



# Our products

- Power Generation  
Distribution & Transmission

# HITECH GENERAL TRADING LLC COMPANY PROFILE



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[www.hitechgr.com](http://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

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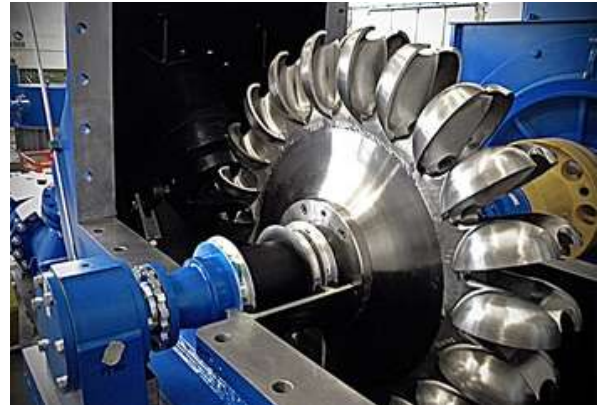


## POWER GENERATION EQUIPMENT

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**



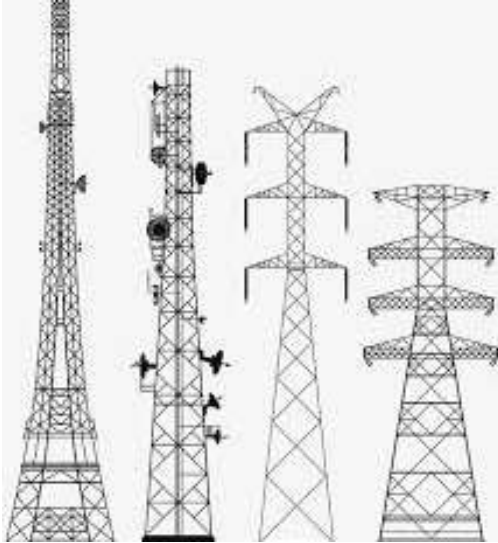
**Synchronous Generator**



**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



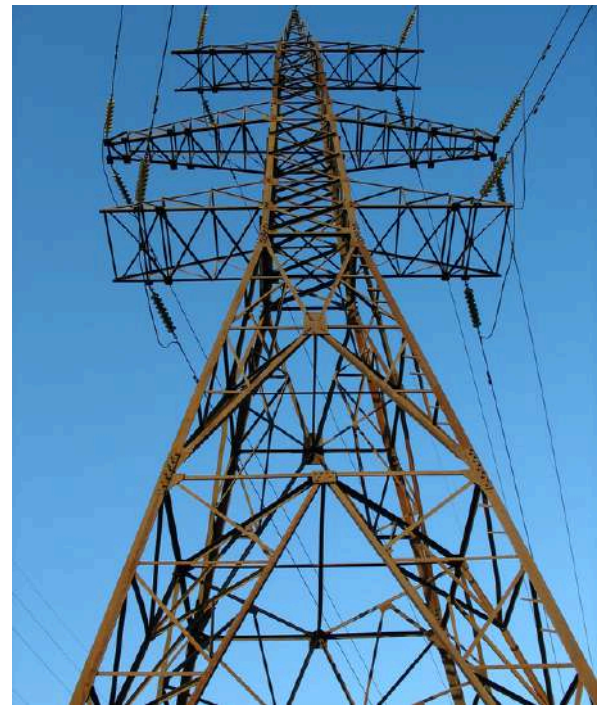
**Overhead Transmission Line**



**Distribution Line**



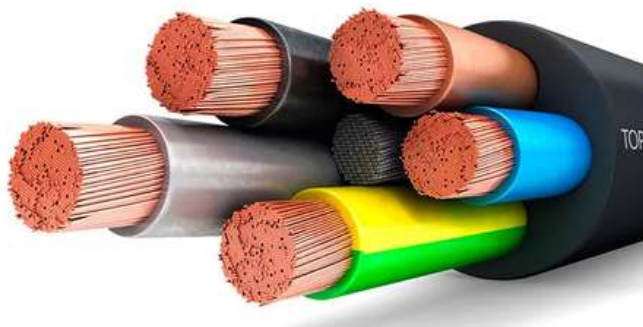
**Low Voltage /High Voltage  
Transmission Pole**



