



Our products

- Power Generation
Distribution & Transmission

HITECH GENERAL TRADING LLC COMPANY PROFILE



BOOK NOW



+971 549973191 +971 547700750



www.hitechgr.com



HITECH GENERAL TRADING LLC

We have provided power equipment to various sectors, including oil and gas, chemical and petrochemical projects, as well as mining and mineral processing industries, among others.

Dubai,UAE

Baghdad,Iraq

+971 549973191 +971 547700750

www.hitechgtr.com

procurement@hitechgtr.com sales@hitechgtr.com

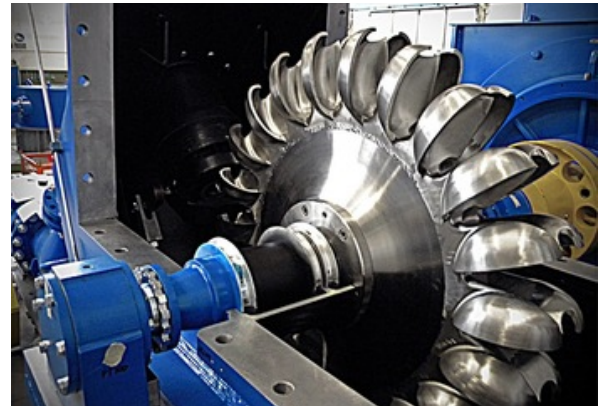


POWER GENERATION EQUIPMENT

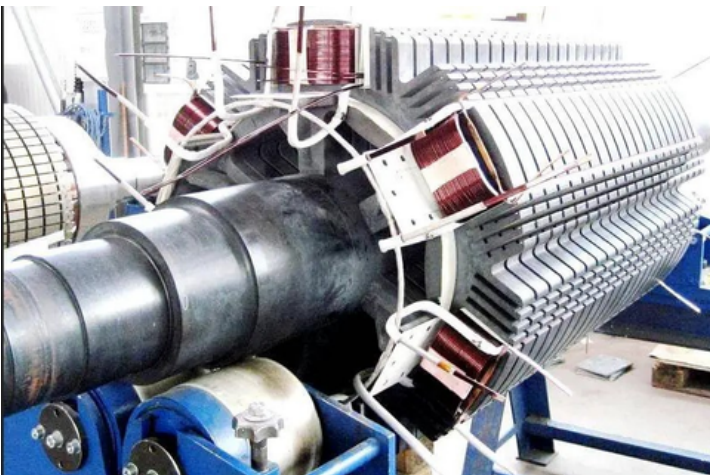
Hitech General Trading is a leading provider of specialized equipment designed for power generation, as well as for the transmission and distribution of electrical energy. The company caters to a diverse range of clients, including power generation facilities located across the globe. By offering a comprehensive selection of high-quality products and solutions, Hitech General Trading plays a crucial role in enhancing the efficiency and reliability of power systems. Their offerings not only support the generation of electricity but also ensure that it is effectively transmitted and distributed to end-users, thereby contributing to the overall stability and sustainability of energy infrastructure worldwide. With a commitment to innovation and excellence, Hitech General Trading is dedicated to meeting the evolving needs of the energy sector and helping to power a brighter future for communities around the world.



