Certified by the Vibration Institute. We also Offer Substation Automation and Electrical SCADA and Distribution Management Systems (DMS).

1. PLC & SCADA Control Panels

PEIC involved in manufacturing & supplying of wide array of PLC & SCADA Control Panels which are used for serving diverse applications. Designed and engineered with higher precision these provide convenient installation due to their easy wiring. Further, we offer PLC & SCADA Control Panels for Oil& Gas, Petrochemical, water & wastewater, textile, power, paper, plastic, pharmaceutical, and various other industries.

Supervisory Control and Data Acquisition (SCADA)
Substation Automation.
Distributed Control Systems (DCS).

2. Process & Factory Automation

PEIC provides engineering design and supply of all kinds of process automation needs for various process industries; we serve all the industries in supplying simple to complicated process automation systems for their various applications. We represent world leading manufactures of process automation products which helps us to providing you the best support and competitive solutions as per your needs.



3. Supply of Automation Components

We supply automation components such as PL, HMI, RTU, wireless gateways, Modems, signal conditioners, communication modules, relay boards, relays of various brands. We represent worlds reputed automa-tion brands. We also provide wide variety of sensors and controllers from various reputed brands.

- Digital Programmable Controllers (Single Loop / Multi Loop)
- Smart Chart recorders (Single pen / Multi pen)
- Communication Controllers
- Signal Converters, Switches-Micro/ Limit / Proximity
- Flame Safeguard Programming control
- Flame Detectors, Sensors & controllers
- Fiber Photoelectric Detectors / Photoelectric controls
- Data acquisition Units / Machine Diagnostic Controller



Automation Maintenance Services

We also undertake the maintenance or shut down jobs of all kinds of automation systems, our crew is available for on call contract basis for any brand of automation systems. We provide detailed engineering, design, and consultation services for all electrical, instrumentation and automation projects.



CHEMFEED SOLUTIONS

PEIIC is a leading manufacturer of custom skid-mounted Chemical Dosing Systems for a wide variety of applications. Skid mounted systems typically include dosing pumps, mix tanks, agitators, and local control panels, complete with all piping and wiring. Applications for Chemical Dosing Systems include Boiler Chemicals, Cooling Water Chemicals, process additives and water/waste treatment areas. Proposals are based on customer supplied specifications to address the specific needs of the client. Skids are engineered, fabricated, tested, and documented to comply with applicable international industry codes and standards.

1. Dosing Systems

We offer a range of dosing systems for a wide variety of applications.

- Fully Automated Chemical Dosing System
- Semi Automated / Manual stroke Adjustment
- Pneumatic Dosing System
- Portable & Permanent Dosing Skid
- IBC / Drum Based Dosing System
- Mobile/ Containerized Dosing Skid Packages
- Solar Powered Dosing Skid

2. Dosing System Accessories & Fittings

We offer all types and various brands of dosing system accessories such as strainers, valves, calibration pots, level, pressure, flow, and temperature instruments.

3. Dosing and Feeding

We offer a wide variety of dosing pump and feed pump for water, hydrocarbon, or acid/ caustic chemical applications. We also undertake installation & commissioning activities of all kinds of dosing systems for chemical, water, petrochemical and Oil & gas industries.

- Diaphragm Metering
- Turbine & Centrifugal
- Peristaltic & Gear Pumps
- AOD Pumps & Drum pumps
- Electric Stroke
- Multi-stage / Progressive Cavity
- Magnetic Drive Centrifugal Pumps
- Mixer

4. Closed Loop Monitoring & Control

We provide complete closed loop dosing system solutions for the process industries by measuring and integrating the process variables with the dosing system, which helps to optimize the chemical usage in the process.

- Boiler Feed Water
- Cooling Tower
- Reverse Osmosis / Desalination
- Corrosion Monitoring & Control
- Scale Monitoring & Control
- pH Monitoring & Control



OPERATION & MAINTENANCE SERVICES

PEIC provides operation and maintenance (O&M) solutions for chemical, petrochemical, power, water and oil & gas sectors for electrical, instrumentation and automation systems. We provide a full range of services across the life of the power asset, from plant mobilization and commissioning to life cycle management and eventual decommissioning. Our O&M teams are supported by a large in-house team of engineers and technical specialists, all with specific expertise on each sector. Our focus is on minimizing maintenance costs and optimizing plant availability, with the emphasis on safety. We firmly believe in maintaining an absolutely safe working environment. Towards this end, our Safety Department continuously trains, motivates and audits the sites where our employees work. This is driven through well-established systems, procedures, manuals and work instructions. We also extend our support services to pre-commissioning, erection and commissioning of power plants, and shutdown services. We are capable of providing operational maintenance services for all sectors in accordance with the national and international standards. As well as providing a 24-7 emergency response for breakdowns and a regular preventative maintenance schedule, PE operates a unique predictive maintenance system. System diagnostics are run to identify areas that are at risk of failure and rectify these before a breakdown occurs.

