SHNF 2026 · OVERSEAS EPC CAPABILITY

ONE CONTRACT. One Team. Zero Blame Games.

Shanghai Nengfu Intelligent Electrical Co., Ltd.

Generator sets • Switchgear & automation • Turnkey EPC delivery. We handle the whole power package, so EPC contractors and consultants don't have to chase three vendors to get one answer.

SCHNEIDER + ABB BACKED

ISO 9001 · 14001 · 45001

DELIVERED IN SEA

THE PROBLEM

The Multi-Vendor Trap

01

Interface Gaps

Who owns the seam between genset and switchboard? Separate vendors leave that answer fuzzy.

02

Schedule Slip

Most delays don't come from the equipment. They come from vendors pointing at each other.

03

Cost Surprises

Hidden scope and change orders quietly eat the margin while nobody takes ownership.

→ **SHNF breaks the deadlock: one team owns design, supply, and site commissioning.**

COMPANY PROFILE

SHANGHAI NENGFU AT A GLANCE

R&D, manufacturing, and EPC delivery — all under one roof in Shanghai. Fewer handoffs, fewer excuses.

HQ & LOCATION

Songjiang Industrial Park, Shanghai, China

G60 Sci-Tech Innovation Corridor

CORE FOCUS

Power system solutions

& energy digitalization

R&D & MANUFACTURING

HV/LV equipment

diesel, gas & marine gensets

EPC CONTRACTING

Electromechanical

engineering delivery

CERTIFICATIONS

3 in force

Quality, environment, and site safety — already handled, so pre-qualification doesn't slow your bid down.

9001	Quality Management
14001	Environmental Management
45001	Occupational Health & Safety

EPC DELIVERY MODEL

ONE CONTRACT. FIVE Controlled STEPS.

A repeatable process that keeps the interface risk off your project — and on us.

01 ASSESS

Needs assessment

Requirements turned into specs. No over-design, no under-design.

02 DESIGN

Solution design

Co-designed with you, balancing cost, safety, and scale.

03 BUILD

Procurement & manufacturing

Quality and lead time owned by one party — us.

04 INSTALL

Construction & installation

Safety and schedule discipline, enforced on site.

05 SUPPORT

Operation & maintenance

We stay involved after handover, not just before it.

Why Nengfu's Turnkey EPC Model Wins

The Turnkey Advantage

01

No coordination chaos

One partner answers for every supplier interface.

02

Price you can plan on

Known cost upfront. No hidden extras later.

03

Designs that hold up on site

How sites actually run is baked in at design stage.

04

Support after handover

O&M stays with us, not on your plate.

PRODUCT LINE · POWER GENERATION

Diesel Generator Sets

- ✓ Full range from **20 kVA skid units to 750 kW+ prime power** — built around your load, not the other way round.
- ✓ Genuine engines only — **Perkins, Cummins, Volvo, Yuchai** — paired with Stamford alternators. No mystery parts.
- ✓ Fast cold start, waterproof options, and units rated for **50°C site heat** — built for tough sites, not just showrooms.
- ✓ Backup or prime duty for **data centers, factories, and buildings** where an outage costs real money.

Power range

20 kVA – 750 kW+

Skid · canopy · containerized

Engine platforms

Perkins · Cummins · Volvo · Yuchai

Stamford alternators as standard

Duty

Prime & Standby

Data centers · industry · buildings

Full range, one spec sheet

Tell us your load — we size it

- Full range, datasheets & load-sizing help — **nengfuelectrical.com/diesel-generator-set**

POWER GENERATION · FUEL FLEXIBILITY

FGW Generator Sets

Gas-Fueled Power, Engineered to Spec

- Reliable, eco-friendly, affordable power — built for complex industrial, commercial & grid duty
- Runs on natural gas, biogas & other gas fuels where diesel alone isn't the right call
- Full in-house chain: design, engineering & production of gas and diesel gensets

Diesel **Gas** **Hybrid** **Marine**

Fuels
Natural gas · Biogas

Duty
Continuous & Specialized

Fit
Renewable · Thermal · Hybrid

Full range, datasheets & load-sizing help — nengfuelectrical.com/fgw-generator-set