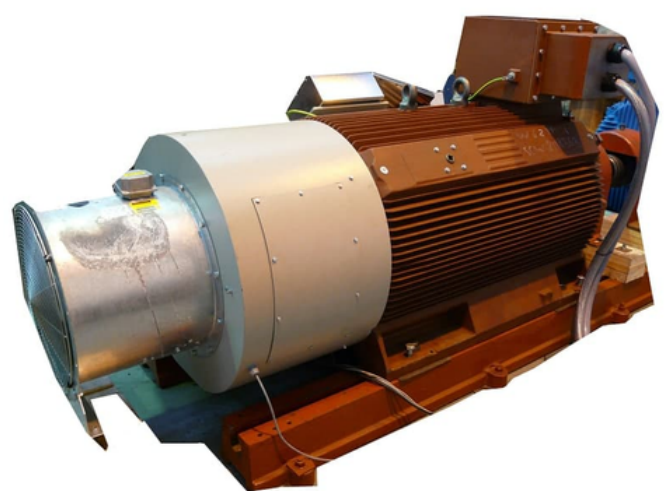
Steam Turbine



Hydro Electric Turbine



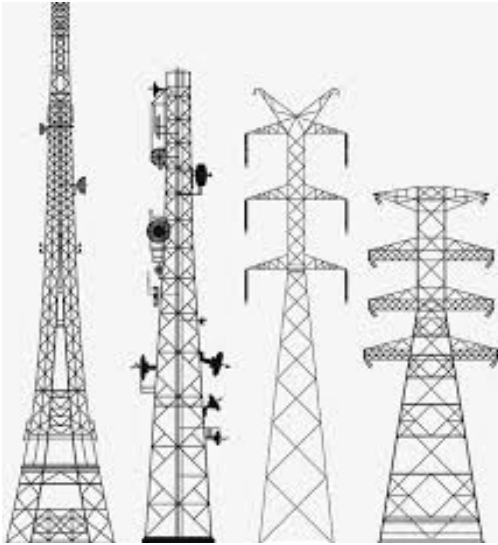
Synchronous Generator



Induction Generator

TRANSMISSION LINES

Hitech General Trading offers a wide array of power transmission equipment and related products. The company focuses on delivering extensive infrastructure solutions that are essential for this critical function. Power lines are integral to the electrical grid, facilitating the transfer of electrical energy from generation sites, like power plants, to consumers, which include residential, commercial, and industrial sectors. This operation relies on a sophisticated network of transmission and distribution systems that guarantee efficient and reliable electricity delivery