- Reviewing plant requirements and plant familiarization
- Establishing the O&M organization structure
- Staff training and development
- Developing and installing management systems and procedures

- Participating in plant commissioning activities
- Negotiating of long-term service agreement (LTSA)
- Developing the O&M plan and budget

MECHANICAL PRODUCTS & SERVICES

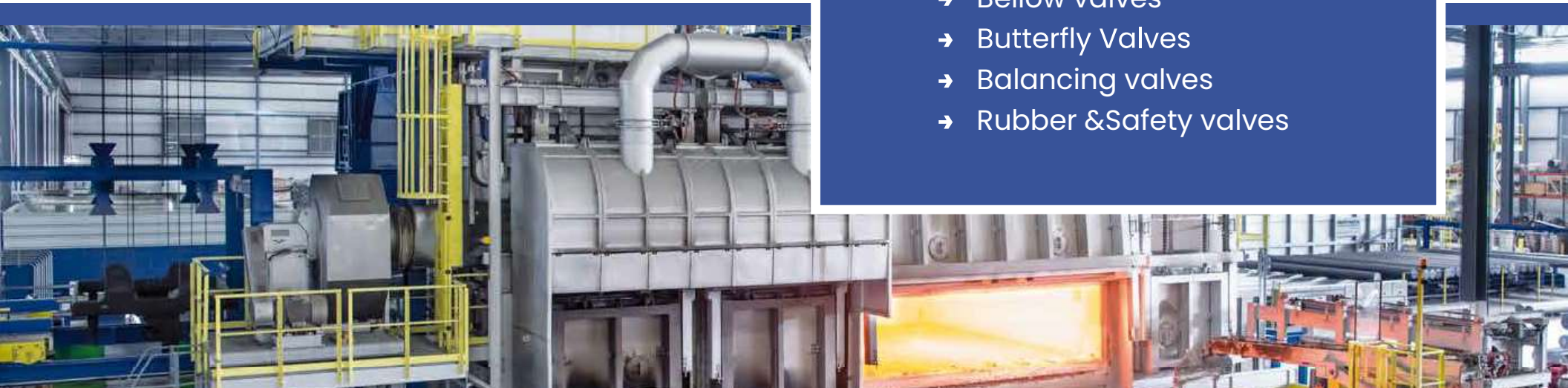
We provide cutting edge, cost saving, timely, safe, and durable solutions to technical challenges that cut across various engineering scopes. We partner with several international companies who are high rated in this industry based on the quality of services to deliver beyond client expectation. Our services include

Other Products

- Pumps & Pump Spares
- Strainers and filters
- Valves & Actuators
- Line Pipes (SC, SS, MI, PVC, HDPE, CPVC, FRP etc.)
- Heat Exchanger & Combustion System
- Flanges & Manifolds
- Well Head Equipment
- Heater & Finned Tubes
- Quick Opening Closures
- Stationary & Rotating Equipment
- Stud Bolts & Gaskets
- Expansion Joints

Valves

- Ball Valves
- Check Valves
- Gate Valves
- Needle and Double Block and Bleed Valves
- Control Valves
- Stop valves
- Bellow valves
- Butterfly Valves
- Balancing valves
- Rubber & Safety valves



PIPES FITTINGS & FLANGES

1-Pipes

• **Carbon Steel Pipe**

PEIC is a leading distributor of carbon steel pipe from the world's best manufacturers, in all major specs and material grades.

Seamless Pipe

We offer seamless carbon steel pipes from reputed manufacturers.

Specifications:

Standards / Material Grades: ASTM A/SA-106BC, A/SA-53B, API 5L B, X42, X52-X70 and additional grades upon request

Sizes: 1/4" NPS – 24" NPS

Wall thickness: All standard schedules

Manufacturers: West Europe / Japan / South Africa / China

ERW Pipe

We offer ERW (Electric Welded Resistance) pipe for almost any application.

Specifications:

Standards / Material Grades: ASTM A/SA-53A & B, API 5L B, X42, X52-X70 and additional grades upon request

Sizes: 1" NPS – 24" NPS

Wall thickness: All standard schedules and non-standard schedules

Manufacturers: West Europe / Japan / Korea / India / China

SAW Pipe

We source SAW (Submerged Arc Welded) pipe from mills around the world.

Specifications:

Standards / Material Grades: ASTM A/SA-53A & B, API 5L B, X42, X52-X80 and additional grades upon request

Sizes: 30" NPS – 60" NPS and others available upon request

Wall thickness: All standard schedules

Manufacturers: Korea / China

Pipe Coatings

We develop and maintain close relationships with coating suppliers around the world.

Types of coating: FBE, 3LPE, 3LPP and others

• **Stainless & Alloy Steel Pipe**

We are one of the leading suppliers of stainless steel and specialty alloy pipe for low and high-temperature general corrosive service

Seamless Stainless-Steel Pipe

Specifications:

Standards / Material Grades: ASTM A312, A376, A790, TP304/L, TP316/L, UNS32205

Sizes: 1/4" NPS – 12" NPS

Wall thickness: Sch-10, Sch-40S, Sch-80S, Sch-160

Manufacturers: West Europe / Japan / India / China

EFW Pipe

We supply EFW (Electro Fusion Welded) stainless steel pipe for variety of applications.

