VKE
TRANSFORMER

Product Catalog







ISO ANSI IEEE IEC UL CE CSA

JIANGSU VKE TRANSFORMER CO., LTD.

Prominent Transformer Manufacturer

PROMINENT TRANSFORMER MANUFACTURER



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COMPANY PROFILE

Jiangsu VKE Transformer Co., Ltd. was established in 2003 with a registered capital of about $ 14 million. In 2025, VKE sales performance reaches about 50 million dollars. We are now a leading manufacturer of distribution transformers in Jiangsu China.

The company has 2 manufacturing bases covering an area of more than 30,000 square meters. 3 modern workshops producing a variety of transformers to meet the needs of global customers. The main products are as follows:

Dry type transformer
Oil immersed transformer
Pad mounted transformer
Pole mounted transformer
Intelligent substation
Switchgear

Introducing advanced producing lines, among which Core cutting line and Epoxy Resin cast tank are world leading lines. Owing to high quality products and good reputation, VKE has won a rapid development opportunity.

We have newly built transformer intelligent comprehensive testing center, which can carry out most of the tests in house.

We have professional technicians who can support OEM and ODM to meet your personalized needs. Every link from raw material inspection, production, finished product inspection, warehousing, delivery to installation site is closely monitored to ensure product quality.

VKE achieved ISO 9001 Quality, ISO 14001 Environment and OHSAS 18001 Health and Safety Certificate.

Our transformer can meet international IEC and IEEE Standard. We are the qualified supplier of China State Grid & Southern Grid. Our products are delivered to Indonesia, Peru, Philippines and other countries.

Thank you for your trust and support. Let's create a win-win future together!

WORK SHOP













QUALIFICATION



CQC

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00124E32630R1S/3200

We hereby certify that

Jiangsu weike transformer co., ltd

Business Registration Number: 91320621746832333XH

Registered / Operation Address: No.69, Tongyu South Road, Hai'an Development Zone, Nantong City, Jiangsu, China

by reason of its

Environmental Management System

has been awarded this certificate for compliance with the standard

ISO 14001:2015

The Environmental Management System Applies in the following area:

Design, Production, Technical Guidance and Related Management Activities of 35kV and Below Power Transformer, Special Transformer, Box Type Substation, High and Low Voltage Switchgear

Certified since: July 13, 2021 Valid from: June 28, 2024 Valid until: July 12, 2027

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.
Please access www.cqc.com.cn for checking validity of the certificate.
This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

IAF CNAS 谢肇煦 Signed by: Xie ZhaoXu MEMBER OF IQNET

中国质量认证中心

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P. R. China http://www.cqc.com.cn

A 0011395 2024年版



CQC

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00124S32096R1S/3200

We hereby certify that

Jiangsu weike transformer co., ltd

Business Registration Number: 91320621746832333XH

Registered / Operation Address: No.69, Tongyu South Road, Hai'an Development Zone, Nantong City, Jiangsu, China

by reason of its

Occupational Health and Safety Management

has been awarded this certificate for compliance with the standard

ISO 45001:2018

The Occupational Health and Safety Management Applies in the following area:

Design, Production, Technical Guidance and Related Management Activities of 35kV and Below Power Transformer, Special Transformer, Box Type Substation, High and Low Voltage Switchgear

Certified since: July 20, 2021 Valid from: June 28, 2024 Valid until: July 19, 2027

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.
Please access www.cqc.com.cn for checking validity of the certificate.
This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

IAF CNAS 谢肇煦 Signed by: Xie ZhaoXu MEMBER OF IQNET

中国质量认证中心

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P. R. China http://www.cqc.com.cn

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CQC

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00125Q32411R6S/3200

We hereby certify that

Jiangsu weike transformer co., ltd.