Overhead Transmission Line



Distribution Line

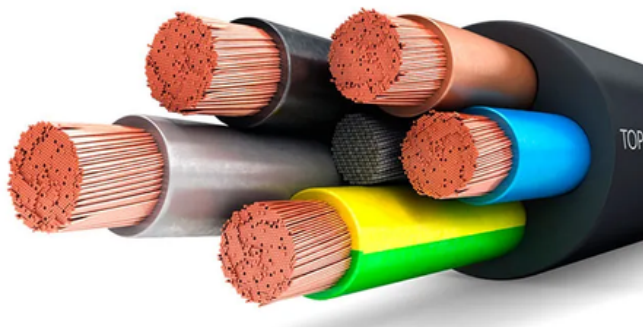


**Low Voltage /High Voltage
Transmission Pole**



Transmission Tower

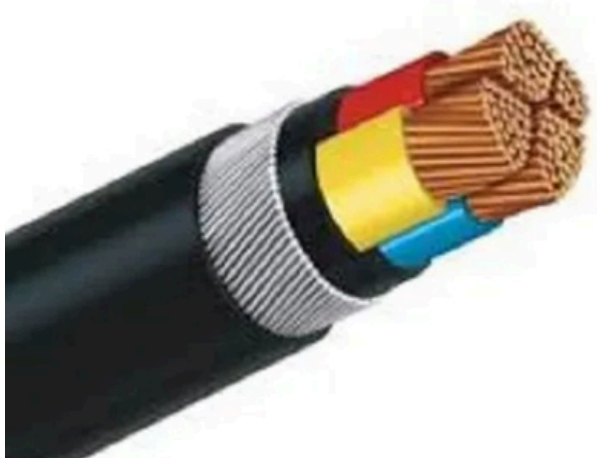
POWER CABLES & ACCESSORIES



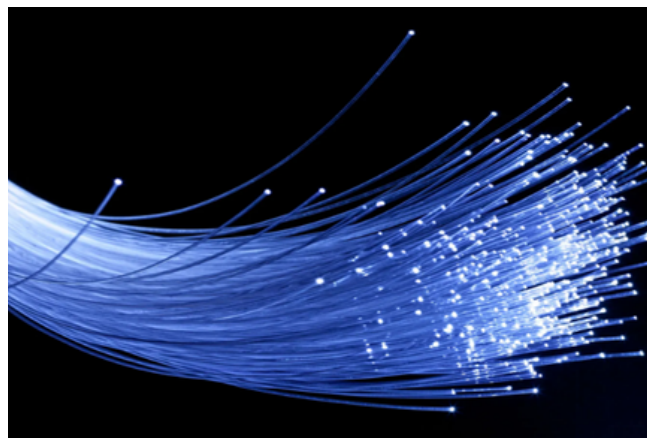
Power Cables



Shielded Cables



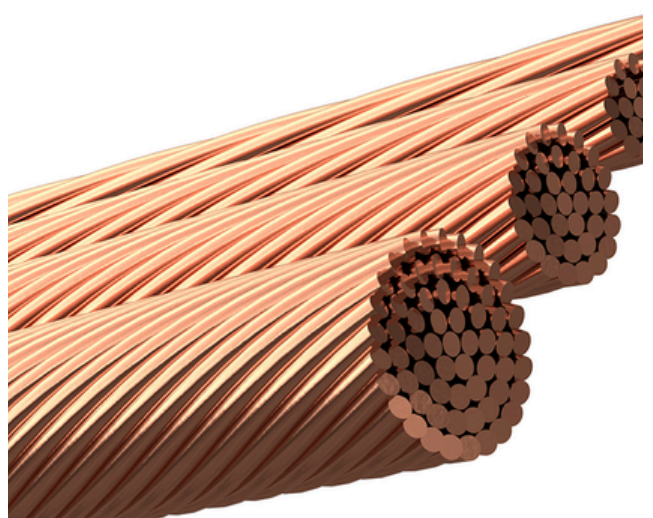
Armoured Cable



Optical Cable



**Aluminium Bare Wire
Conductors**



**Hard Drawn Copper
Wire**

GENERATOR



Gasoline Generator



Diesel Generator



Solar Generator

TRANSFORMER



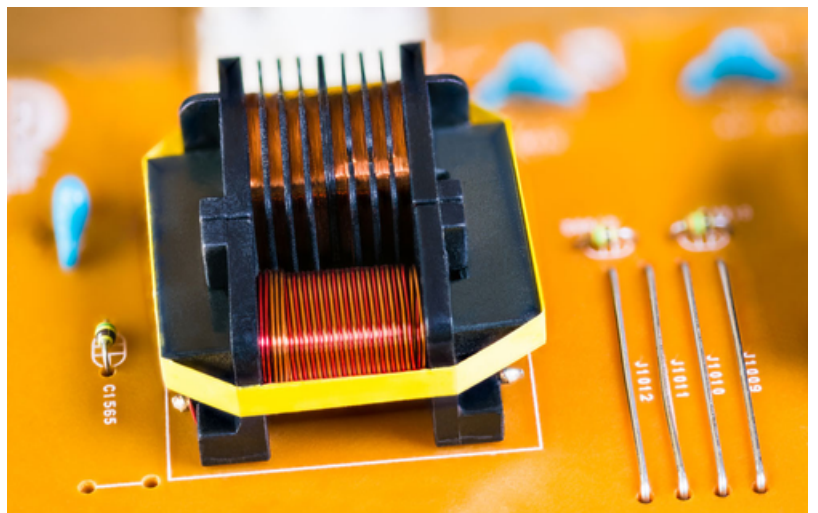
Transmission Transformer



Distribution Transformer



Service Transformer



Circuit Transformer

LUBRICANTS

Hitech Supply offers lubricants designed to minimize friction between moving metal components while also acting as coolants, preventing corrosion, and keeping contaminants at bay. Effective lubricants should resist separation, maintain stability, and retain their properties within the specified temperature range for optimal performance.

There are three major types of lubricants: oils (fluid lubricants), greases (soft substances), and solid lubricants that we can supply, and they include the following:

- Oil
- Synthetic Oils
- Grease
- Synthetic Lubricants
- Solid Lubricants
- Silicones