Specifications:

Standards / Material Grades: ASTM A312, TP304/L, TP316/L

Sizes: 1/2" NPS – 24" NPS

Wall thickness: Sch-10, Sch-40S, Sch-80S

Manufacturers: West Europe / Korea / India / China

2- Fittings

Carbon Steel Fittings

- We offer a full range of CS fittings for almost any application.
- Standard & High Yield Butt Weld Fittings
- Forged Steel Fittings
- Branch Connections (WOL, SOL, TOL, NOL, etc.)
- Nipples & Swages
- Bull Plugs

Specifications:

Standards / Material Grades: ASTM A/SA-106, A/SA-234 WPB, A/SA-105

Sizes: 1/4" NPS – 24" NPS (larger sizes upon request)

Schedules: #3000, #6000, #9000, STD, XS, XXS, true schedules, special walls

Manufacturers: West Europe / Korea / Thailand / India / China

Stainless & Alloy Steel Fittings

We supply wrought austenitic stainless-steel pipe fittings with butt welding connections for a wide range of applications.

WP-W (Welded)

WP-S (Seamless)

WP-WX (Welded & 100% X-Ray)

Specifications:

Standards / Material Grades: ASTM A403, A815, WP304/L, WP316/L

Sizes: 1/4" NPS – 24" NPS

Schedules: Sch-10S, Sch-40S, Sch-80S, Sch-160

Manufacturers: West Europe / Thailand / India / China

2- Flanges

Carbon Steel Flanges

We offer a full range of CS flanges (Standard, High Yield, API flanges)

Specifications:

Standards / Material Grades: A/SA-105, F52, F60, F65

Sizes: 1/4" NPS – 24" NPS (larger sizes by request)

Types: Slip-on, Blind, Threaded, Weld Neck, Socket Weld, Lap Joint

Manufacturers: West Europe / Korea / China

Stainless & Alloy Steel Flanges

Our forged austenitic stainless-steel flanges are intended for low or high temperature general corrosive service.

Specifications:

Standards / Material Grades: ASTM A182/SA182, F304/L, F316/L, F51/60 Duplex

Sizes: 1/2" NPS – 12" NPS

Types: Slip-on, Blind, Threaded, Weld Neck, Socket Weld, Lap Joint

Manufacturers: West Europe / Korea / China



4- Gaskets

Spiral Wound Gaskets

We offer SPW gaskets that provide effective sealing capabilities in a wide range of temperatures, pressures, and flow media applications.

Specifications:

Standards / Material Grades: Carbon Steel & Stainless Steel (304 & 316)

Sizes: 1/2" NPS – 24" NPS

Pressure Class: #150 to #1500

Filler Material: Flexible graphite, mica

Manufacturers: U.A.E. / China / India

5- Fasteners

We offer a variety of fasteners / stud bolts in various material grades and coatings, including black carbon steel, stainless steel, plated and PTFE-coated.

Products offered:

Specifications:

Standards / Material Grades: ASTM A193 B7/M, B8/M, ASTM A320 L7/M

Finishes: Plain, Cadmium plated, galvanized, PTFE- coated

Manufacturers: U.A.E. / China / India

- Stud Bolts
- U-Bolts
- Pipe Supports
- Hardware Fasteners

Ring Joint Gaskets

We offer metallic ring joint gaskets that are ideal for high-pressure applications; metal to metal seal, Oval & Octagonal styles.

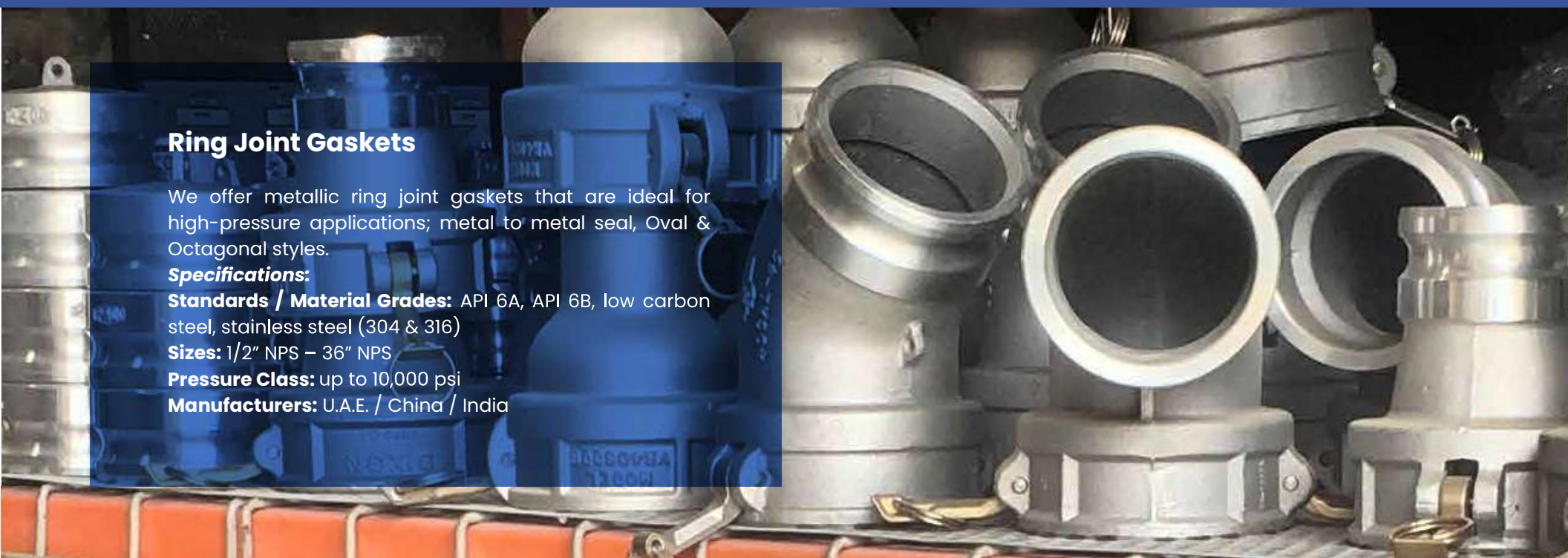
Specifications:

