

Kyte Powertech

Distribution Transformers

Transforming the world of energy, every day



A company of R&S

An aerial photograph of a wind farm situated in a hilly, rural landscape. The terrain is a mix of brownish-yellow grass and green patches. A winding road snakes through the hills, and a dense forest of evergreen trees is visible in the middle ground. Several white wind turbines are scattered across the hills, with more visible in the distance under a cloudy sky.

Our unwavering commitment to excellence in design, production, and service sets us apart and makes us a trusted leader in the industry.



Our History.

Our journey began in 1977 when Belgian company Pauwels Trafo established operations in Cavan, marking the arrival of a major industry in the region. By 1978, we produced our first transformer, quickly becoming a local employment cornerstone. Despite economic challenges, we continued to grow and expand globally.

Key milestones included the introduction of single-phase transformer production in the 1980s, the completion of a major factory expansion in 1997, and the production of our 200,000th transformer in the early 2000s. In 2020, we became Kyte Powertech, transitioning to Irish ownership through a management buyout.

In 2024, we joined the R&S Group, strengthening our leading market position and broadening our footprint across Ireland, the UK, and Western Europe. Today, as Cavan's largest private employer, we are proud to contribute significantly to the local economy, driven by the quality of our people and products.



About Us.

At Kyte Powertech, we take pride in delivering a collaborative customer experience, tailoring our services to meet and exceed individual needs. Specialising in bespoke products enhanced by unique storage solutions and dedicated service offerings, we provide a personalised package designed to ensure customer satisfaction at every step.

A robust supply chain network, including in-house design engineers, expert logistics teams, advanced metal fabrication facilities, and customer-focused project management, supports our operations. This comprehensive infrastructure streamlines procurement and delivery, ensuring a smooth and stress-free process from start to finish.

With 47 years of experience and long-standing partnerships with trusted raw material suppliers, we guarantee exceptional quality, innovative solutions, on-time delivery, and cost-effectiveness. Our unwavering commitment to excellence in design, production, and service sets us apart and makes us a trusted leader in the industry.

Our Guiding Principles.

We combine nearly half a century of expertise in Distribution Transformers with a relentless drive for innovation. Guided by integrity, trust, and respect, we deliver cutting-edge solutions tailored to our customers' evolving needs. Our focus on collaboration and dynamic thinking ensures we stay ahead of industry shifts while fostering long-term partnerships built on loyalty and transparency.

With our customers at the heart of everything we do, we listen, adapt, and deliver with precision and care. This commitment and our supportive workplace culture empower our people to thrive and ensure our products and services consistently exceed expectations.



Rhyl Flats, Liverpool Bay 25-turbine, 90-megawatt wind farm

Kyte Powertech proudly delivered transformers for the Rhyl Flats Offshore Windfarm, tailored to meet the challenges of marine environments. These advanced units reduce losses, handle harmonics up to a K factor of 4, and feature optimized cooling and extended lifespan technologies, supporting sustainable energy generation.

Our Products.

With nearly 50 years of expertise in distribution transformers, our product range embodies precision engineering and advanced manufacturing excellence. Designed to meet diverse energy demands, our solutions enhance efficiency, minimise energy loss, and optimise performance, delivering reliable and innovative power solutions tailored to your needs.



Single Phase

Voltage & Capacity: Rated up to 400kVA, up to 36kV.

Applications: Ideal for suburban and rural electricity distribution via single-phase overhead lines.

Key Features: Durable design with optional steepwave technology for enhanced lightning protection.

Market Focus: Built for efficiency and reliability in challenging conditions.

Three Phase

Voltage & Capacity: Rated from 25kVA to 10MVA, up to 72.5kV.

Applications: Serves industrial, renewables, and UK Distribution Network Operators (DNOs).

Key Features: Reliable performance, tailored to specific application needs.

Market Expertise: Extensive experience in various European markets, delivering thousands annually.



Package Substations

Voltage & Capacity: Rated from 50kVA to 3150kVA, primary voltages from 6kV to 36kV, and low voltages down to 400V.

Applications: Ideal for load growth areas, offering a compact and efficient alternative to traditional substations.