POWER PLANT MACHINES



Steam Generator



Heat Exchanger



Heat Exchanger for Cooling tower



Condenser

SOLAR POWER PLANT



Solar Panel



Solar Module



Solar Array



Photo Voltaic Storage



Solar DC/AC Converter



Solar Module Mounting System

WIND ENERGY POWER PLANT



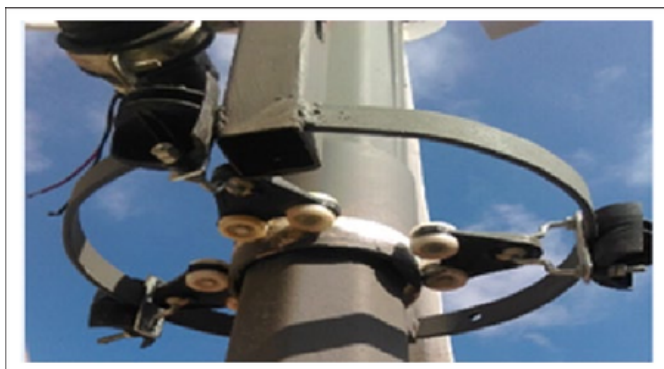
Wind Turbine



**Vertical Axis
Wind Turbine**



Wind turbine hub



Yaw Mechanism



Gear Box



Generator



Controller

HYDRO KINETIC POWER PLANT

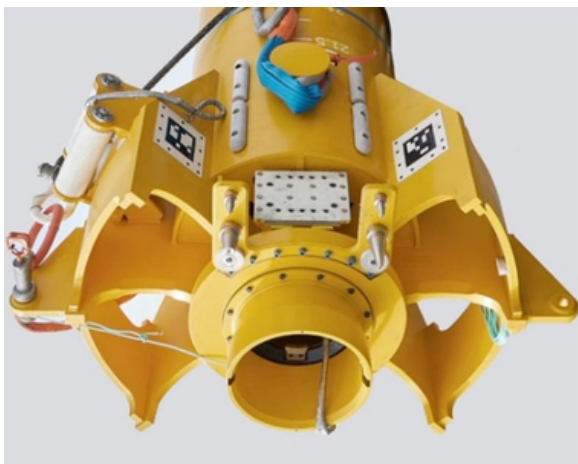


Axial Flow Turbine

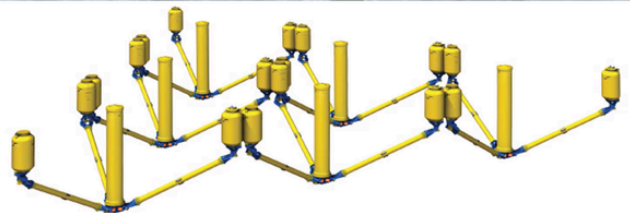


Cross flow Turbine

WAVE ENERGY SYSTEM



Buoyant Moored system



Float



Point Absorbers

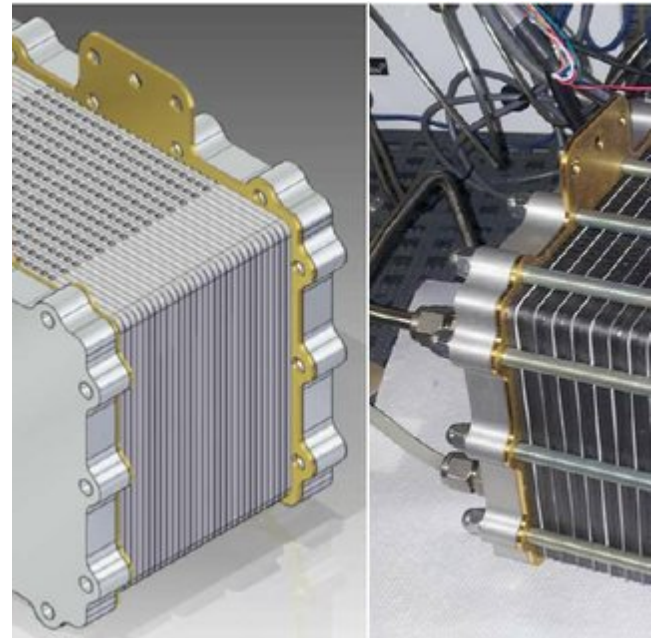
FUEL CELL

Fuel cells are set to lead power generation in transportation, residential, and utility sectors. In automotive applications, they offer advantages over internal combustion engines by eliminating complex cooling and lubrication systems, resulting in smaller, lighter, more efficient, quieter, and cheaper vehicles to maintain.

Fuel cells also provide reliable backup power or standalone energy solutions for critical facilities like hospitals, satellites, and military bases, ensuring uninterrupted power in sensitive environments.



Polymer Electrolyte Membrane Fuel Cell



Direct Methanol Fuel Cell



Phosphoric Acid Fuel Cell

POWER ELECTRONICS DEVICES

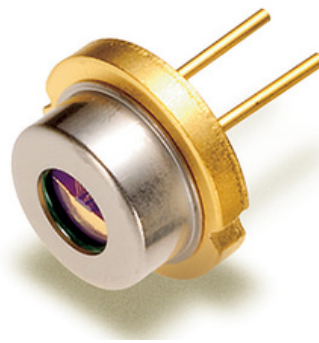
Hitech specializes in providing a wide range of power electronic devices that are essential for the efficient operation and management of electrical power grids. Their product offerings include various types of diodes, which are semiconductor devices that allow current to flow in one direction while blocking it in the opposite direction. This functionality is crucial for rectification processes and voltage regulation within power systems.

In addition to diodes, Hitech also supplies transistors, which are versatile components used for switching and amplifying electronic signals. Transistors play a vital role in controlling power flow and enabling the integration of renewable energy sources into the grid, as they can efficiently manage the conversion of direct current (DC) to alternating current (AC) and vice versa.

