

Integrated Power Systems. Engineered for Reliability.



Website : www.nengfuelectrical.com



EPC Service Provider



Table Of Content

Website : www.nengfuelectrical.com



01

Company Introduction

02

Core Products and Technologies

03

Project Cases & industry Applications

04

Qualifications and Certifications

05

Contact NengfuElectrical





01. Introduction

Nengfu Electrical is a company specializing in providing efficient and reliable electrical system solutions and engineering services. The company seizes opportunities in the development of new power systems and drives digital transformation across the energy sector.

About Us: 
Our Identity
and Services

Based in Shanghai Songjiang Industrial Park, the company operates under the principle of "making products with heart" and has earned ISO 9001, ISO 14001, and ISO 45001 certifications.

Nengfu Electrical's product lines cover design, engineering & production of diesel & gas generators, electrical cabinet, and EPC services, earning a reputation for excellent product performance and reliability.



Website : www.nengfuelectrical.com





EPC Service Provider

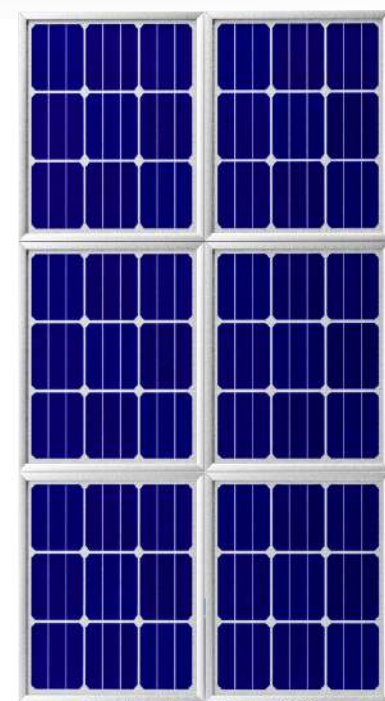
Nengfu Electrical is a highly capable professional with strong skills in technology integration, project management, upstream and downstream coordination, financial control, and client communication.

As a turnkey solution operator, Nengfu Electrical can design and deliver highly complex power system solutions from scratch (0 to 1), managing the full process from demand-side analysis to construction-side execution.

NengfuElectrical bridges the entire value chain—from design and equipment to construction and O&M—helping clients achieve safe, energy-efficient, compliant, and low-carbon power usage goals.

Focused on EPC delivery of power systems for high-end scenarios such as data centers, semiconductors, and shipbuilding.

Website : www.nengfuelectrical.com



What problems does Nengfu Electrical solve?

Client Pain Points

- Long construction cycles and poor coordination of power distribution systems
- Low efficiency in multi-vendor collaboration
- Non-compliant or energy-inefficient power solutions
- Budget overruns
- Difficulties in operation and maintenance post-commissioning

Capabilities to Solve Them

- Project integration and coordination capabilities; one-stop EPC delivery
- End-to-end resource mobilization to reduce interface risks
- Technical solution optimization (e.g. high-voltage direct supply, energy storage, low-carbon power integration)
- Precise cost control from the source to avoid overspending
- O&M training and remote monitoring system design

02. Core Products and Technologies



EPC Service Provider



Core Partner - Schneider



Core Partner - ABB



Website : www.nengfuelectrical.com





HV/LV Complete Electrical Equipment



EPC Service Provider

Product Features

- KYN61-40.5 Type: Armored withdrawable switchgear for 40.5kV high voltage power systems, featuring enhanced safety and reliability.
- KYN28-24 Type: Indoor three-phase switchgear for 24kV systems, widely deployed in power plants and substations.
- KYN28-12 Type: Middle-mounted withdrawable switchgear for 12kV power distribution systems.
- HXGN-12 Type: Fixed-type AC metal-enclosed switchgear for 12kV applications, supporting multiple voltage requirements.

All products are widely used in power plants, substations, and industrial & mining enterprises to ensure stable operation of power systems.



Website : www.nengfuelectrical.com





Automation Control Equipment



EPC Service Provider

Product Features

- Power Distribution Box Control System: Intelligent control for enhanced distribution efficiency
- Variable Frequency Drive (VFD) Control Cabinet Management Software: High-efficiency management for frequency conversion equipment
- PLC Control Cabinet Alarm System: Real-time monitoring with safety assurance
- Fully-Enclosed Insulated Control System: Hermetic insulation design ensures system stability

Application Scenarios

Suitable for various industrial automation scenarios, enhancing equipment operational efficiency and safety.