**Transmission Tower**



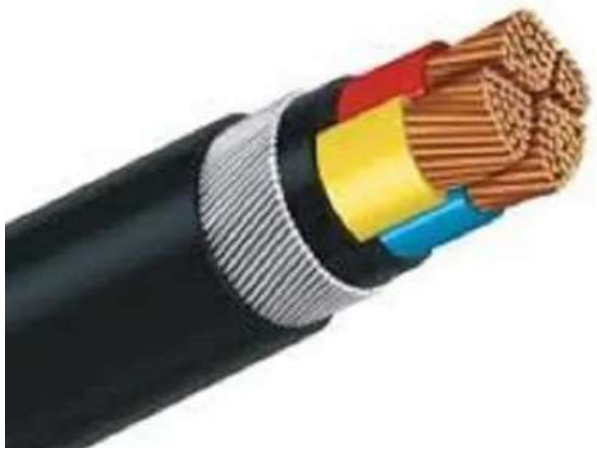
**POWER CABLES & ACCESSORIES**



**Power Cables**



**Shielded Cables**



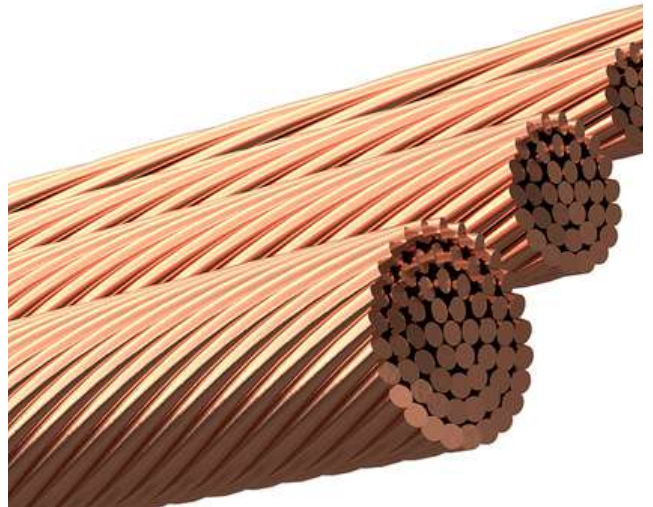
**Armoured Cable**



**Optical Cable**



**Aluminium Bare Wire  
Conductors**



**Hard Drawn Copper  
Wire**

**GENERATOR**



**Gasoline Generator**



**Diesel Generator**



**Solar Generator**

**TRANSFORMER**



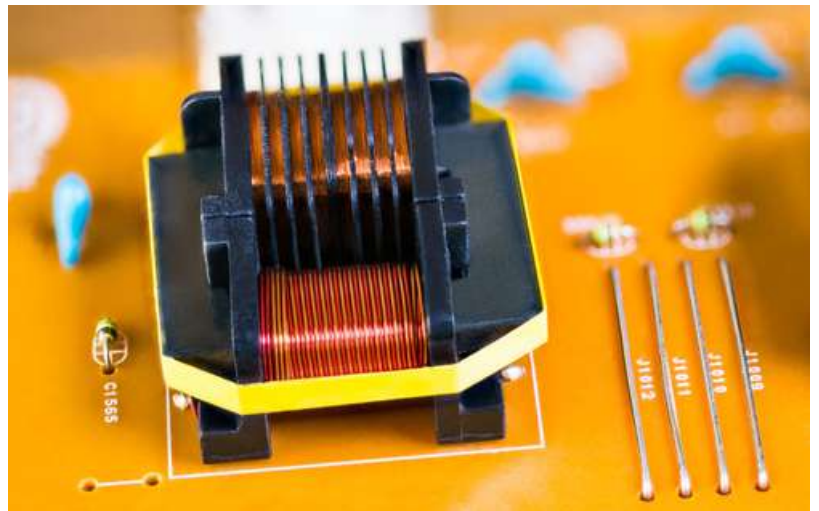
**Transmission Transformer**



**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**

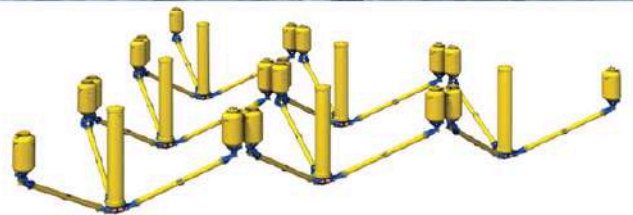


**Cross flow Turbine**

## WAVE ENERGY SYSTEM



**Buoyant Moored system**



**Float**



**Point Absorbers**

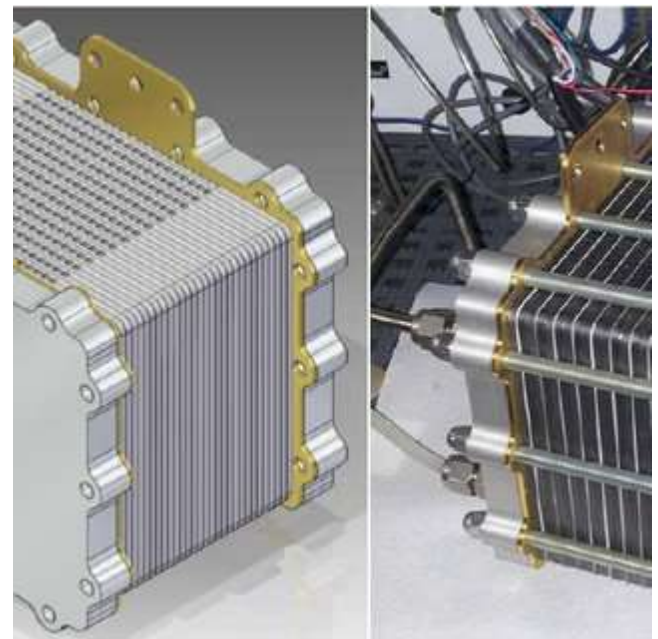
## FUEL CELL

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



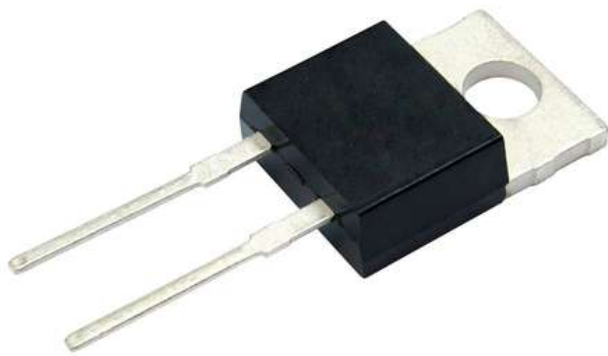
Avalanche  