ELECTRICAL DISTRIBUTION & CONTROL

Switchgear Assembly
From LV Panels to 40.5 kV

- Precision power management with advanced protection — built for critical infrastructure
- Low & medium voltage: Schneider Prisma E, ABB panel building, MVnex, KYN28 & armored 40.5 kV
- Designed, engineered & assembled in-house — one accountable partner for the electrical room

Voltage Range
LV – 40.5 kV · 50/60 Hz

Platforms
Schneider Prisma E · ABB

Fit
Data Centers · Plants · Buildings

Full range, datasheets & configuration help — nengfuelectrical.com/switchgear-assembly

OVERSEAS CASE STUDIES

Proof in the field, not on paper.

Four markets. Four different problems. Same one-team answer.

01 — JAPAN

White Bear Power

Storage box substation for grid frequency regulation — Japan-grade certification, built for tough outdoor conditions.

02 — DJIBOUTI

Smart Housing Community

Residential power for an extreme climate — heat, dust and unstable grids, handled end to end.

03 — MALAYSIA

Data Center — Tier-1 Power

Zero-tolerance compute load — dual-ring distribution and precision switchgear, monitored around the clock.

04 — INDONESIA

Data Center — Power Distribution

Full distribution build in Southeast Asia's fastest-growing compute market, delivered with local install crews.

— MORE REFERENCES ON REQUEST —

OVERSEAS CASE STUDY 01 · NEW ENERGY

Japan: we passed the strictest grid test in Asia.

White Bear Power storage box substation — distributed storage plus grid frequency regulation.

PROJECT SNAPSHOT

CLIENT
White Bear Power

LOCATION
Japan

SCOPE
Custom storage box substation — design, production, install, grid hook-up

STATUS
DELIVERED · IN WARRANTY

Flagship overseas new-energy project for our export business.

WHAT WE DELIVERED

- ✓ Storage box substation custom-engineered in-house for distributed storage and grid frequency regulation.
- ✓ Built to Japan-grade grid certification: high insulation, low loss, wide-temperature tolerance.
- ✓ Our crew handled on-site installation, precision commissioning and grid connection — not subcontractors we can't vouch for.
- ✓ Dual-mode warranty: remote real-time monitoring plus scheduled on-site patrols, with cross-border engineering backup.

GRID-CERTIFIED High insulation · low loss · anti-temperature-drift — built for Japanese standards.

OVERSEAS CASE STUDY 02 · SMART HOUSING

Djibouti: built for the heat, the dust and weak grids.

A livelihood housing community where power simply has to work — no ifs.

PROJECT SNAPSHOT

PROJECT TYPE

Smart Housing Community

LOCATION

Djibouti

CONDITIONS

Year-round heat, dust storms, unstable regional grid

STATUS

Delivered · In Warranty

Key livelihood project — power for homes and public facilities.

WHAT WE DELIVERED

- ✓ Custom LV/HV distribution gear designed for this site: heat-tolerant, dust-sealed, surge-stable, safety-hardened.
- ✓ Full community install — homes, public facilities and doorstep connection, all commissioned.
- ✓ Extreme-environment protection built in from day one, not patched on later.
- ✓ Warranty run by local crews: regular site inspections, performance calibration and loss sweeps.

SUPPORT & WARRANTY

Localized technical support on the ground — not a phone number in another time zone.

OVERSEAS CASE STUDY 03 · DATA CENTER

Malaysia: zero tolerance. Zero excuses.

Tier-1 power for a core regional compute hub — one outage is one too many.

PROJECT SNAPSHOT

CLIENT SEGMENT
Data Center Operator

LOCATION
Malaysia

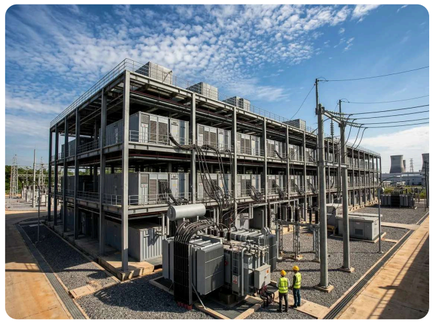
DUTY
Zero-fault, uninterruptible Tier-1 compute load

STATUS
Live · 24/7 Monitored

Client NDA — details shared in private.