Website : www.nengfuelectrical.com





Generator Set Series



EPC Service Provider

Cummins Series

Generators equipped with Cummins diesel engines paired with premium brushless, self-excited, AVR-controlled alternators. These units offer a wide power range suitable for various industry applications.

Perkins Series

Generators powered by Perkins diesel engines that deliver high performance and reliability, specifically designed to meet stringent industrial requirements.

Volve Series

Generators featuring Volvo Penta diesel engines integrated with advanced control technologies, providing highly efficient and stable power solutions.



Website : www.nengfuelectrical.com





Generator Set Types



EPC Service Provider

Marine Series

Marine-dedicated generator sets, compliant with classification society standards, featuring anti-corrosion and explosion-proof properties.

Mobile Power Station Series

Including mobile emergency power vehicles and tractor-powered stations, designed for field operations and emergency power supply scenarios.

Low-Noise/Containerized Power Station

Incorporating noise reduction technology and containerized design to minimize acoustic pollution while enabling easy transportation and installation.



Website : www.nengfuelectrical.com





Generator Neutral Grounding Resistor



EPC Service Provider

Product Features

Constructed with high-grade stainless steel for superior heat resistance and stability, this product is compatible with generators across multiple voltage classes.

Application Scenarios

This product effectively protects generator stator windings from insulation failure and is widely applied in power plants, chemical industries, and other critical sectors.



Website : www.nengfuelectrical.com



03. Project Cases & Industry Applications



- **Malaysia — Johor Sedanak Technology Park Data Center** - Supplied 584 units of AC power distribution cabinets for Phase 1
- **Djibouti — International Free Trade Zone Smart City Residential Project** - Supplied MV switchgear, 0.4 kV LV distribution equipment, and transformers
- **Guinea — Simandou Iron Ore Project** - Delivered Schneider - authorized equipment, including lighting distribution panels, HVAC power distribution, maintenance outlet boxes, centralized emergency lighting control systems, motor control, LV switchgear panels, field control boxes, and local operation stations
- **Bangladesh — Dasher Gandhi Wastewater Treatment Plant** - Supplied Schneider 11 kV switchgear and Mitsubishi diesel generator sets (2 × 1400 kW and 2 × 1000 kW)

