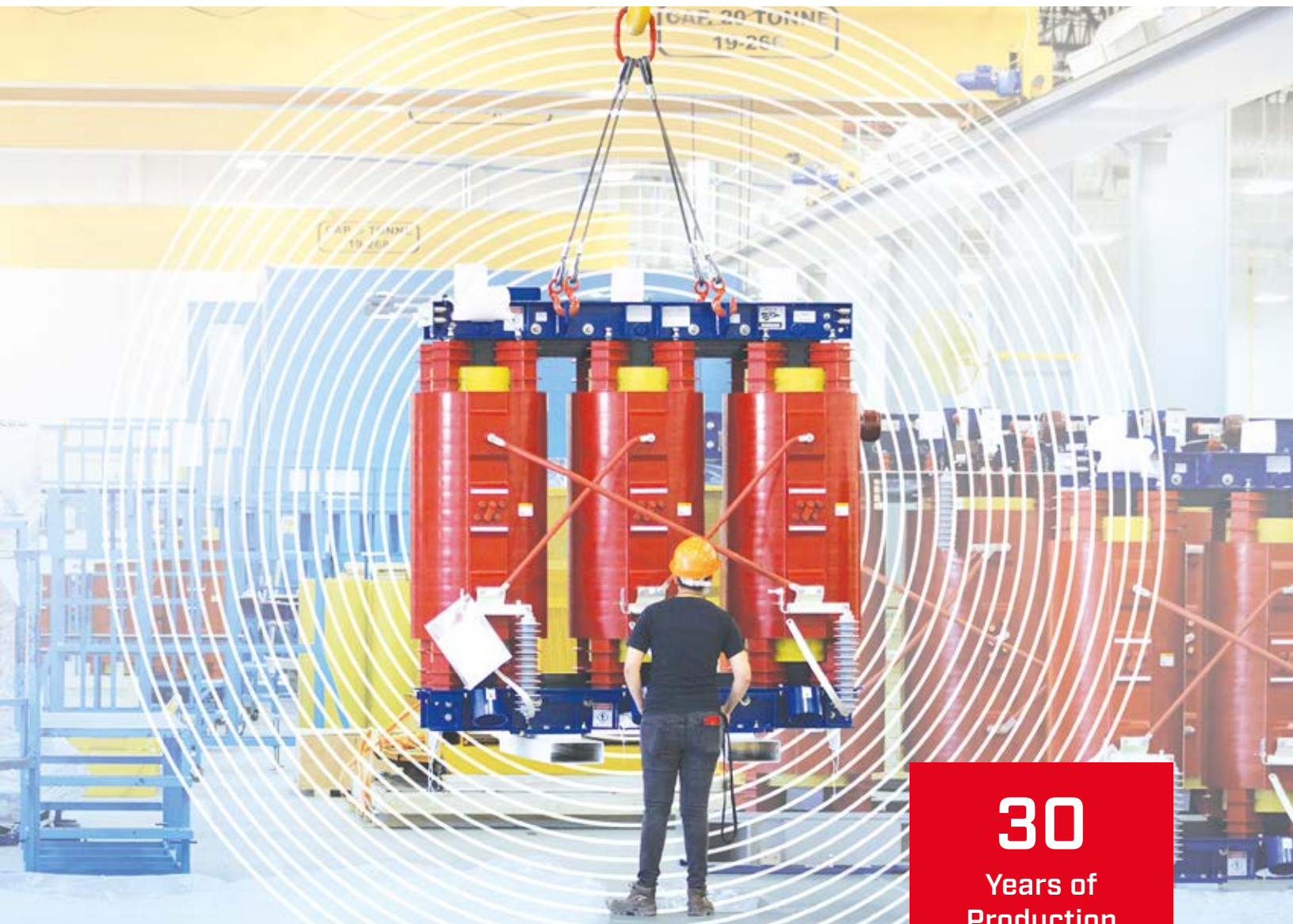




**POWER
EQUIPMENT**

Transformers and Switchgear

Your Partner for all Things Power



30

Years of
Production
and Operating
Experience



30

Years of Production
and Operating Experience



80+

Countries with
JST Products



3,000+

Employees worldwide



150,000+

Installed Transformers



1,800+

Unit Substations



9,000+

Switch Panels



7

Manufacturing Plants
worldwide

Tradition and Innovation

We are a Solutions Innovator at the Cutting Edge of Power Technology

Our work does not end there: at JST we see our responsibility in developing products with a low environmental impact.

To help the energy sector achieve climate neutrality throughout the value chain by 2050 we continuously improve our products and seek an open dialogue with our customers and suppliers in setting actionable sustainability targets.

Eugenia Jing

Managing director and owner

Your Benefits – in a Nutshell:

- Customer service: when you need and where you need it
- Dedicated planning and engineering
- Industry-leading delivery times
- Quality, awarded and appreciated by our customers
- In capable hands: end-to-end project management and after sales service

JST Power – Innovative Energy Technology

Growing Locations across Continents

JST started in 1993 in Haikou, China, under the name “Jinpan Special Transformers” as a highly specialized manufacturer of technically valuable and environmentally friendly power engineering products. From our beginnings as a manufacturer of cast resin dry-type transformers to the development of complex medium-voltage switchgear or compact stations, our focus has always been on growth and customer orientation. Today, we serve our customers worldwide from our locations in the USA, Mexico, China and Europe.