Business Registration Number: 91320621746832333XH

Registered Address:No.69, Tongyu South Road, Hai'An Development Zone, Nantong City, Jiangsu, China
Operation Address: No.69, Tongyu South Road, Hai'An Development Zone, Nantong City, Jiangsu, China

by reason of its

Quality Management System

has been awarded this certificate for compliance with the standard

ISO 9001:2015

The Quality Management System Applies in the following area:

Design, Production, and After - Sales Service of 35kV and Below Power Transformers, Box Type Substations, High - Voltage Switchgear Below 12kV, and Low - Voltage Switchgear Within The Qualification Scope (Excluding Engineering Installation)

Certified since: December 19, 2007 Valid from: April 16, 2025 Valid until: April 6, 2028

the expiry date of last certification cycle: April 6, 2025 the date of recertification audit: March 28, 2025 to March 29, 2025
After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.
Please access www.cqc.com.cn for checking validity of the certificate.
This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

IAF CNAS 谢肇煦 Signed by: Xie ZhaoXu MEMBER OF IQNET

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Section 9, No.188, Nansihuan Xilu, Beijing 100070 P. R. China http://www.cqc.com.cn

2024年版



UDEM

TECHNICAL INSPECTION ATTESTATION OF CONFORMITY

The Company mentioned below has been audited by the Notified Body UDEM Uluslararasi Belgelendirme Denetim Egitim Merkezi San. ve Tic. A.S., According to relevant standard given below.

Company Name	: **Jiangsu VKE Transformer Co., Ltd.**
Company Address	: No. 69 Tongyu South Road, Hai'an Development Zone, China
Related Standards	: **EN 60076-1:2011; EN IEC 60076-11:2018**
Product Name	: **Dry-type transformer**
Report No and Date	: ZNWS07260305103
Product Brand/Model/Type	: 50-2500
Certificate Number	: **M.2026.206.C136386**
Initial Assessment Date	: 11.03.2026
Registration Date	: 12.03.2026
Reissue Date/No	: -
Expiry Date	: **11.03.2031**

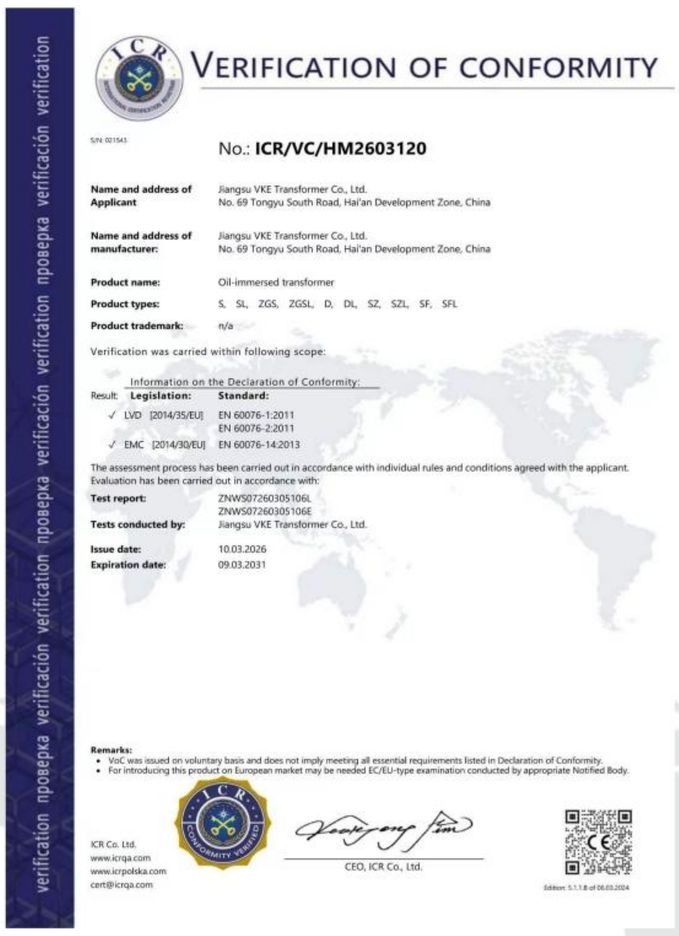
UDEM Uluslararasi Belgelendirme Denetim Egitim Merkezi San. ve Tic. A.S. Genel Müdür

The validity of the certificate can be checked through www.udem.com.tr. Upon completion of EC declaration of conformity. It is used solely at he manifacturer' s responsibility. This certificate remains the property of UDEM Uluslararasi Belgelendirme Denetim Egitim Merkezi San. ve Tic. A.S. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM Uluslararasi Belgelendirme Denetim Egitim Merkezi San. ve Tic. A.S. must be noticed in case of any changes on the product(s).

