



Reliable Power Since 1958



WHO WE ARE

Your Reliable Transformer Manufacturer & Solutions Partner.

We are an advanced transformer factory to design, produce and supply distribution and power transformers, located in Nansha District, Guangzhou City, Guangdong Province of China.



67⁺

Years' Experience



100,000m²⁺

Factory Area



600⁺

Employees



70⁺

Countries Worldwide
Exported



200K⁺ Units

Global installations
about



100k⁺ Units

Global new energy
projects supplied



1958

Being established in Panyu, Guangzhou, the company originated from an electrical machinery factory.

1979

The first 20MVA, 110kV power transformer was commissioned.

2007

Being expanded into the new energy applications sector

2010

Being expanded into the nuclear power sector

2015

Officially renamed as Pearl Electrical Co., Ltd.

2020

Being expanded into the defense sector

2022

Being expanded into the offshore wind power applications sector

2024

Being expanded to new manufacturing facility in Nansha Dist, Guangzhou

SINCE 1958

WHAT WE HAVE

New Smart Factory

Smart Transformation, Efficiency Revolution



Digital Winding
Machines



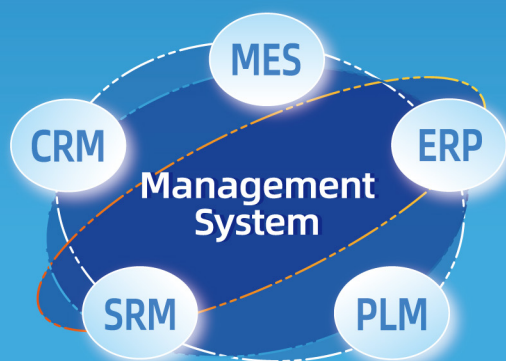
Intelligent
Cutting Lines



Smart Warehouse



Fully Automatic
Casting Systems



Data Integration, Streamlined Collaboration



Rooftop Photovoltaics with Low-Carbon Efficiency

Innovation & Technology



60⁺ Intellectual Property



4 Intelligent
Test Stations



5 Specialized
Laboratories



Member of the National
Transformer Standardization Committee



Member of the IEC Standardization
Working Group



National Science and Technology
Progress Award



Postdoctoral Research Station
Academician Expert Workstation

Product Line



Dry Type
Transformer

66kV and below, 40MVA



Oil-immersed
Transformer

230kV and below, 150MVA



Pad-Mounted
Transformer

34.5kV and below, 10MVA



Compact Substation
Transformer

66kV and below, 20MVA



WHAT WE HAVE DONE Application Including

Power Generation:

- Nuclear power
- Hydropower
- Thermal power
- Wind power
- Solar Power
- Energy storage

Power Transmission:

Power Grid

Power Distribution:

- Industrial Facilities
- Commercial Buildings & Infrastructure
- Residential
- Transportation
- Telecommunications
- Data Center



Application Cases



01

Harmony-United Kingdom
Energy Storage Project
3300kVA All-in-one BESS
Power Conversion Station



02

NEOM-Saudi Arabia
Onshore Wind Farm Project
7200kVA Transformer
Substation



03

Canada
Wind Energy Project
8700kVA Transformer
Substation



04

Malaysia
Solar Plant Project
3500kVA Oil Transformer



05

Guri-Venezuela
Hydropower Plant Project
5300kVA Excitation Dry Type
Transformer



06

South Africa
Municipality Power Station
Project
20MVA Oil Power Transformer



07

Mexico
Cement Plant Project
2500kVA Oil Transformer



08

Finland
Shipyard Project
4250kVA Water-cooled Dry
Type Transformer



09

Singapore
Onshore Charging Project
2100kVA Pad-mounted
transformer



10

Philippines
Residential Project
1500kVA Pad Mounted
Transformer



11

China
Global U.S. Data Center Project
4200kVA FR3 Oil Transformer



12

Macao-China
Commercial Hotels Project
1600kVA Oil-immersed
Transformer

*Exported to over 70 countries worldwide, including Europe, the Americas, Oceania, the Middle East, Asia, Africa, and more.

After-sales Guarantee



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