Standards / Material Grades: API 6A, API 6B, low carbon steel, stainless steel (304 & 316)

Sizes: 1/2" NPS – 36" NPS

Pressure Class: up to 10,000 psi

Manufacturers: U.A.E. / China / India



WASTEWATER & PROCESS WATER TREATMENTS

PEIIC enables customers to handle wastewater and process fluids more efficiently by removing the contaminations and enabling the customers to recycle and reuse the process fluids water or discharge as per the local discharge requirements. PEIIC wastewater and process fluids treatment and filtration solutions has multiple customized technologies that are of global standards. Some of them are

- Ion Exchange Resin Systems
- Phase Separators
- Centrifuge, DAF and DGF
- Stripper and Scrubbers
- Advanced Bioreactors
- Activated Carbon Media
- Sand, Clay, and Mixed Bed
- Electro Coagulators
- Advanced Nano Bubble Oxidation
- Chemical Oxidation
- UV and Ozone Systems
- UF and RO Membranes



PEIIC FILTERS & COALESCERS

Upstream industry and downstream refineries and petrochemicals have multiple interconnected processes that depend on the purity of the liquid and gas streams. PEIIC provides customized filters and coalesces that removes contaminants from fluids, keep the recirculation loop clean, increase the efficiency and optimize the process. Some of the products from PEIIC Filtration are

- Liquid Filters – Depth, Pleated and Custom Designed Filters and Bags
- Gas Phase Filters – Standard and Custom
- Coalesces – High Flow and High Capacity
- Phase Separation – Advanced Media Solutions

CHEMICAL & FLUID MANAGEMENT

PEIC chemical management solutions provide comprehensive solutions to optimize your chemicals management. PEIC chemicals is a global provider of process fluids, specialty chemicals, additives for wide range of industries including Oil & Gas upstream and downstream (refineries and petrochemicals), Power, manufacturing, and commercial water treatment industries.

Chemicals solutions include

- Liquid Chemicals
- Solids including Powder Chemicals
- Chemical Lifecycle Management
- Local Warehousing and Supplies

Some of the specific applications are

- Boiler Feedwater Treatment
- Cooling Water Treatment
- Wastewater Treatment
- Process Treatment
- RO Membrane Water Treatment
- Chemical Dosing System & Controls

PEIC has offered it's services to many industries and hopes to expand even further. Below are some examples:

- Reverse Osmosis
- Drinking Water Treatment
- Boiler Water Treatment
- Cooling Water Treatment
- Closed Cooling Treatment
- Macrofouling Treatment
- Cleaning Chemicals
- Wastewater Treatment Chemicals
- Demulsifier for Crude Unit
- Overhead Corrosion Control - Crude/Vacuum Units
- Corrosion Inhibitor for Sour Water Stripper Unit
- Anti-foulant for Crude Unit
- Aromatic Solvent (solvesso-200 Grade)
- MSF & MED Desalination



HYDROCARBON PROCESSING

PEIC offers treatments and expertise for the Hydrocarbon Processing Industry. We offer Treatments related to:

- Overhead Corrosion control
- Fouling control
- Corrosion control
- Utilities
- Finished Product Additives
- Amine Unit Treatments
- Advanced Catalyst Technologies for Hydrocarbon processing

FOOD & BEVERAGE INDUSTRY

PEIC offers chemical treatments related to:

- Pasteurisers
- Can & Bottle protection
- Chain lubrication
- HCIP treatments
- Anti-scuffing treatments

COMMERCIAL & INSTITUTIONAL INDUSTRIES

PEIC has the knowledge and expertise to handle all of water treatment needs by maximising heating and cooling efficiency and driving down fuel usage, water consumption, labour and maintenance cost.

We provide our services at Five Star Hotels, University campuses, government buildings, airports, office buildings and district heating plans. Complete treatments and services enhance cooling tower and boiler performance and protect these critical assets against corrosion, scaling and biofouling.

OTHER INDUSTRIES:

SUGAR

- Sugar Process Biocides
- Juice & Syrup clarification
- Sugar evaporator antiscalants
- Viscosity modifiers etc.
- Utilities
- Waste Water Treatments

PAPER

- Influent Water Treatment
- Process Biocides
- Utilities
- Fuel Oil Treatment
- Paper Sizing Treatments
- Bio-augmentation-Waste Water Treatments

MINING

- Influent Water Treatment
- Antiscalants & Dispersants
- Heap Leach Treatment Chemicals
- Crystal Growth Modifiers
- Defoamers
- Filter & Dewatering Aids
- Corrosion Inhibitors
- Biocides
- Boiler & Cooling Water Treatment

HVAC SERVICES (DESIGN & BUILT OF HVAC SYSTEMS)

PEIC offers a turnkey solution for the design and execution of centralized and industrial HVAC services. With fully customized HVAC solutions based on the architectural design of the buildings, our team of technicians and HVAC engineers works hard in completing assigned projects in stipulated time.