WHAT WE DELIVERED

- ✓ Precision switchgear built to international Tier-1 standards — redundant, accurate, energy-lean.
- ✓ Dual-ring distribution: no single point of failure, no excuses.
- ✓ 24/7 monitoring of live running data, deep on-site inspections and hazard sweeps on a fixed cycle.
- ✓ Hands-on support for compute O&M, equipment upgrades and system iteration as the facility grows.



SUPPORT & WARRANTY

Live 24/7 monitoring + scheduled deep inspections — we stay on duty after handover.

OVERSEAS CASE STUDY 04 · DATA CENTER

Indonesia: another data center, delivered without drama.

Follow-on delivery in Southeast Asia's fastest-growing compute market.

PROJECT SNAPSHOT

CLIENT SEGMENT
Data Center Operator

LOCATION
Indonesia

SCOPE
Full distribution build: switchgear, panels, redundancy scheme

STATUS
Delivered

Client NDA — details shared in private.

WHAT WE DELIVERED

- ✓ End-to-end distribution build — switchgear, panels and the full redundancy scheme, all under one contract.
- ✓ Local install crew on site, with our Shanghai engineering team on remote backup.
- ✓ Commissioned and handed over on schedule, with the standard warranty package included.
- ✓ Same delivery playbook as our Malaysia and Vietnam data center work — proven again in the region.

SUPPORT & WARRANTY Standard warranty included — spare parts stocked, remote diagnostics on call.

PARTNERSHIPS · BUYER RISK REDUCTION

Built on Partner-Backed Technology

Two names your procurement team already knows — backing our switchgear and panel building.

SE Schneider Electric

Authorized Technology & Business Partner

- ✓Prisma E low-voltage switchboard technology
- ✓Factory-built under Schneider authorization
- ✓Genuine components, certified assembly

> Consultants and utilities accept these specs without a fight.

ABB ABB

Technology & Licensing Partner

- ✓Licensed switchgear & panel building
- ✓ABB-proven component platform
- ✓Fewer sourcing surprises for EPC teams

> Takes the guesswork out of component sourcing for procurement.

What this means for your project — Less vendor risk. Faster approvals. Specs your client's consultants already trust.

Compliance Already in Place

Certifications that match bid requirements — and remove qualification friction for EPC procurement teams.

ISO 9001

Quality Management

Traceable production, consistent quality, and disciplined change control.

ISO 14001

Environmental Management

Responsible manufacturing and environmental controls across site and supply chain.

ISO 45001

Occupational Health & Safety

Safe execution standards for every site, from panel build to commissioning.

Built for high-performance and reliability requirements.

DIGITAL TWIN MANUFACTURING

Smart Manufacturing, Visible Before It Ships

01 **Smart manufacturing inside Songjiang**
Factory-built, pre-tested, quality-controlled

02 **Digital twin delivers pre-install visibility**
Review equipment digitally before despatch

03 **Energy digitalization supports commissioning & O&M**
Data-ready packages for lifecycle reliability

04 **Validate panels and gensets before they reach site**
Fewer surprises, faster site acceptance

Pre-Install Visibility
Review, validate, then ship

WHY EPC CONTRACTORS PICK SHNF

ONE TEAM. Off Your Critical Path.

- ✓ One accountable partner for generators, switchgear, automation & site work
- ✓ Fewer vendor interfaces — fewer delay claims
- ✓ Proven international data center delivery
- ✓ Partner-backed components from Schneider Electric & ABB
- ✓ ISO 9001 / 14001 / 45001 already in place
- ✓ Smart factory + digital twin = fewer site surprises

SECTION 02 · POWER INVESTMENT

Power Investment

Distributed Solar Power Plant Investment / EPC Engineering

Deep expertise in China's distributed photovoltaic market — green energy funds, intelligent O&M, and customized solar power plant solutions for industrial rooftops across diverse sectors. From project development and construction to asset management, we keep every station running efficiently and stably across its full lifecycle — cutting electricity costs and building asset value.