Key Features: Cost-efficient with optimized total cost of ownership (TCO), optional environmentally friendly bio-fluid, rapid installation, and a reduced footprint. The substation includes recloser, SCADA, and transformer ON/OFF switch, and is available with DETC or OLTC tap changers. It also exceeds public safety standards.



Pad Mount Transformers

Voltage & Capacity: Rated up to 10MVA.

Applications: Ideal for utility and industrial markets, designed for high reliability in radial or loop feed grid configurations.

Key Features: Cost-effective, environment-friendly, and designed for quick installation. These transformers include a transformer ON/OFF switch, feature a 65°C average winding rise, and incorporate a unique step-stacked core and obround coil design. They exceed public safety standards, ensuring reliable and safe operation.

Our Products.



Amorphous Core Transformers (AMT)

Voltage & Capacity: Rated from 50kVA to 3150kVA.

Applications: Ideal for energy-efficient grid applications, providing lower energy losses and higher recyclability.

Key Features: CO2 reduction through very low losses, recyclable material, and optional environmentally friendly bio-fluid. These transformers offer significant energy savings and feature a tailored-made design to suit specific needs.

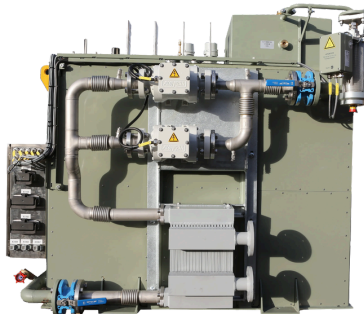


Three-Phase UK Specification Transformers

Voltage & Capacity: Rated from 50kVA to 10MVA.

Applications: Designed for the UK industrial and renewables sectors, tailored to Distribution Network Operators.

Key Features: Compact, lightweight, and customizable with options like off-circuit tap changers, arcing horns, lightning arresters, and integrated fuses. Environmentally friendly bio-fluid option available.



Special Transformers

Voltage & Capacity: Custom-built on request.

Applications: Tailored solutions for unique electrical and mechanical requirements across various industries.

Key Features: Cost-efficient with optimized total cost of ownership (TCO), built-to-order designs, low noise, and low loss. These transformers feature a small footprint and are designed for easy transport with minimal field service. Available with DETC/OLTC and optional environmentally friendly bio-fluid.

Special Transformer Types:

- Dual voltage transformers
- Amorphous metal distribution transformers (AMDT)
- Compact substations
- Auto-transformers
- Rectifier transformers
- Converter Transformers
- Generator transformers
- Earthing transformers
- Phase shifters
- Scott and tri-mono transformers
- Transformers with special cable boxes (air or oil-filled)
- Transformers with forced cooling (fans/heat exchangers)
- Transformers with integrated protection (fuses)
- COMPACT and Bio-COMPACT high-temperature transformers

Our Facility.

Our 17,500 sqm manufacturing facility in County Cavan, Ireland, is fully equipped to manage every phase of transformer production.

In the Metal Parts section, we handle tank fabrication, welding, shot blasting, leak testing, and painting, using traditional and robotic methods for exceptional quality.

The Core Building, Winding, and Internal Assembly areas are fitted with advanced technology to ensure precision in lamination stacking and optimal winding. Our sophisticated machinery, including dynamic tension control, guarantees reliable and efficient transformer performance.

The Transformer Processing, Final Assembly, and Testing section conducts comprehensive routine and type tests to verify product reliability and safety. The self-managed store's facility ensures seamless material supply and efficient stock management. At the same time, our expansive storage capacity enables us to quickly handle transformers of various sizes, ready for rapid delivery.

This integrated approach ensures that every product leaving our plant meets the highest quality and performance standards.

This comprehensive setup highlights our commitment to quality, innovation, safety, and environmental stewardship. At Kyte Powertech, we embody industry-leading engineering and sustainable manufacturing, dedicated to precision and customer satisfaction.



Kyte Powertech ships to customers in 24 countries worldwide, showcasing the quality and reliability of our products. As we continue to expand our global presence in partnership with **The R&S Group**, our commitment to excellence and innovation remains unwavering.