DIODE



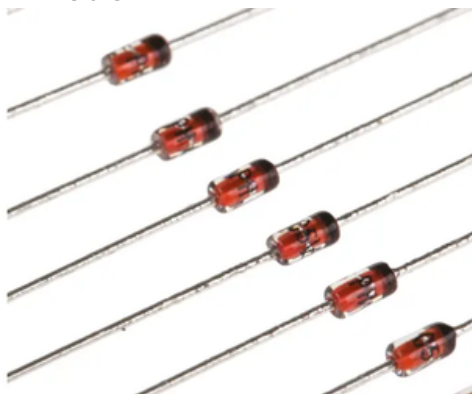
Light Emitting
Diode



LASER Diode



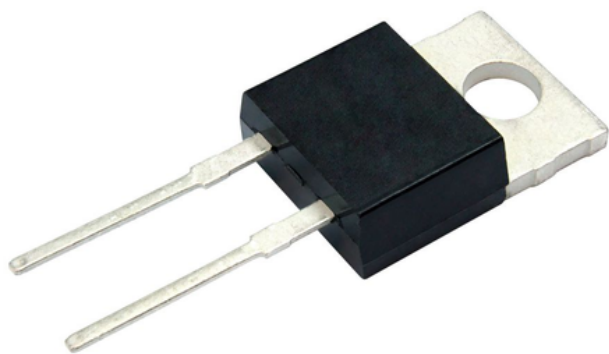
Avalanche
Diode



Zener Diode



P-N Junction Diode



Schottky Diode

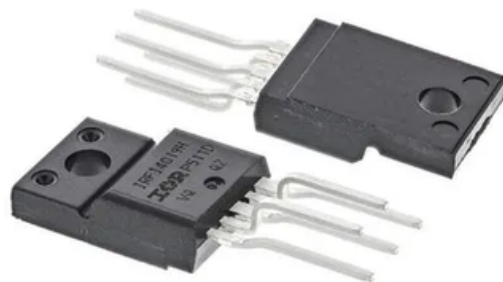


Photo Diode

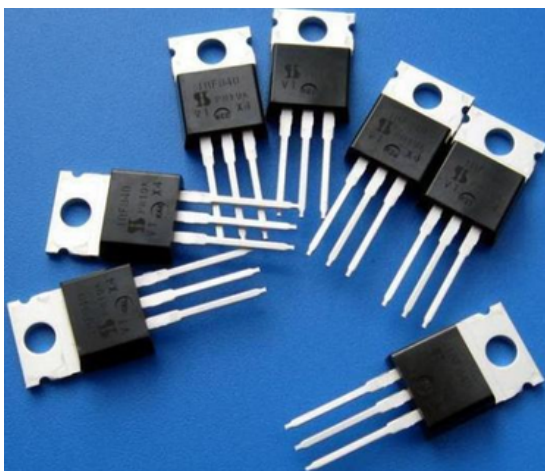
TRANSISTOR



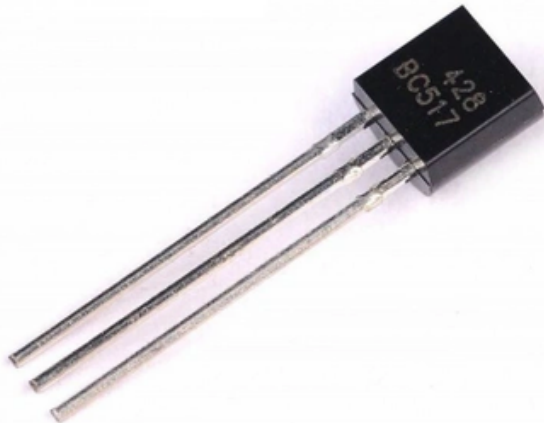
Bipolar Junction Transistor



Avalanche Transistor



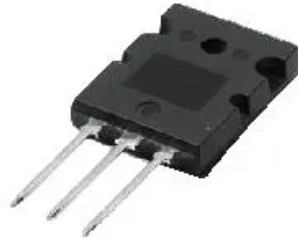
Field Effect Transistor



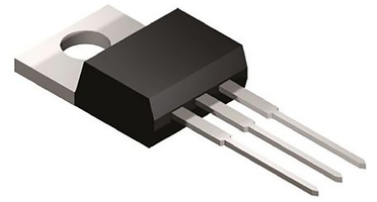
Darlington Transistor



Small Signal Transistor



JFET Transistor



MOSFET

THYRISTOR



Silicon Controlled Thyristor



GTO Thyristor



IGCT



MOS Controlled Thyristor



**Bidirectional phase controlled thyristors
or BCTs**