Website : www.nengfuelectrical.com





EPC Service Provider

Industry Applications Computering Center



Website : www.nengfuelectrical.com

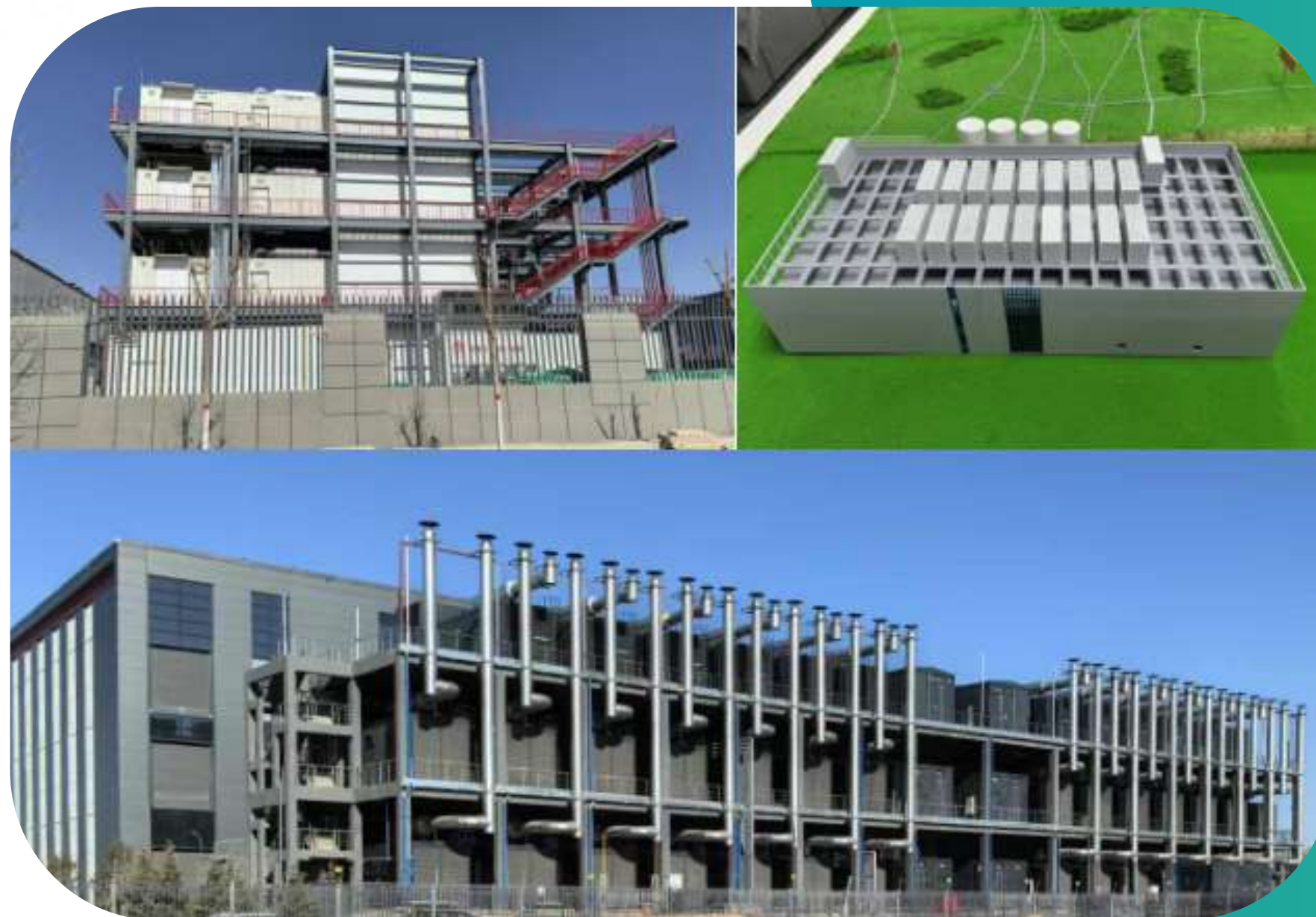




EPC Service Provider

Industry Applications

Computering Center



Website : www.nengfuelectrical.com



More Cases:



Honduras Southern Choloteca Regional Hospital Project

Honduras Choloteca Southern Hospital Project, financed with USD 135 million in funding from the Central American Bank for Economic Integration (CABEI), aims to serve...



Malaysia's First Fully Modular Data Center

We proudly supplied 584 high-performance AC power distribution cabinets for the Phase I of Malaysia's first fully prefabricated modular data center, located in...



AEON BLEU Tower Electrical Equipment Supply

The AEON BLEU project is located in Davao City, Philippines, and includes three towers (Tower 1, 2, and 3) along with ancillary facilities. The core of the project involves the design and ...



Djibouti Residential Smart City Project in the Free Trade Zone

This project is an international residential smart city initiative invested and developed by Shanghai Zhongjin Construction Group Co., Ltd. in Djibouti, located on the western shore...

Website : www.nengfuelectrical.com



More Cases:



PetroChina Overseas Mining Substation with Prefabricated Transformer Unit



This project aims to support PetroChina's overseas mining operations by providing a reliable, efficient, and modular substation...

Simandou Iron Ore Project in Guinea



This project is the Simandou Iron Ore Project invested by Baowu Group in Guinea, West Africa. The Simandou mountain range stretches for hundreds of kilometers across the Kankan...

Bangladesh Dasher Gandhi Wastewater Treatment Plant Project



The Dasher Gandhi Wastewater Treatment Plant is a critical infrastructure project aimed at improving urban sanitation and...

ABB Modular Power EPC Turnkey Solution



This project is an international residential smart city initiative invested and developed by Shanghai Zhongjin Construction Group Co., Ltd. in Djibouti, located on the western shore...

Website : www.nengfuelectrical.com



More Cases:



Marine Power Solution

Our company once successfully delivered high-quality Cummins-powered 1000kW marine generator sets for leading shipbuilders in the industry. The reliable power...