Market Sectors.

We are a leader in advanced transformer solutions, delivering expertise and innovation to diverse energy markets worldwide.

For utilities, we enhance the reliability and efficiency of power distribution, ensuring a consistent and resilient energy supply. In renewable energy, our specialised transformers are designed for the unique demands of solar, wind, tidal, and biomass applications, enabling seamless integration of clean power generation.

We also support industrial operations – including critical healthcare facilities and commercial sites – with solutions that guarantee continuous, dependable performance. Beyond these sectors, our transformers power essential infrastructure such as airports (from lighting to navigation systems) and meet the growing needs of the electric vehicle market through advanced charging infrastructure solutions.

For high-stakes environments, we provide tailored transformers for battery energy storage systems (BESS) to support grid flexibility and stability, compliant solutions for the nuclear sector, and robust designs proven in the challenging conditions of the oil and gas industry.

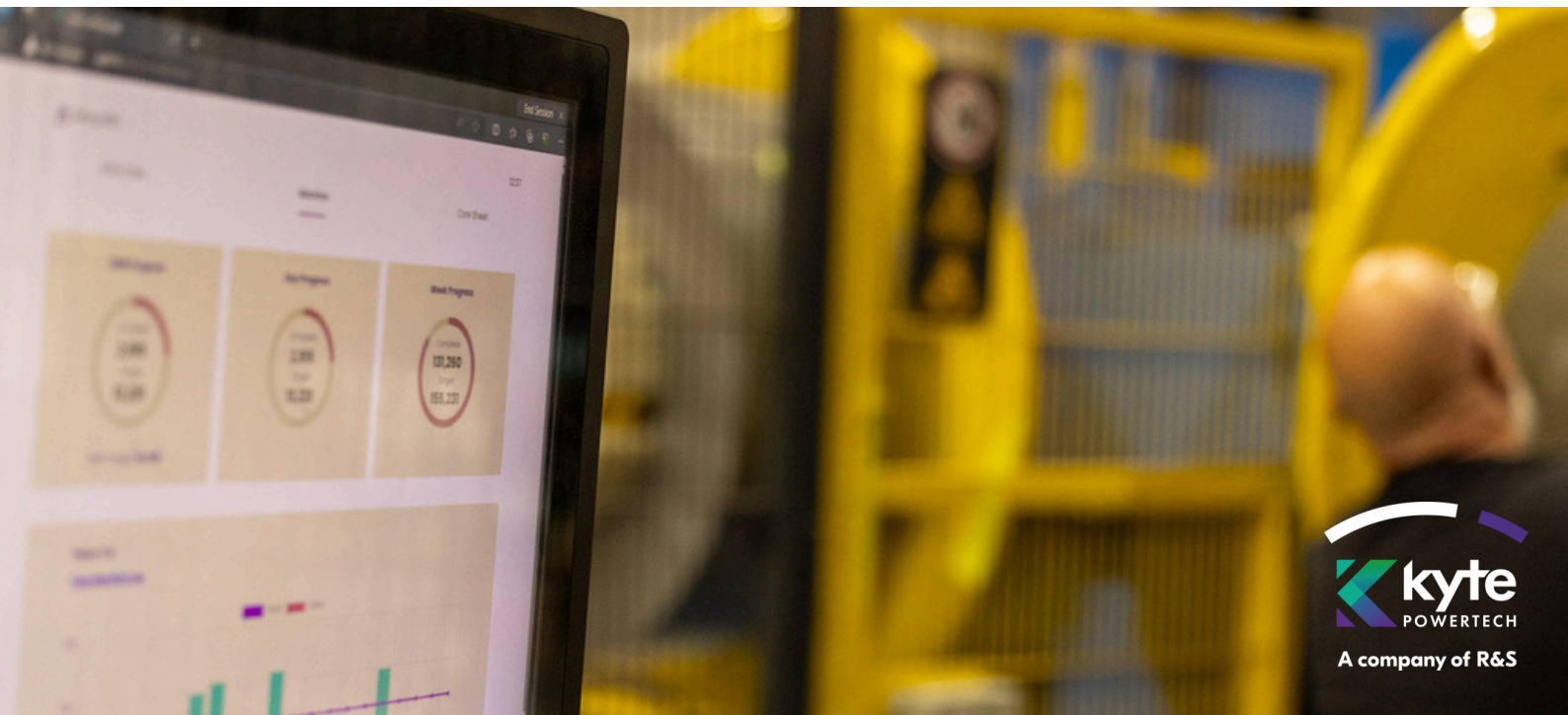
Working closely with trusted logistics partners, we ensure precise, on-time delivery anywhere in the world. Our comprehensive service and maintenance programmes go beyond supply, maximising the longevity and optimal performance of every transformer we deliver.