Products



Cast Resin Dry-Type Transformers

with an output of 100 kVA to 45 MVA cover the voltage range from 600 V to 38 kV.



VPI Dry-Type Transformers

are an excellent alternative for environmentally friendly and ecologically driven requirements in a power range up to 14.5 MVA and overvoltage up to 38 kV.



Substation Power Transformers

with ratings up to 138 kV and 60 MVA ONAN for use in substations and switchyards.



Pad Mount Transformers

Available in both single phase and three phase versions. With single phase ratings up to 250 kVA and 5,000 kVA for three phase applications.



Gas-insulated Switchgear

Gas-insulated switchgear SF₆-insulated (sulphur hexafluoride) as standard and with alternative insulating gases in development. JST switchgear is suitable for operating voltages of up to 72 kV, short-circuit currents of 31.5 kA and a busbar current of up to 2,500 A.



Unit Substations

All our products, from the medium-voltage switchgear to the transformer to the station body, combined from a single source. In addition to low-voltage technology and main distribution, ventilation and air conditioning technology, more complex purchased parts such as inverters and battery systems are also conceivable. Here we make use of established manufacturers.



Components and Assemblies

As a system manufacturer, we can draw on a particularly high level of vertical integration. For you, this means calculable delivery times without compromising on quality. We manufacture our coils and iron cores ourselves and also have our own sheet metal construction and electrical installation facilities.



Unit Substations

Our unit substations provide comprehensive coverage from medium to low voltage requirements. Manufactured in-house, they include essential components such as transformers and switchgear, alongside control and protection technology, measuring systems, and monitoring capabilities.

With practical advantages such as a small footprint, flexibility for relocation, predictable investment costs, and a discreet appearance, our modular systems are well-suited for various applications. These range from industrial and construction site power supply to supporting renewable energy generation in wind and solar, as well as public power supply or mining operations.

Production and Delivery

- Our prefabricated and tested systems are manufactured in the factory and meet the highest quality standards.

Handling and Transportation

- Thanks to standardized ISO container dimensions and interfaces in sheet metal construction, handling and transport are significantly simplified.

Lead and Installation Time

- A large part of the commissioning takes place in advance, which reduces the risks on site.

Reliable Technology from a single Source

- With a proven track record thanks to JST transformers and switchgear – from our own production.





Transformers

Dry-type and oil-filled transformers each offer unique features and advantages. Depending on the requirements profile in your application case, we will find one or more starting points.

Dry-Type Transformers

Higher performance with better electrical properties:

- No environmental risks as with liquid-filled transformers
- No need for an oil drip tray
- Easy maintenance and servicing
- Cooling operation at higher outputs through fans and cooling ducts
- Robust structure to prevent damage from electrical faults



Oil-filled Transformers

From proven technology in pad mounts to larger substation applications:

- High-quality production materials and solid workmanship
- Wide product range: at distribution level 50 – 3,150 kVA or as substation power transformers up to 45 MVA
- Optional use of special cooling/insulating agents (e.g. MIDELO) for increased environmental and fire protection requirements

The JST Performance Promise

It doesn't matter which option you choose. We promise you:

- expert support and advice from a single source,
- efficient and reliable solutions for tailored requirements,
- complete service from production to delivery and
- support during and after commissioning from a network of expert service partners.





Gas-insulated Switchgear

Reliable and easy: Our gas-insulated switchgear is engineered for quality and built to last.

We offer a robust and compact medium-voltage solution that uses SF₆ gas as an insulating medium. It is available in many system configurations for use in primary distribution applications up to 38 kV, 2,500 A and 31.5 kA.

We have a range of products in our portfolio for substations or in secondary distribution, among other wide areas of use.

- J10X and J20X: The SF₆-insulated products currently cover the voltage range from 10 to 38 kV.
- J10N: With nitrogen as the insulating medium offers J10N a practical and environmentally friendly alternative for lower medium voltage levels.



Our History

1993

“Jinpan Special Transformers” is founded in the Haikou Special Economic Zone, China.

1997

ISO certification and international quality management.

1998

First IPO and international orientation of the company. “Special Transformers” becomes “Smart Technology” – JST.

2000

ISO 14001 certification, the introduction of holistic environmental management and a focus on sustainability.

2004

General Electric (GE), now GE Vernova, presents JST with the award for outstanding product quality.

2007

JST products are listed in North America in UL 1562 and thus fulfill independently confirmed and proven quality and safety requirements.

2009

The US branch in Carlstadt, New Jersey, grows and further production plants in Asia go into operation.

2023

Digital plant for dry type transformers, energy storage equipment and wind power transformers opens in Wuhan, China.

2020

The North American headquarters in greater Orlando, USA, is opened. This is followed by a significant expansion of the development center in the USA and in-house switchgear production.

2019

The first North American manufacturing plant for transformers goes into operation in Nogales, Mexico.

2016

As the company is growing faster than the share index, a share buyback is carried out and JST is fully owner-managed. A subsequent (new) issue of shares leaves the majority of the shares with the company founders.

Our Business Areas

Safe, reliable and simple: JST products are at home in many industrial segments:

- Renewable energies
- Public energy supply
- Manufacturing industry
- Commercial infrastructure
- Rail and transportation systems
- Data centers

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Online, quick and easy – scan the QR code now,
select product, delivery time and availability.



Where you can find us



Orlando USA



Frankfurt Germany



Haikou China



Shanghai China



Wuhan China



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