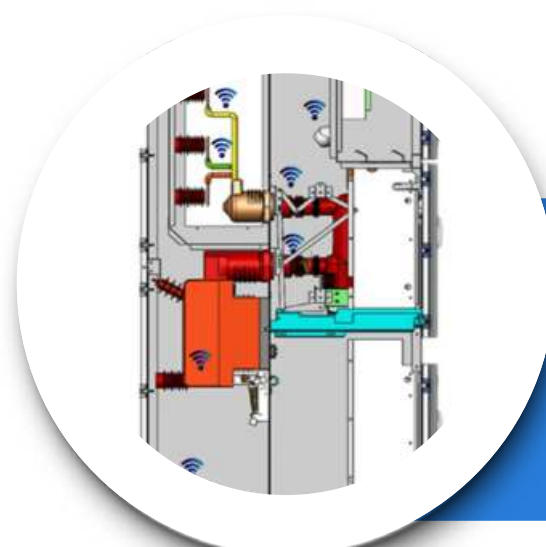
AI-Powered Energy Solution

This project is the Simandou Iron Ore Project invested by Baowu Group in Guinea, West Africa. The Simandou mountain range stretches for hundreds of kilometers across the Kankan...



Kazakhstan Wastewater Treatment Plant Power System Project Plan

To meet the growing demand for urban wastewater treatment capacity, a large modern wastewater treatment plant (W/TP) is planned...



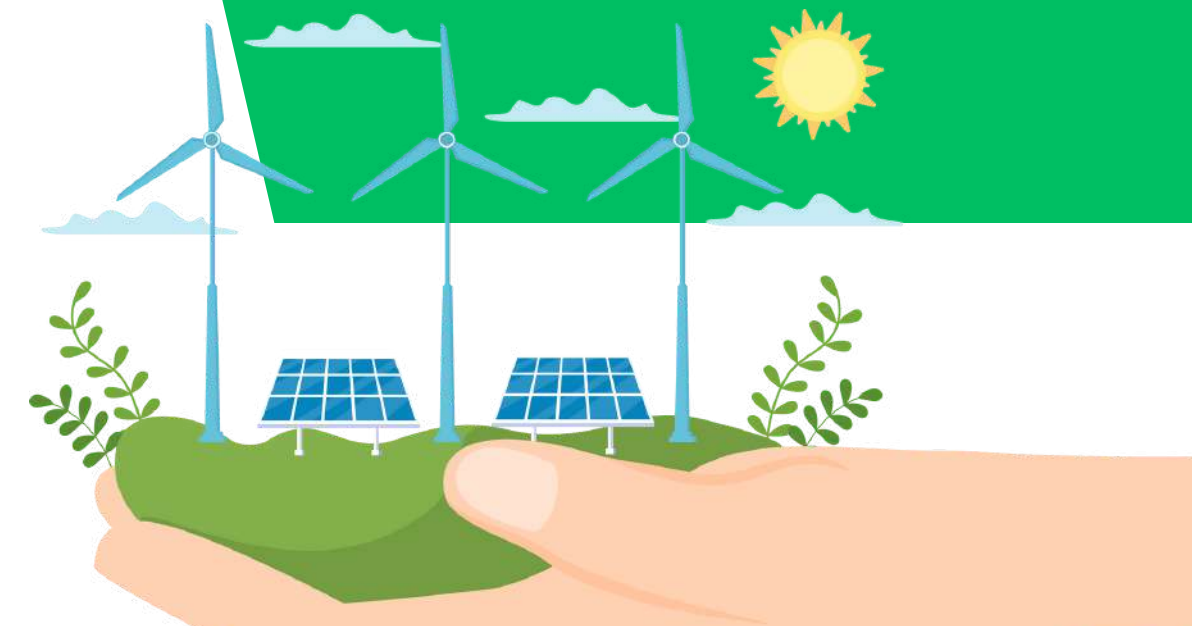
Subsystems of the Expert Diagnosis System

Digital Protection: Phase-to-phase three-stage overcurrent protection (with low-voltage directional blocking function)
Inverse time overcurrent protection...

Website : www.nengfuelectrical.com



04. Qualifications & Certifications



ISO19001/ISO14001
/ISO45001



EPC Qualification

Website: www.nengfuelectrical.com





EPC Service Provider

Thank You For Your Attention



Phone Number

0086 18016291327



Email

tia@nengfuelectrical.com

Talk to our
experts now!

Website : www.nengfuelectrical.com