Our Certifications.

At Kyte Powertech, our certifications embody our commitment to delivering excellence in every aspect of our operations. They reflect the values guiding us—ensuring safety, quality, sustainability, and trustworthiness in our products and services. Striving for these certifications is not simply about meeting standards; it is about continuously improving to exceed our clients' expectations, industry, and planet.

Our drive to achieve and maintain these certifications underscores our belief in accountability and innovation as the foundation for reliable energy solutions. From rigorous in-house testing to transparent sustainability practices, we aim to inspire confidence and foster trust in all we do.

Our accomplishments include ISO 17025 certification for our test laboratory, Carbon Net Zero status for mandatory emissions in 2023, and a Silver Ecovadis rating, alongside certifications in quality (ISO 9001), health and safety (ISO 45001), environmental management (ISO 14001), and energy management (ISO 50001). We are also Repak Certified, demonstrating our commitment to comply with Irish and EU packaging regulations to reduce and recycle packaging waste. These achievements are milestones in our ongoing journey to lead with integrity and drive progress in sustainable energy.



Our Sustainability Promise.

At Kyte Powertech, sustainability drives our strategy. We reduce our carbon footprint, manage waste responsibly, and prioritise ethical sourcing, reflecting our commitment to environmental stewardship. We also champion social responsibility through workplace diversity, community support, and ambitious goals for a sustainable future.



Sustainable procurement

We partner with suppliers who share our sustainability values, promoting eco-friendly practices, ethical labour standards, and transparent business operations.



Community Collaboration

Kyte Powertech is committed to supporting the community through local charities, educational initiatives, and sports programs, promoting inclusivity and giving back.



Digital Transformation

We are embracing digitalisation to improve efficiency and customer service, reduce our ecological footprint, and ensure data security and privacy for our clients.



Environmental Impact and GHG Management

Kyte Powertech reduces its environmental impact by aligning with climate targets and the Global GHG Protocol, ensuring transparency, accountability, and sustainability.



Carbon Net Zero Certified

Kyte Powertech is certified Carbon Net Zero for all mandatory emissions, including Scope 1, 2, and 3 for 2023, showcasing our commitment to sustainability and verified environmental responsibility.

We are committed to ensuring that Kyte Powertech operates responsibly and ethically wherever we do business. We believe that we are accountable for our own actions and their impact on our business, our employees, and our planet.