**Reverse conducting thyristors
or RCTs**



Fast-switching thyristors or SCRs

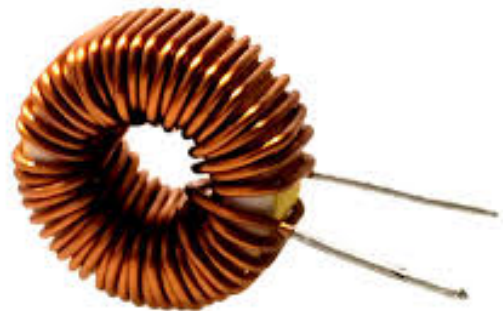


**Bidirectional Triode Thyristors or
TRIACs**

INDUCTOR



Air Core Inductor



Radio Frequency Inductor



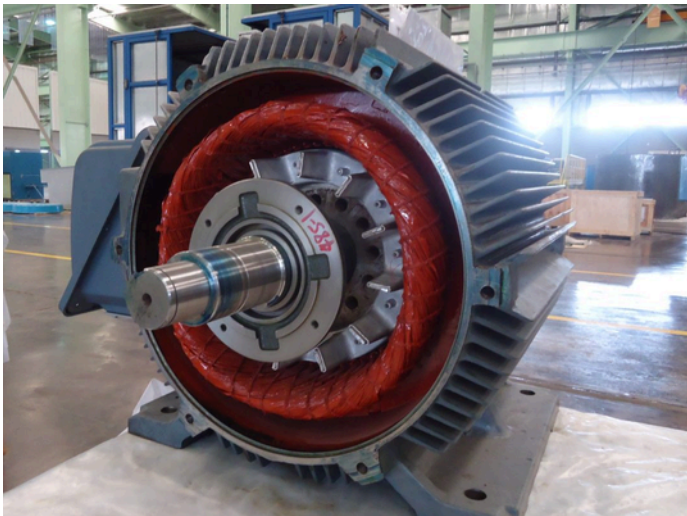
Ferromagnetic Inductor



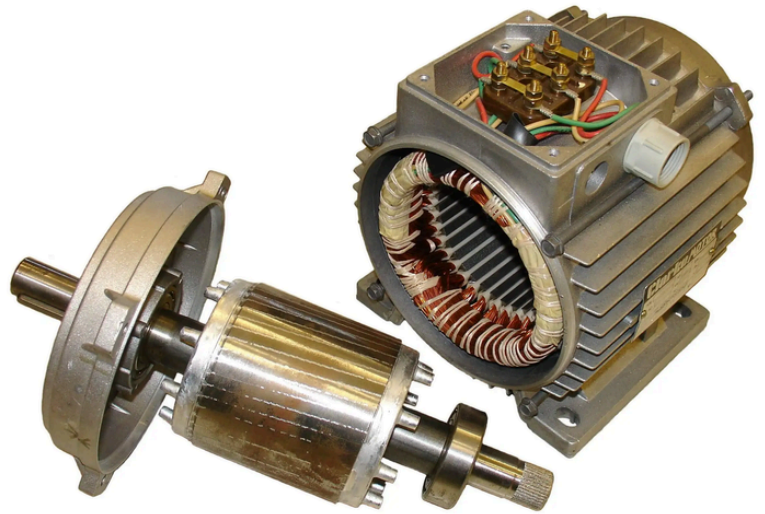
Laminated Core Inductor

ELECTRIC MOTORS

We offer a variety of electrical motors, including rotating magnetic field motors that use multiphase alternating current to create a rotating magnetic field. We also provide popular rotating induction motors known for their robustness, reliability, low maintenance, and cost-effectiveness, which account for over 90% of electric motor energy use. These induction motors consist of a stator and rotor.