01

Development

Site assessment, permits, grid connection & green energy fund alignment.

02

Construction

EPC engineering, procurement & build — one accountable team, one timeline.

03

Asset Management

Intelligent O&M, real-time monitoring & lifecycle care — stable output, stable returns.

Lower electricity costs. Higher asset value.

3 roof types · 3 ownership models →

CLASSIFICATION 01/03 · DISTRIBUTED PV SYSTEMS

Color Steel Roof

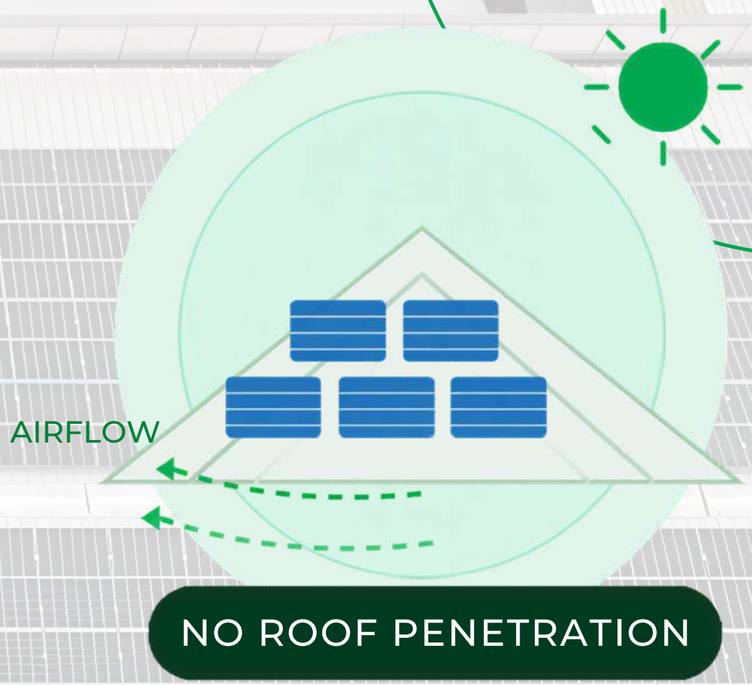
Fast to install. Easy on the budget. Zero roof damage.

01 Convenient Installation, Cost-Effective

Installed without damaging the existing roof structure — fast construction, reduced upfront investment.

02 Optimized Ventilation for Higher Efficiency

A ventilation gap between modules and roof creates natural airflow — cooler modules, higher generation output.



Best fit: industrial plants · warehouses · logistics hubs

Next: Concrete Flat Roof →

CLASSIFICATION 02/03 · DISTRIBUTED PV SYSTEMS

Concrete Flat Roof

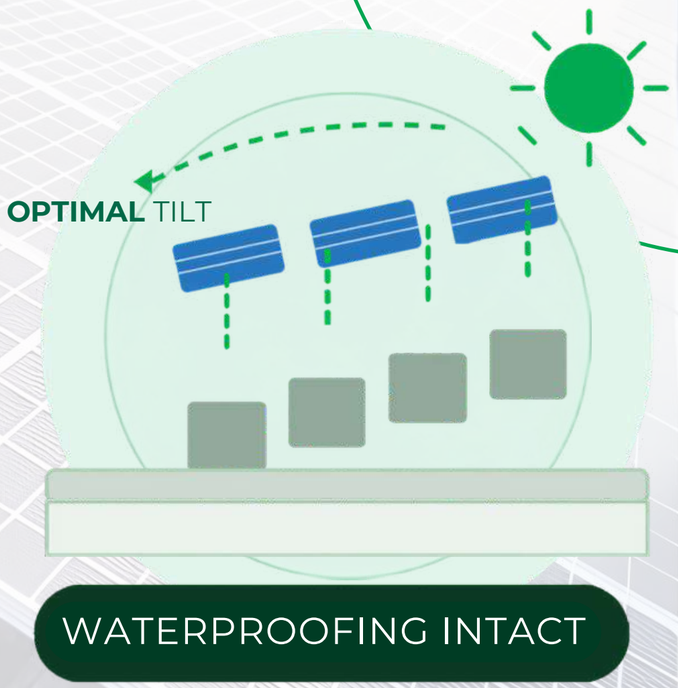
No roof penetration. Waterproofing intact. Tilt-optimized yield.