UDEM

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya Ankara - TÜRKIYE
Phone: +90 0312 443 03 90
E-mail: info@udem.com.tr www.udem.com.tr

UDFRM.320/01-14.08.2024/03.01.2024



verification проверка verificación verification проверка verificación verification проверка verificación verification

ICR

VERIFICATION OF CONFORMITY

S/N: 021543

No.: **ICR/VC/HM2603120**

Name and address of Applicant	Jiangsu VKE Transformer Co., Ltd. No. 69 Tongyu South Road, Hai'an Development Zone, China
Name and address of manufacturer:	Jiangsu VKE Transformer Co., Ltd. No. 69 Tongyu South Road, Hai'an Development Zone, China
Product name:	Oil-immersed transformer
Product types:	S, SL, ZGS, ZGSL, D, DL, SZ, SZL, SF, SFL
Product trademark:	n/a

Verification was carried within following scope:

Information on the Declaration of Conformity:

Result:	Legislation:	Standard:
✓	LVD [2014/35/EU]	EN 60076-1:2011 EN 60076-2:2011
✓	EMC [2014/30/EU]	EN 60076-14:2013

The assessment process has been carried out in accordance with individual rules and conditions agreed with the applicant.
Evaluation has been carried out in accordance with:

Test report:	ZNWS07260305106L ZNWS07260305106E
Tests conducted by:	Jiangsu VKE Transformer Co., Ltd.
Issue date:	10.03.2026
Expiration date:	09.03.2031

Remarks:
- VoC was issued on voluntary basis and does not imply meeting all essential requirements listed in Declaration of Conformity.
- For introducing this product on European market may be needed EC/EU-type examination conducted by appropriate Notified Body.

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CEO, ICR Co., Ltd.

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MARKET FOOTPRIN



Global Reach





Partners & Industries

- Power Transmission & Distribution
- Real Estate & Commercial Development
- Heavy Industry & Manufacturing
- Renewable Energy
- Public Infrastructure
- Data Centers
- Mining & Oil & Gas

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MANUFACTURING PROCESS

The Core

The core is constructed from non-aging, high-permeability grain-oriented silicon steel to minimize hysteresis loss. The sheets are thinly stratified to reduce eddy current loss.

Precision cutting equipment produces laminations with step-lap joints. This design is critical for reducing magnetic flux leakage, loss, and noise.







Due to their thin and large format, the laminations are stacked horizontally on a dedicated stand. After stacking, the core is secured with steel frames, tie plates, and glass resin tape before being lifted upright. This process ensures the formation of a rigid, low-reluctance magnetic circuit.

The Coil

The coil system forms the electrical heart of the transformer, designed to maintain structural and insulation integrity under load variations, thermal cycles, and electromagnetic stress.

Low-voltage windings are wound with larger cross-section conductors, typically made of copper or aluminum, to efficiently carry high current with minimal losses. Their construction emphasizes mechanical robustness and cooling efficiency.





High-voltage windings utilize finer conductors with multiple layers and extensive interlayer insulation. Precision winding ensures accurate turn distribution and graded insulation, which are critical for dielectric strength and voltage withstand performance.





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Casting

This process encapsulates the windings in solid resin to ensure mechanical integrity and dielectric strength. The windings are placed into a preheated mold under vacuum conditions.

Degassed thermosetting resin is injected under pressure to impregnate the insulation system thoroughly. A controlled thermal cycle then cures the resin into a rigid monolithic structure.