We manage installation, repair and maintenance of heating, ventilation, or cooling system for commercial and residential properties. Our Annual maintenance contracts give reliable and comprehensive support with preventive & routine maintenance in order to improve the functionality of HVAC units that will bring down your energy consumption.

Our services include

- Installation, design and execution of all kinds of HVAC system
- Design & engineering of the duct work system with duct sizing
- Equipment selection like FCU, AHU, FAHU etc.
- Car park ventilation calculation
- Fresh air calculation as per ASHRAE 62.1 standard
- Kitchen ventilation as per DW 172 standard
- Supply of ducted split unit, high wall split unit, packaged unit, fresh air handling unit with heat recovery wheel/ heat pipe, extract fans, makeup air fan, toilet extract fan etc.
- Fabrication and erection of galvanized duct work, pre insulated duct work, mild steel duct work, stainless steel duct work etc.



We Manage All Kinds Works That Includes-

Design & Engineering of the Chilled Water Piping Network with the Pipe Sizing.
Installation of Chilled Water Pipe Work with Insulation.
Flushing and Cleaning of Chilled Water Pipe Work.
Pressure Testing of Chilled Water Pipe.
Chilled Water Balancing in Pipe Network.
Boiler Design, Installation and Maintenance.

EXTRA LOW VOLTAGE SERVICES

Fire Alarm, Smoke & Gas detection Systems

Fire Alarm System & Smoke Detection systems are designed to alert fire, heat, or smoke and to alert immediately the building's occupants for evacuation. We design and install fire alarm systems as per global standards, these alarms may be activated automatically from smoke detectors, and heat detectors or may also be activated via manual fire alarm activation devices such as manual call points or pull stations.

The "Brain" of the fire detector system is the Fire Alarm Control Panel. It is the central hub for all the detector signals to be wired to and provides a status indication to the users.



High sensitive smoke detection system

HSSD is very early warning fire detection system featuring the latest in Fire Alarm Aspiration Sensing Technology. This technology uses an advanced, intelligent smoke detector that intakes air into its sensor through a pipe network. HSSD uses infra-red laser optical smoke detection with advanced algorithms to detect a wide range of fires while maintaining enhanced immunity to nuisance particulates and enabling to deliver highly accurate and discreet early warning fire detection for a wide variety of environments / applications.

Industrial gas leak detection system

Gas Leak Detection Systems have been designed with an advanced electronic technology which is user friendly and has safe operation at low cost. The range of gases that can be detected are LPG, CNG, Acetylene and other Hydrocarbons, besides Hydrogen, Ammonia, Carbon Monoxide, Carbon Di Oxide, Solvent Vapours.

Type of Fire alarm detectors

- Heat detectors
- Smoke detectors
- Carbon Monoxide detectors
- Multi-sensor detectors
- Manual Call Points

Different Type of Fire alarm systems

- Conventional Fire Alarm Systems
- Addressable Fire Alarm Systems
- Intelligent Fire Alarm Systems
- Wireless Fire Alarm Systems

INTEGRATED SECURITY & SURVEILLANCE

TM

PEIC has specialized in various security industry disciplines which enable us to offer an “end to end” solution for all our clients. In achieving these accreditations and manufacturers recognitions, we have committed our team of highly qualified engineers to specific training directly from the manufacturer, giving you the peace of mind that the design, installation, and maintenance on the systems are being conducted in line with the manufacturers guidelines and warranty schemes.

Our products portfolio includes the specialist design, installation, commissioning, project management and maintenance of the following disciplines:

- Integrated Security Systems
- Intrusion & Perimeter Detection
- Video Surveillance (CCTV)
 - Explosion Proof Industrial Standard Cameras
 - PTZ Pan Tilt & Zoom Cameras
 - Dome Cameras
 - Bullet Cameras
 - C-Mount Cameras
 - Wireless Cameras

- Access Control Systems
- Time & Attendance Management Systems
- Audio/Video Apartment System
- Automatic Barriers & Turnstiles
- X-ray Screening Machines
- Public Address Systems
- ID Card Printing
- Active RFID Asset Tracking

- Digital Signage
- IPTV Display Solutions
- FOC based Temperature Sensing Solutions
- Fiber Optic & Wireless CCTV Transmission Systems
- Video Wall Solutions

All our products & services are covered with comprehensive maintenance and support packages which can be tailored to suit your individual company requirements.



RENEWABLE ENERGY

Solar Power Plant Consultancy / Feasibility

PEIIC's solar power plant consulting division in consortium with international companies provides consulting services in setting up MW level grid connected solar photovoltaic power plants. The two main components to a proper Feasibility Study are an experienced evaluation team and a cohesive study framework. Typically our scope of services would be executed in Phases as indicated below

Techno-Economic Feasibility Study

Detailed Project Report.

Design & Procurement Support

Project Management.

Quality Control

Solar Power Plant Engineering Procurement & Construction (EPC)

PEIIC's solar power EPC Division is specialized in the setting up of solar photo-voltaic (PV) Power Plants on EPC or turnkey basis. It conceives & implements solar power projects from the initiation to installation and maintenance, using the best available components and cutting edge technical solutions by relying on highly qualified professionals.