Diode



Zener Diode



P-N Junction Diode



Schottky Diode



Photo Diode

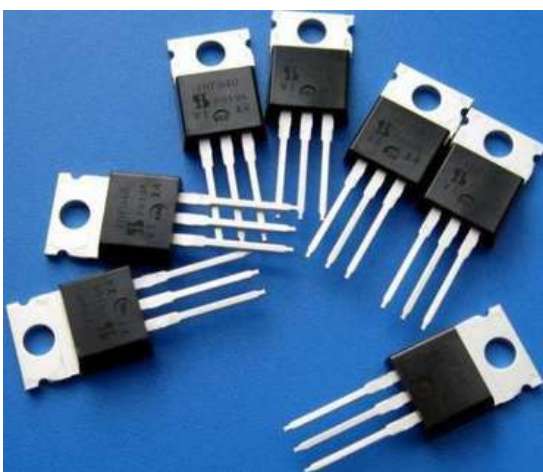
**TRANSISTOR**



Bipolar Junction Transistor



Avalanche Transistor



Field Effect Transistor



Darlington Transistor

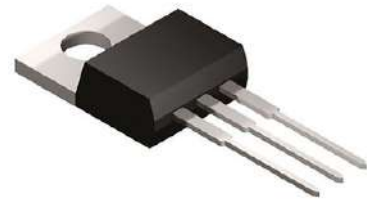




**Small Signal Transistor**



**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**

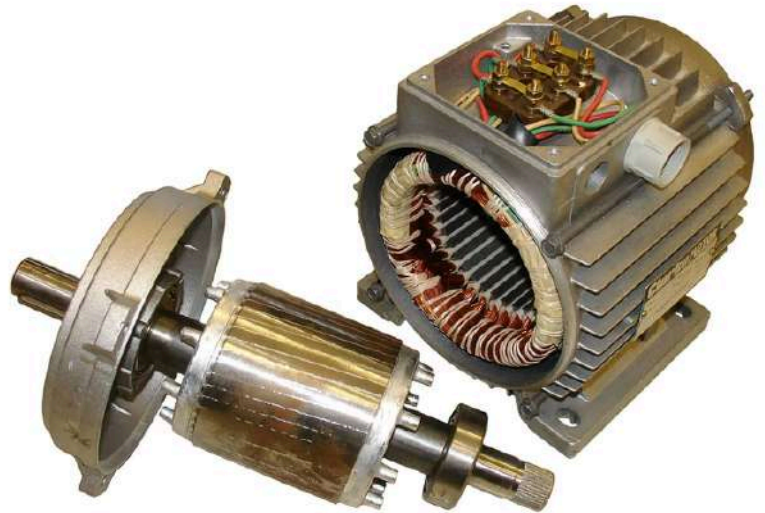


## ELECTRIC MOTORS

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



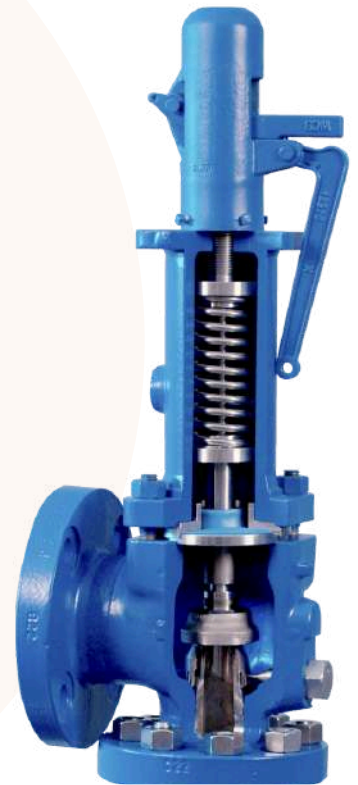
Water/Oil Control Valve



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

## 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  
 Initial Registration Date : xx-xxxx-xxxx  
 1<sup>st</sup> Surveillance Date : xx-xxxx-xxxx  
 2<sup>nd</sup> Surveillance Date : xx-xxxx-xxxx  
 Certificate Expiry Date : xx-xxxx-xxxx  
 (IAF Code: 29)

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Issued by ARS Assessment Private Limited

Managing Director 

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

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  
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ISO 45001:2018

**Certificate of Registration** 

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

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 Site-1: Office#1, Al Qusais Industrial Area 4, Dubai, UAE  
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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  
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ISO 9001:2015

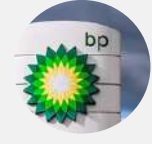




# LOCATIONS - DUBAI,IRAQ



## OUR CLIENTS



## CONTACT US



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