The result is a void-free insulation system that provides permanent mechanical support, enhanced heat dissipation, and complete protection against environmental and electrical stress.





Assembly

This process integrates core, windings, and structural components into the final enclosure, which varies by product line.

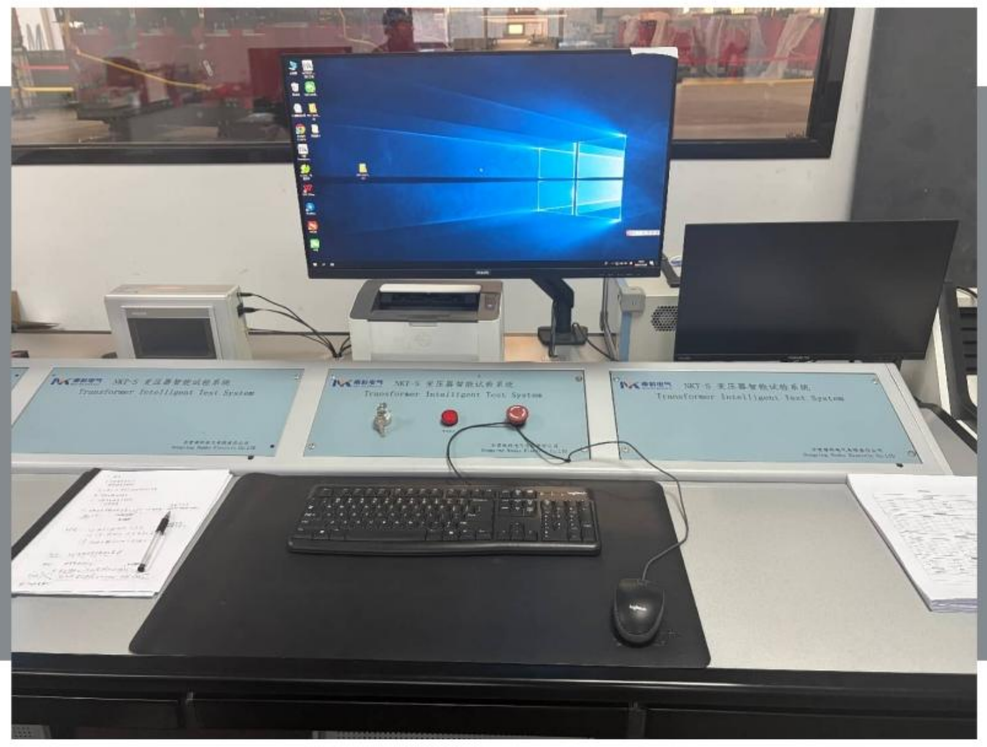
For oil-type transformers, the unit is assembled into a sealed steel tank. For dry-type units, it is mounted within a ventilated enclosure. Pole-mounted and pad-mounted designs follow their respective structural and cooling configurations.



All internal connections, supports, and insulation are secured. Bushings, radiators, or cooling systems are then fitted to the enclosure. Each assembly undergoes mechanical and dimensional inspection before proceeding to the next stage.









Testing

This final phase verifies the performance, safety, and reliability of every transformer before shipment.

Each unit undergoes a series of standard and optional tests according to international standards. Key tests include, but are not limited to, routine tests such as turns ratio, winding resistance, insulation resistance, and no-load loss measurements.

Additional type, special, or customer-specific tests may also be performed to ensure compliance with all operational and safety requirements. All test data is recorded and traceable to the individual unit.



PRODUCT PORTFOLIO

Pad Mounted Transformer

This series of pad mounted transformers offers a secure and space-saving solution for outdoor power distribution. Available in both single-phase and three-phase configurations, it is designed for reliable service in residential areas, commercial complexes, and light industrial sites.

Compact Design

The compact enclosure has a small footprint. This makes it ideal for installations with limited space.

Enhanced Safety

A tamper-resistant and lockable cabinet protects internal components. It prevents unauthorized access and ensures safety for the public and operators.