01 Flexible Ballast Mounting, Broad Adaptability

Precast concrete ballast mounting — no roof penetration, waterproof integrity preserved, adapts to a wide range of roof conditions.

02 Optimized Tilt Angle for Maximum Yield

Mounting structures designed to the optimal local solar angle — maximizing generation and project returns.



Best fit: warehouses · factories · commercial buildings

Next: BIPV →

CLASSIFICATION 03/03 · DISTRIBUTED PV SYSTEMS

BIPV Building-Integrated Photovoltaics

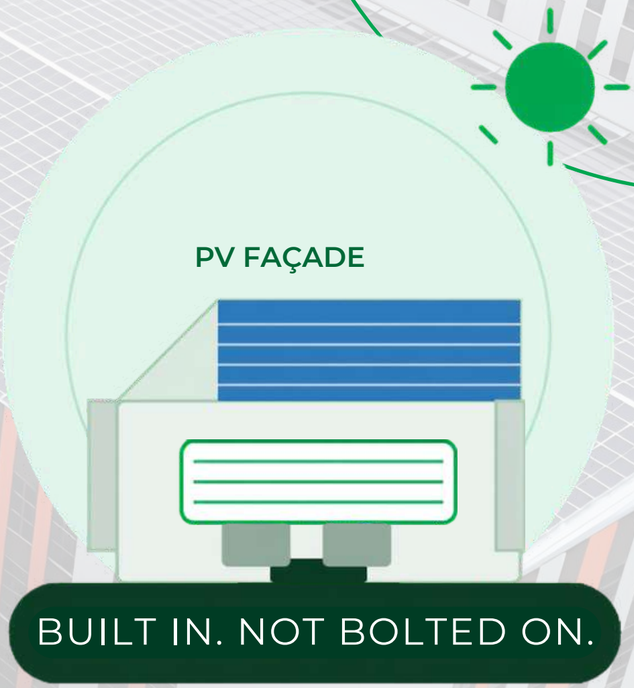
Architecture that generates power. Power that looks like architecture.

01 Integrated Design with Architectural Aesthetics

Replaces conventional roofing materials — PV is built into the structure itself, pairing energy generation with modern architectural design.

02 Longer Lifespan, Higher Overall Value

Engineered to match the building lifecycle — superior waterproofing, insulation and weather resistance, outlasting conventional PV systems.