- Site Inspection
- System Design
- Structural & Electrical Design & Engineering
- Civil Works
- Procurement & Supply
- Installation, Testing & Commissioning
- Plant Operation & Maintenance



ON SITE SOLAR

Rooftop Solar Solutions

PEIIC – India's most trusted rooftop solar developer, Converts idle space on your roofs into electricity and revenue generating 'assets' – that is our rooftop solar proposition in a nutshell.

We offer end-to-end services for solarising your facility. A site survey is conducted to analyse the feasibility of rooftop solar at your premises while simultaneously analysing your business' energy consumption and requirement.

Ground Mounted Solar Solutions In India

on-site solutions include Ground Mount solar systems, which can be installed in the land inside or adjoining your business unit.

Our customised, turnkey solutions have helped many clients rely on Ground Mount solar systems to reduce their electricity bills and lower their Carbon footprint

Solar Carport

Solar Carport is the ideal way for you to monetise that empty space. Solar panels are erected on raised structures to serve a dual purpose – generate electricity that can be used by your business and offer shade or a 'roof' for the parked vehicles.

Off-Site Solar (Open Access) Solutions

Many industries today aim to lower their carbon footprint and make strides towards procuring 100% renewable energy for their operations.

Off-site solutions help them achieve these sustainability goals, while ensuring guaranteed savings for every unit of solar power purchased.

Off-site solar via the Open Access network uses grid infrastructure to transmit solar power generated at a different location to industries that have bulk energy requirements, but no idle roof or ground space for a solar plant within their premises.

- Zero Upfront investment Better bottom-line for YOUR BUSINESS.
- Guaranteed cost-savings per-unit electricity.
- Risk-free, hassle-free option to meet.
- Favourable policy regimes across states.

Solar O&M Services

Our strategic & tactical O&M services rightly cover monitoring, testing, cleaning, preventive maintenance, corrective repairs, and engaging our dust-detection systems to deliver optimal plant performance.

SCOPE OF SERVICES

- Preventive & Scheduled Maintenance
- Predictive Maintenance & CMS
- Monitoring, Forecasting & Reporting
- HV & LV Maintenance
- Tracking & Seasonal titling
- Corrective & Breakdown Maintenance
- Spares & Warranty Management
- Thermography drone, IV, EL Testing
- Plant Health Check
- Module Cleaning & Vegetation Abatement
- Security & Surveillance
- Going the extra mile for O&M service Excellence

PEIC performs all type of examinations and repairs supporting metal structures (fix-tilt and trackers). Our team ensures to eliminate the consequences of accidents or identify defects in operating any equipment of the solar power plants.

As per the client's request or requirement on O&M service in India or overseas, we tend to modernize the existing system systems and expand the functionality.

OFF Grid Solutions & Products:

PEIC's off grid solution offers some of the below products and applications.

- Solar street light system
- Solar water heaters
- Solar water pumps
- Solar out door lighting systems
- Solar Air Conditioning Systems
- Containerized solar systems for the industrial plants
- Solar Inverters & accessories





MARINE PRODUCTS

PEIIC, AN ISO 9001: 2015 CERTIFIED COMPANY, is one of the leading and highly reputed Ship Chandlers, Marine Contractors and Stockist in all kinds of Marine Equipment & Spares with Head Office based in Trivandrum, INDIA and having its branches in Kochi & Chennai. We are experts in Off-Shore/On-Shore Ship's Supply and Marine Contracts and we are specialized in supply of all stores with best quality and international standards to the maritime transportation industry. We also deal in second hand equipment. We source our products nationality and internationally.

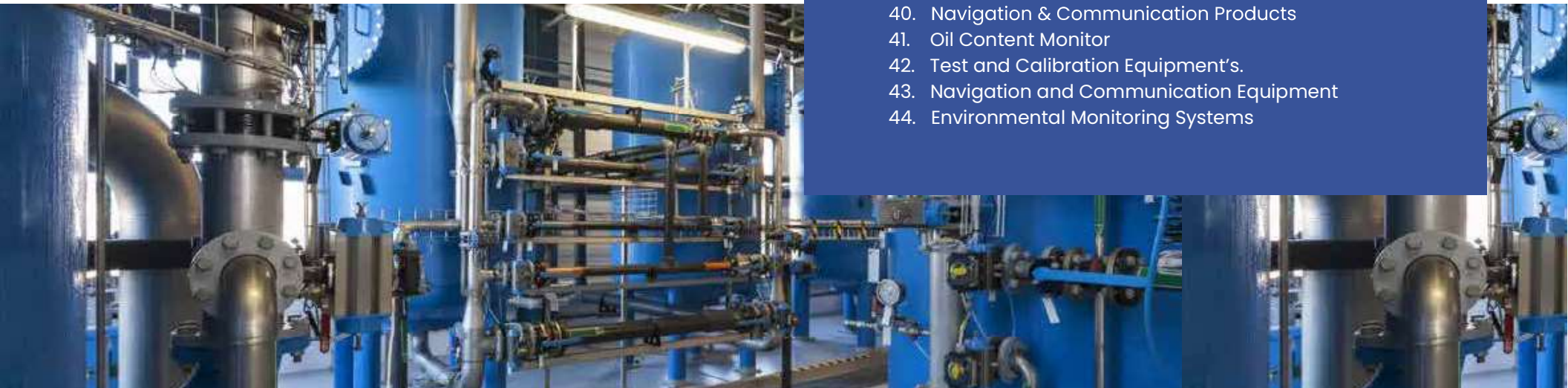
The company has a professional & skillful work force for tailor made services for any needs of our principles. We are equipped to serve all kinds of sea faring vessels calling all major ports in INDIA. The company's principal activities are to deliver goods and services to the customers in the maritime industrial sector. Our customers are Ship Owners and Management Companies. We cater to Cruise Liners, Shipyards, Marine Catering and Contracting Companies. We firmly believe that ship-stores must be a trusted partnership between us and our customers. With an invaluable wealth of ships-stores experience and knowledge, the company always aims to achieve the highest standard in service to all our customers. We understand that no matter how small or large the customer's requirement, the same care and professionalism is taken each and every time as we know the importance of delivering a first class ship-supply service. That is our business, that is what we understand, and that is why we are one of the leading independent ship supplier.