Weather Resistance

The robust enclosure has corrosion protection. It withstands harsh outdoor conditions for long-term use.

Easy Maintenance

The design allows straightforward inspection and maintenance. Service access is simple when needed.





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Pole Mounted Transformer

This series of pole mounted transformers is designed for overhead distribution lines. It provides a practical solution for rural, suburban, and light commercial power supply. The compact and lightweight structure allows for easy installation on utility poles.

Lightweight Design

The transformer has a compact and lightweight body. This simplifies handling and installation on poles.

Low Maintenance

The sealed tank and simple structure reduce service needs. Routine checks are straightforward and fast.

Space Efficient

The unit mounts directly on poles. It requires no extra ground space or foundation.

Cost Effective

The simple design and easy installation lower overall project costs. It is a budget-friendly choice for line extensions.





Oil Immersed Transformer

This series of oil immersed transformers delivers reliable performance with long-term value. These units meet modern efficiency standards and suit industrial, commercial, and utility applications worldwide.

Energy Saving

High-efficiency design reduces no-load and load losses. This results in clear electricity savings over the transformer's lifespan.

Low Maintenance

The fully sealed tank prevents leakage and resists environmental factors. This design ensures stable operation with less downtime.

Easy Installation

Choose from wall-mounted, pad-mounted, or pole-mounted configurations. Each option adapts to different site layouts and space limits.

Safety Assured

Standard safety features include pressure relief valves and temperature gauges. Optional monitoring systems support early fault detection.





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Dry Type Transformer

This series of dry type transformers uses air as the cooling and insulation medium. It is a safe and reliable choice for installations where fire safety and environmental protection are priorities. These transformers suit a wide range of indoor and sensitive environments.

High Safety

The design has no flammable liquid. This eliminates the risk of fire and oil leakage.

Low Maintenance

The sealed and robust construction requires minimal upkeep. It operates reliably in various conditions.

Environmental Friendly

The transformer uses no oil. This avoids soil contamination and simplifies disposal.

Easy Installation

The compact and lightweight design allows flexible placement. It fits well in confined indoor spaces.





Compact Substation

This series of prefabricated substations provides a complete and turnkey power solution. All major components are pre-assembled in a factory-tested enclosure. This design ensures fast installation, reliable operation, and significant savings on site construction time and cost.

Fast Installation

The substation arrives as a fully integrated unit. It requires only foundation work and cable connections on site.

High Reliability

Factory assembly ensures strict quality control and comprehensive testing. This results in stable performance from the first day of operation.

Space Saving

The compact layout integrates transformer, switchgear, and control systems. It optimizes the use of valuable space.

Reduced Site Work

Prefabrication minimizes civil work and on-site labor. This lowers total project cost and accelerates the commissioning schedule.





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Switchgear

This series of switchgears provides secure and efficient power distribution and protection. Designed for both indoor and outdoor use, it ensures the safe operation of electrical circuits in commercial, industrial, and utility applications.

Operational Safety

The design includes strong arc-fault protection and secure interlock mechanisms. This protects both personnel and equipment.

High Reliability

Robust construction and quality components ensure stable performance. The gear maintains operation in diverse environmental conditions.

Easy Maintenance

Modular design allows for quick inspection and part replacement. This reduces system downtime.

Flexible Configuration

The switchgear can be customized with various breakers and monitoring options. It adapts to specific project needs.