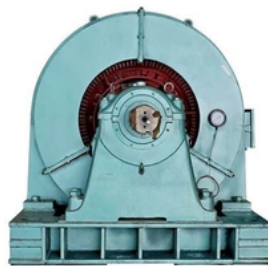
Rotating Magnetic Field Motor



Rotating Induction Motor



Linear Induction Motor



Synchronous Motor



DC Motor



Stepper Motor

CAPACITORS



Ceramic Capacitor



Film Capacitor



Power Film Capacitor



Electrolytic Capacitors



Super Capacitor



Variable Capacitor

RESISTORS



Chasis Mount Resistor



Potentiometer



Rotary Encoder

VALVES



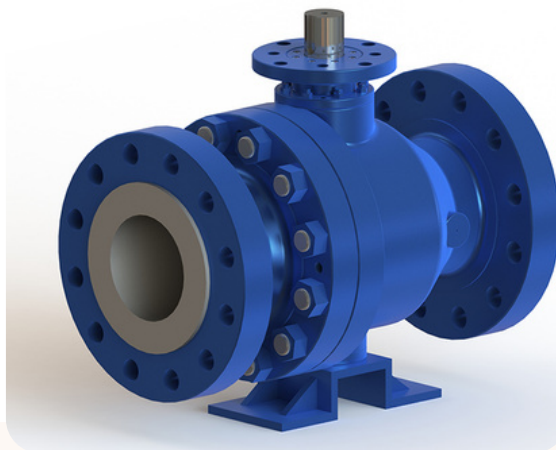
Knife Gate Valve



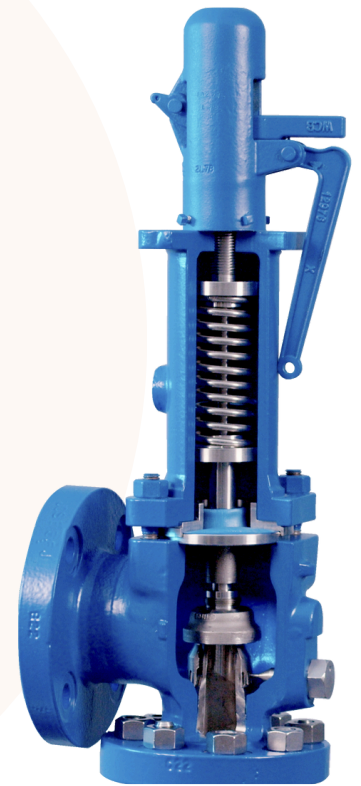
Water/Oil Control Valve



Gate valve



Ball Valve



Pressure relief valve



Globe Valve



Lug check valve



Butterfly valve

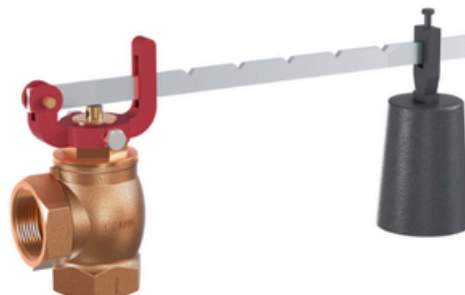
Safety Valves



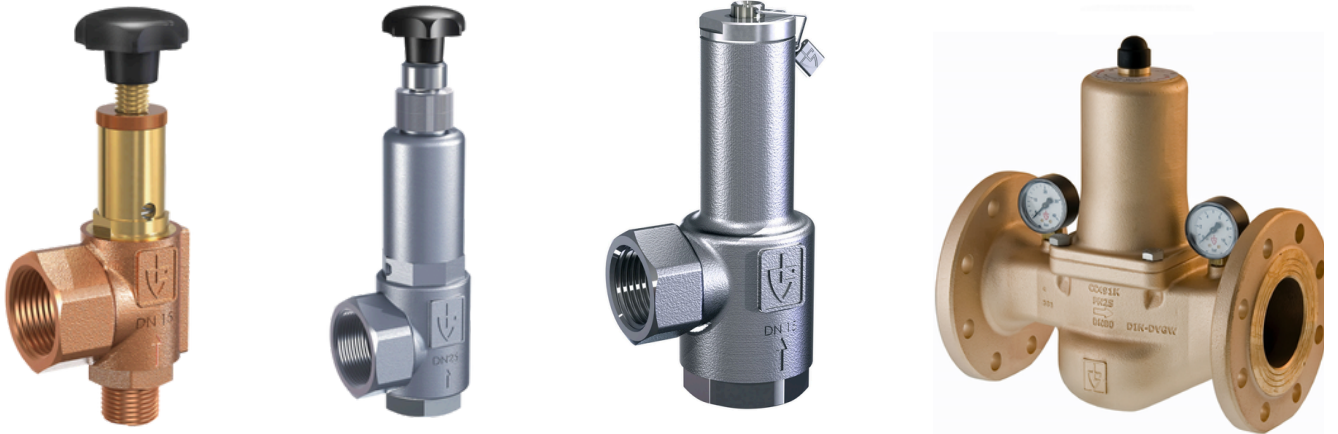
Atmospheric Discharge Safety Valves



Pressure Relief Valves



Overflow & Pressure Control Valves



Pressure Reducing Valves



Vacuum & Air Valves



Vent Valves

FLOWLINE EQUIPMENT



Swivel joints



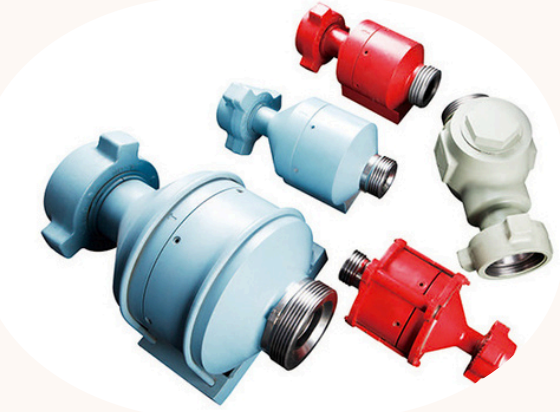
Plug valves



Integral Pup joints



Pressure Relief Valves



Check Valves



Choke Valves



Integral fittings



Reel swivels



Hose Loops

Consultancy & Training for Generation, Production & Distribution of Electrical Energy

Hitech offers a comprehensive range of specialized consulting services specifically designed for power generation facilities. In addition to training personnel, our team of seasoned professionals have extensive knowledge and experience in the energy sector, enabling us to provide customized solutions that meet the unique needs of each client. We work closely with power generation facilities to identify areas for improvement, streamline operations, and implement best practices that enhance overall efficiency. Ultimately, Hitech's consulting services are designed to provide power generation facilities with the expertise and support they need to succeed in a competitive environment. By partnering with us, clients can expect not only improved efficiency and productivity but also a commitment to safety, reliability, and environmental responsibility. Together, we can navigate the complexities of the energy sector and pave the way for a more sustainable and efficient future. Knowing that we have the expertise to provide consulting for the manufacture of vanadium inhibitors used in thermal power plants.



WE ARE ISO CERTIFIED

Certificate of Registration 

This is to certify that the Environmental Management System of

HITECH GENERAL TRADING LLC
 Site-1: Office#1, Al Qusais Industrial Area 4, Dubai, UAE
 Site-2: Al Sadoon -Al Karada, Baghdad, Iraq

is in accordance with the requirements of the following standard