Our company's ultimate motto is to establish long term business relationships with all our clients, providing an uninterrupted service throughout, "ON TIME EVERY TIME" With our extremely proficient team of professionals, we ensure to provide you with an incomparable and timely service to all our clients. We are Ship Spare Parts Supplier in India delighted to serve you for all your needs and personalized requirements by assuring a prompt, polished and cost effective service. We being one of the Best Marine spare parts Suppliers are actively working towards satisfying all our customers with an ideal service. We have always been careful to achieve customer's complete satisfaction, hence today we are amongst the most experienced & desired service providers. Feel free to contact us anytime for any requirements.

Marine Products/ Instrumentation

1. High & Overfill Alarm System
2. Cargo Tank Level Measurement
3. Pressure & Temperature Pump Control
4. Inert Gas Pressure System
5. Service Tank Level Measurement
6. Ballast Level Measurement
7. Cargo Tank Specific Gravity - Density Measurement
8. Cargo Tank Multipoint Temperature Monitoring
9. Vapor Line, Cargo Line Manifold & Pumps Pressure Measurement
10. Gas Monitoring System
11. Oil Mist Detection System
12. Level Switches
13. Differential Pressure Transmitter
14. Mud Density Meter
15. Pressure & Temperature Transmitters
16. High Pressure Transmitter
17. MONITORING SYSTEMS
 - HMI Human Machine Interface
 - TLM Tank Level Monitor

18. LEVEL SWITCHES (Float/Ultrasonic)
19. LEVEL SWITCH (Float/Radar/Guage/Sonar)
20. Online water determination transmitter
21. Density transmitters
22. LEVEL, PRESSURE & TEMPERATURE MONITORING SYSTEM
23. HIGH AND OVERFILL ALARM SYSTEM
24. BUBBLING SYSTEM FOR LEVEL MEASUREMENT
25. Electronic pulp consistency transmitters
26. Tank gauges.
27. Digital Pressure Guages
28. Electronic Pressure Switch
29. Submersible probes
30. Screw in Transmitter
31. stainless steel sensor
32. ceramic Sensors
33. Interface Level Measurement
34. Fire and Gas Systems
35. Gas Detection Instruments
36. Chemical and Radiation Detection Monitors
37. Fully Integrated Automation Systems
38. Respiratory Protection equipments-SCBA
39. Warning Lights & Siren
40. Navigation & Communication Products
41. Oil Content Monitor
42. Test and Calibration Equipment's.
43. Navigation and Communication Equipment
44. Environmental Monitoring Systems



Mechanical

1. Control Valves
2. Stop valves
3. Bellow valves
4. Butterfly Valves
5. Balancing valves
6. Rubber
7. Safety valves
8. Liquid level
9. Strainers
10. Expansion joints
11. Gate valves
12. Level gauges
13. Trunnion Ball Valves
14. Floating Ball Valves
15. Needle Valves
16. Chemical Injection quill
17. Surface Valves
18. Surface Ball Valves
19. Surface Check Valves
20. Surface Gate Valves
21. Surface Tree and Wellhead

22. Subsea Valves
23. Subsea Ball Valves
24. Subsea Check Valves
25. Subsea Gate Valves
26. Subsea Needle and Double Block and Bleed Valves
27. Subsea Rotary Disc Valves
28. Onshore Valves
29. Onshore Ball Valves
30. Onshore Check Valves
31. Onshore Gate Valves
32. Onshore Globe Valves
33. Knife gate valve
34. Gate valve
35. Ball valve
36. Check valve
37. Globe valve
38. Plug Valve
39. Forged steel valve
40. Pressure seal valve
41. Bellows seal valve

Mechanical fittings

1. Tube Fittings
2. Tubing
3. Manifolds
4. Filters
5. Sampling System
6. Subsea Valves
7. Hoses & Connectors
8. Carbon Steel Pipes
9. Seamless Pipe
10. ERW Pipe
11. SAW Pipe
12. Pipe Coatings
13. Stainless & Alloy Steel Pipe
14. Seamless Stainless-Steel Pipe
15. EFW Pipe
16. Carbon Steel Fittings
17. Stainless & Alloy Steel Fittings
18. Stainless Steel Pressure Fittings
19. Carbon Steel Flanges
20. Stainless & Alloy Steel Flanges