Best fit: new builds · green buildings · architectural projects

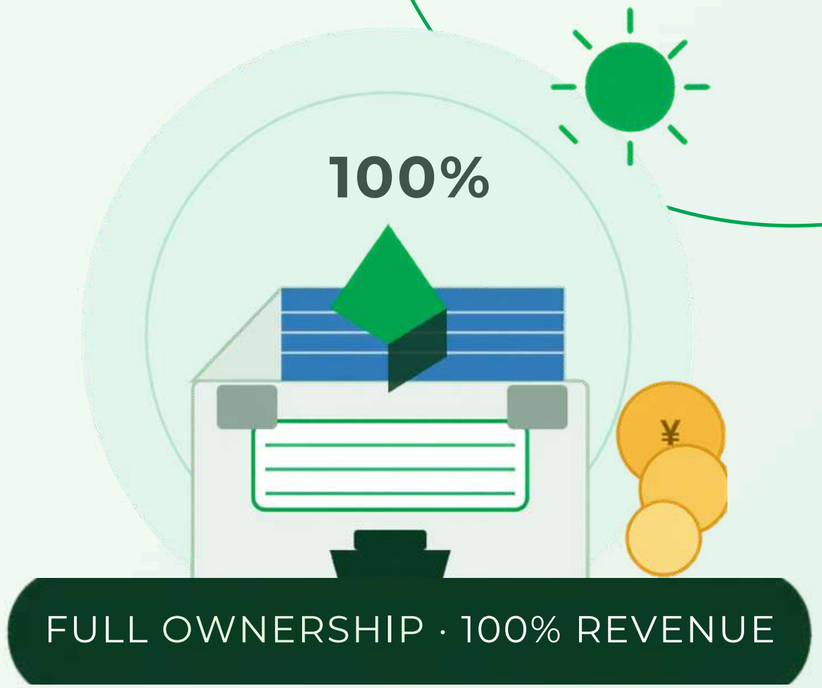
Next: Self-Investment Model →

PARTNERSHIP & OPERATION MODEL 01/03

Self-Investment Model

You own it. You keep the revenue. It's that simple.

★ Core Value: Full Revenue Ownership, Complete Asset Control



01 Own & Operate

Clients invest and build the PV plant with their own capital — enjoying full ownership of all power generation revenue.

02 Long-Term Corporate Asset

Clear ownership, stable returns — dual benefits of green energy adoption and long-term asset appreciation.

Best fit: factories · commercial rooftops · long-term asset holders

Next: EMC Model →

EMC Model
Energy Management Contract

Zero upfront investment. Immediate savings on your power bill.

★ Core Value: Zero Upfront Investment, Immediate Cost Savings

01 Zero Upfront, Green From Day One

Clients access green electricity and preferential power rates with no initial capital investment.

02 We Invest, Build & Maintain

We take on investment, construction and O&M — you save on energy costs and share in low-carbon benefits.

PARTNERSHIP & OPERATION MODEL 03/03

Financial Leasing Model

Light asset. Revenue covers the lease. Green made easy.

★ Core Value: Light-Asset Deployment, Revenue-Covered Costs

01 Low Down Payment, Light Asset Start

Projects begin with a light-asset approach via financial leasing — low down payment access to power plant ownership or usage rights.

02 Revenue Offsets The Lease

After commissioning, power generation revenue offsets lease payments — a low-barrier, sustainable switch to green energy with optimized cash flow.

PROJECT RETURN ANALYSIS · JIANGSU 1 MW CASE

Project Return Analysis

A Jiangsu manufacturer · 100,000 kWh/month · 1 MW rooftop PV · ≈1.25M kWh generated per year

1 MW PLANT
≈ 1.25M kWh / year

Item	Self-Investment Model	EMC Model
Investment Cost	**1.8 RMB/W** — total ≈ **RMB 1.8M** ≈ USD 0.27/W · USD 269K	**Zero investment** —
Annual Revenue Composition	Electricity savings + **power sales revenue**	Electricity savings only
First-Year Revenue	0.7 × 1.25M kWh ≈ **RMB 880,000** ≈ USD 131K	0.31 × 1.25M kWh ≈ **RMB 390,000** ≈ USD 58K
25-Year Net Revenue	25 × 0.7 × 1.25M − 1.8M ≈ **RMB 20.1M** ≈ USD 3.0M	25 × 0.31 × 1.25M ≈ **RMB 9.7M** ≈ USD 1.45M
Payback Period	**Approx. 2 years**	**No capital payback required**
Avg. Annual Revenue (Stabilized)	**RMB 880,000 / year** ≈ USD 131K / year	**RMB 390,000 / year** ≈ USD 58K / year

* USD figures are indicative only, converted at ≈ 6.7 CNY/USD (mid-market, 2026). Exchange rates fluctuate — final commercial terms are quoted and settled in RMB.

≈2-year payback · RMB 20.1M (≈ USD 3.0M) net over 25 years — or zero capex with EMC

Start the conversation

LET'S PLAN THE NEXT Package Together

W **Web**

www.nengfuelectrical.com

Company site — products, projects & references

@ **Email**

sale@nengfuelectrical.com

RFQs, tenders & technical questions — direct to the team

\+ **Phone / WhatsApp**

WhatsApp: 0086 19921011516 (Cliff)
Phone: 0086 18016291327 (Tia)

Call or message — real person, quick reply

One team. One contract. Direct access.

→