ISO 14001:2015
 (Environmental Management System)

SCOPE
 Pumps, Engines, Valves & Spare Parts Trading
 Oilfield & Natural Gas Equipment & Spare Parts Trading
 Inspection & Testing Equipment Trading
 Blast Furnaces & Smelters Trading
 Well Drilling Equipment Trading
 Chemical Material Trading
 General Trading

Certificate Number : xxxxxxxxxx
 (IAF Code: 29)

Initial Registration Date : xx-xxxx-xxxx
 1st Surveillance Date : xx-xxxx-xxxx
 2nd Surveillance Date : xx-xxxx-xxxx
 Certificate Expiry Date : xx-xxxx-xxxx

To verify certificate, visit at :
www.arscert.com
www.uafaccreditation.org
www.lafcertsearch.org

Issued by ARS Assessment Private Limited

Managing Director 

UAF Address : 400, North Center Dr. STE 202, Norfolk, VA 23502, United States of America

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate. Validity of the certificate is subject to successful completion of surveillance audits. Further verification required by the holder of this certificate and the applicability of standard may be obtained by consulting the Organization or info@arscert.com

ISO 14001:2015

Certificate of Registration 

This is to certify that the Quality Management System of

HITECH GENERAL TRADING LLC
 Site-1: Office#1, Al Qusais Industrial Area 4, Dubai, UAE
 Site-2: Al Sadoon -Al Karada, Baghdad, Iraq

is in accordance with the requirements of the following standard

ISO 9001:2015
 (Quality Management System)

SCOPE
 Pumps, Engines, Valves & Spare Parts Trading
 Oilfield & Natural Gas Equipment & Spare Parts Trading
 Inspection & Testing Equipment Trading
 Blast Furnaces & Smelters Trading
 Well Drilling Equipment Trading
 Chemical Material Trading
 General Trading

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ISO 9001:2015

Certificate of Registration 

This is to certify that the Occupational Health and Safety Management System of

HITECH GENERAL TRADING LLC
 Site-1: Office#1, Al Qusais Industrial Area 4, Dubai, UAE
 Site-2: Al Sadoon -Al Karada, Baghdad, Iraq

is in accordance with the requirements of the following standard

ISO 45001:2018
 (Occupational Health and Safety Management System)

SCOPE
 Pumps, Engines, Valves & Spare Parts Trading
 Oilfield & Natural Gas Equipment & Spare Parts Trading
 Inspection & Testing Equipment Trading
 Blast Furnaces & Smelters Trading
 Well Drilling Equipment Trading
 Chemical Material Trading
 General Trading

Certificate Number : xxxxxxxxxx
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ISO 45001:2018



LOCATIONS - DUBAI,IRAQ



OUR CLIENTS





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