Pumps

1. Diaphragm pumps
2. HELIOS
3. Peristaltic Pump
4. COMPASS
5. Magnetic Drive Centrifugal Pumps
6. MIXER
7. NEPTUNE
8. Drum pumps
9. Electro mechanic dosing pump



Deck Products

- Personnel protective equipment
- Hoses, couplings, valves
- Pipes, elbows, tees, flanges, etc.
- Charts, publications, and signages
- Oil spill emergency equipment
- Nautical and GMDSS equipment
- Hatch sealing tapes
- Radio room consumables
- High pressure deck cleaning equipment
- ISPS stores
- Anti-Piracy Equipments

Safety Products

- Liferafts, lifejackets, and lifebuoys
- Breathing sets
- Fire and immersion suits
- Marine distress signals, pyrotechnics
- Transfer and descent equipment
- Gas detectors and spares
- Fire extinguishers
- Foam compound
- Navigational lights and shapes
- Survival craft accessories

Emergency & medical equipment

- Complete medical kits
- Complete WHO Ship medical kits
- Medical gases
- Pharmaceuticals
- Emergency medical equipment



Hardware & tools

- Pneumatic and electrical tools
- Hand tools
- Cutting tools
- Measuring tools
- Bolts and nuts
- Welding equipments
- Non sparking tools
- Barbed wire

Ropes & lifting tackles

- Manila and nylon ropes
- Mooring ropes and tails
- Galvanized steel wire ropes
- Links, turnbuckles and shackles
- Hooks, chains, rods
- Lifting slings and nets
- Gangway nets
- Fairlead mandal shackle

Marine paints & accessories

- Epoxy and modified epoxy
- Polyurethane and thinners
- Alkyd and modified alkyd
- Heat resistance coats
- Anti skid, finish, speciality coats
- Underwater, anti fouling coats
- Airless spray machine and spares
- Roller and flat brushes

Electrical stores

- Bulbs and lamps
- Navigation and search lights
- Cables, switches, and boards
- Plugs, sockets, alarm and horns
- Electrical contactor and contacts
- Lead acid batteries and chargers
- Explosion and waterproof fittings
- Refrigerator, washer, grinder, etc.

Charts & publication

- BA charts
- Indian charts
- JP charts
- Routing charts sailing directions
- List of light & fog signal
- List of radio signals
- Tidal publications
- Tidal stream atlas
- IMO
- TSO
- ITU
- ICS
- ISF
- ILO
- Nautical institute
- UK P&I club
- Gard
- Who
- BS & Ferguson
- USA & other publications & log books
- Marine poster
- Imo symbols & signs

Purifiers and PHE's

- Alfa Laval
- Mitsubishi
- Westfalia
- Alfa Laval
- Sondex
- GEA Ecoflex
- APV

Engine spare parts

- Auxiliary Engines
- Crankshafts
- Engine frame & Bedplates
- Cylinder Covers
- Piston Rods
- Connecting Rods
- Pistons
- Liners
- Fuel Pumps
- Camshafts
- Valve spindles & Seats
- Various other parts



Marine Refrigeration

- Accel
- Alfa Laval
- Bock
- Bitzer
- Carrier
- Carlyle
- Copeland
- Daikin
- Danfoss
- Emerson
- Grasso
- Hi-Air
- Mitsubishi
- Mycom
- Namirei
- Sabroe
- Stal
- Voltas
- York

Marine Air Compressors

- Atals Copco
- Bauer
- Donghwa
- Hamworthy
- Hatlapa
- Ingersoll Rand
- Sperre
- Tanabe
- Yanmar
- Control
- Re-conditioned Compressors

Annual Inspection

- Lifeboats, Rescue boats & Launching Appliances
- Servicing, Refilling & Hydro Testing of Fire extinguishers, SCBA and EEBD
- Calibration of Barometer
- Magnetic Compass Deviation Card
- Inspection of Fixed Co2 System
- Water Mist System
- Foam Systems
- DCP Systems
- Chemical Suits
- Immersion suits
- Lifebuoys
- Lifejackets
- Fire Hoses
- Bunker Hose
- Portable Gas Detectors
- Pressure gauges
- UTI tapes

- Pressure Calibrators
- Temperature calibrators
- Mid Ship hose handling crane
- Provision Crane
- Engine Room Crane
- Pilot ladders and HRU's for Liferrafts and Epirbs.

Services provided in Turnkey

- P&I surveys in insurance coverage
- Hull & machinery surveys in insurance coverage
- Yacht surveys
- Lashing survey
- Ship purchase & sales consulting services
- Special / project cargoes
- Ship's condition & loss prevention surveys
- Pre-loading and hatch cover survey
- Pre-purchasing & pre-hiring surveys

- On-hire & off-hire surveys
- Bunker survey
- Ship & shore installation damage survey
- Cargo damage surveys
- Draft surveys
- Tally surveys
- Cargo discharge surveys
- Cargo shortage investigation survey
- Hatch sealing & unsealing survey
- Liquid cargo contamination
- Sampling
- Sea pollution survey
- Steel scrap surveys
- Container damage & condition surveys
- The imperviousness tests of ship hatch
- Mines & minerals
- Flag & class





Global Presence



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