VISION

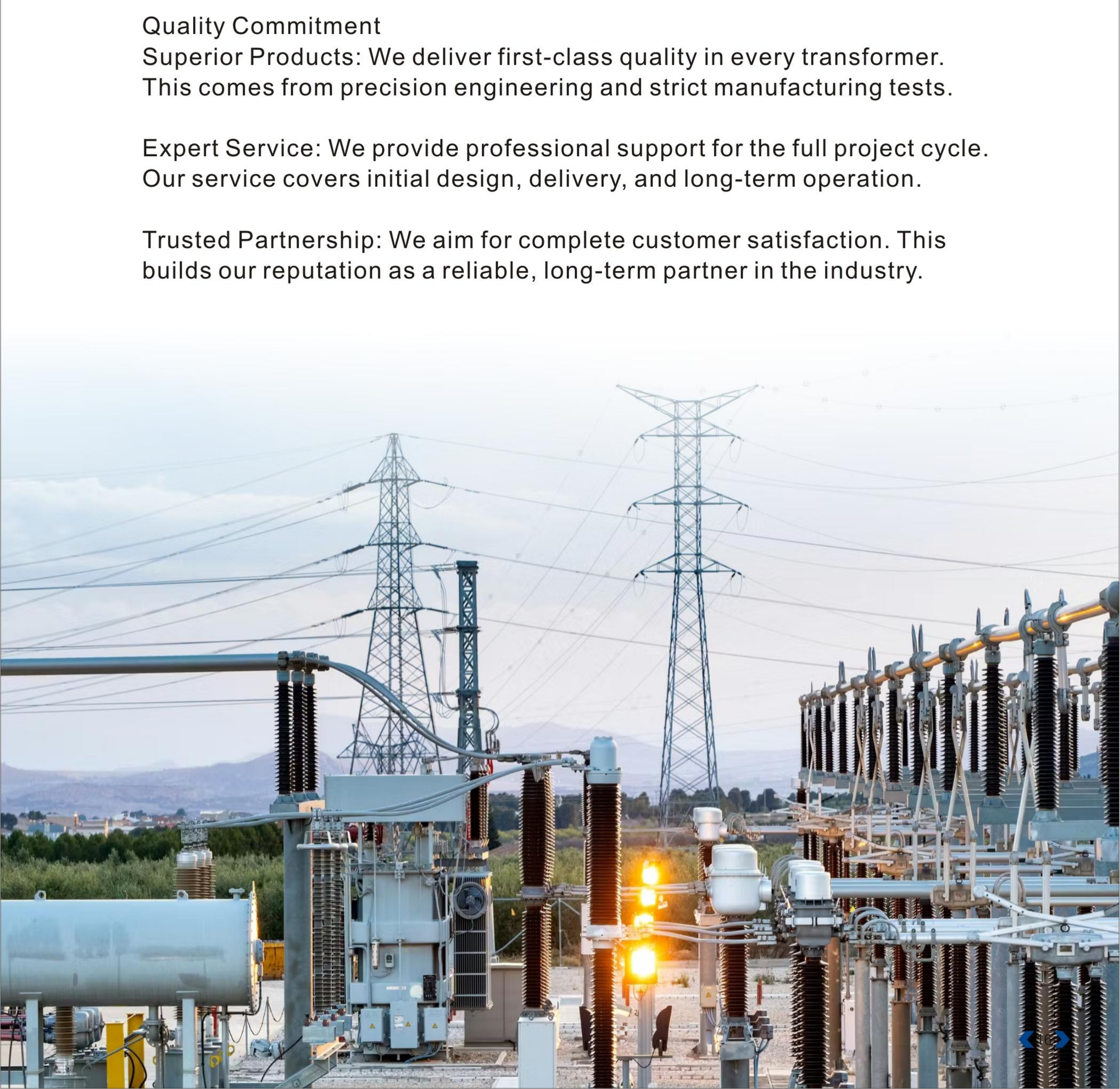
Focused on the Future, Dedicated to Excellence

We look ahead to understand the evolving needs of our customers and society. Our commitment is to create robust and reliable solutions that power essential infrastructure and enable progress across communities and industries.

Quality Commitment
Superior Products: We deliver first-class quality in every transformer. This comes from precision engineering and strict manufacturing tests.

Expert Service: We provide professional support for the full project cycle. Our service covers initial design, delivery, and long-term operation.

Trusted Partnership: We aim for complete customer satisfaction. This builds our reputation as a reliable, long-term partner in the industry.



OUR PARTNERSHIP DELIVERS
MAXIMUM SUPPORT FOR SHARED SUCCESS.

CONTACT US

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