**BIG
CONNECTIONS**

Our Commitment to Community

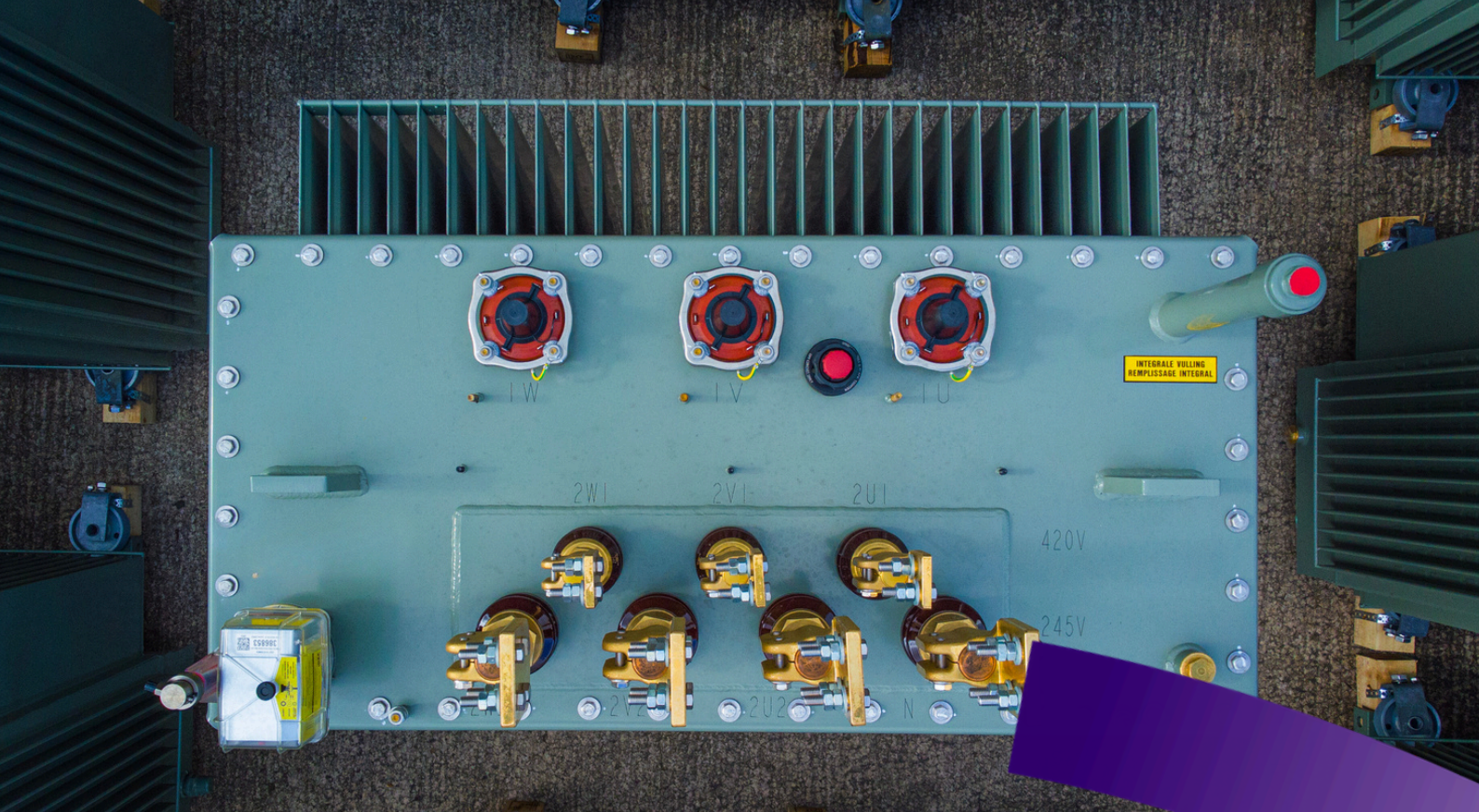
At Kyte Powertech, we go beyond delivering top-tier products, striving to make a meaningful impact on individuals and communities. Through initiatives that enhance social well-being, promote active lifestyles, and enrich cultural experiences, we aim to foster an inclusive society where everyone can thrive.

We proudly support local teams, including GAA, LGFA, Rugby, and local basketball teams. We also support the All-Stars Programme, which enables children with additional needs to enjoy GAA. Our involvement promotes unity, healthier lifestyles, and stronger community bonds.

We offer English language training to support our diverse workforce and enhance communication, collaboration, and professional development in our multicultural environment.

Our outreach programs educate children about sustainability, while the Kyte Powertech Scholarship in Science, Engineering, and Business supports the next generation of leaders and innovators.

We address education, healthcare, poverty, and environmental sustainability through partnerships with local charities and organisations, creating long-term resilience and prosperity. At Kyte Powertech, we are committed to being a community partner for lasting positive change.



R&S Group.

Kyte Powertech is part of the Swiss-based R&S International Holding. R&S Group is a leading provider in selected niches for power products. With manufacturing facilities and offices in Europe, South America, and the Middle East and a global partner network, R&S offers distribution and power transformers, switching devices, specific products for railway electrification, and industrial electrical connectors.



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Distribution Transformers



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Distribution transformers
Railway switches
High current connectors



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Power Transformers

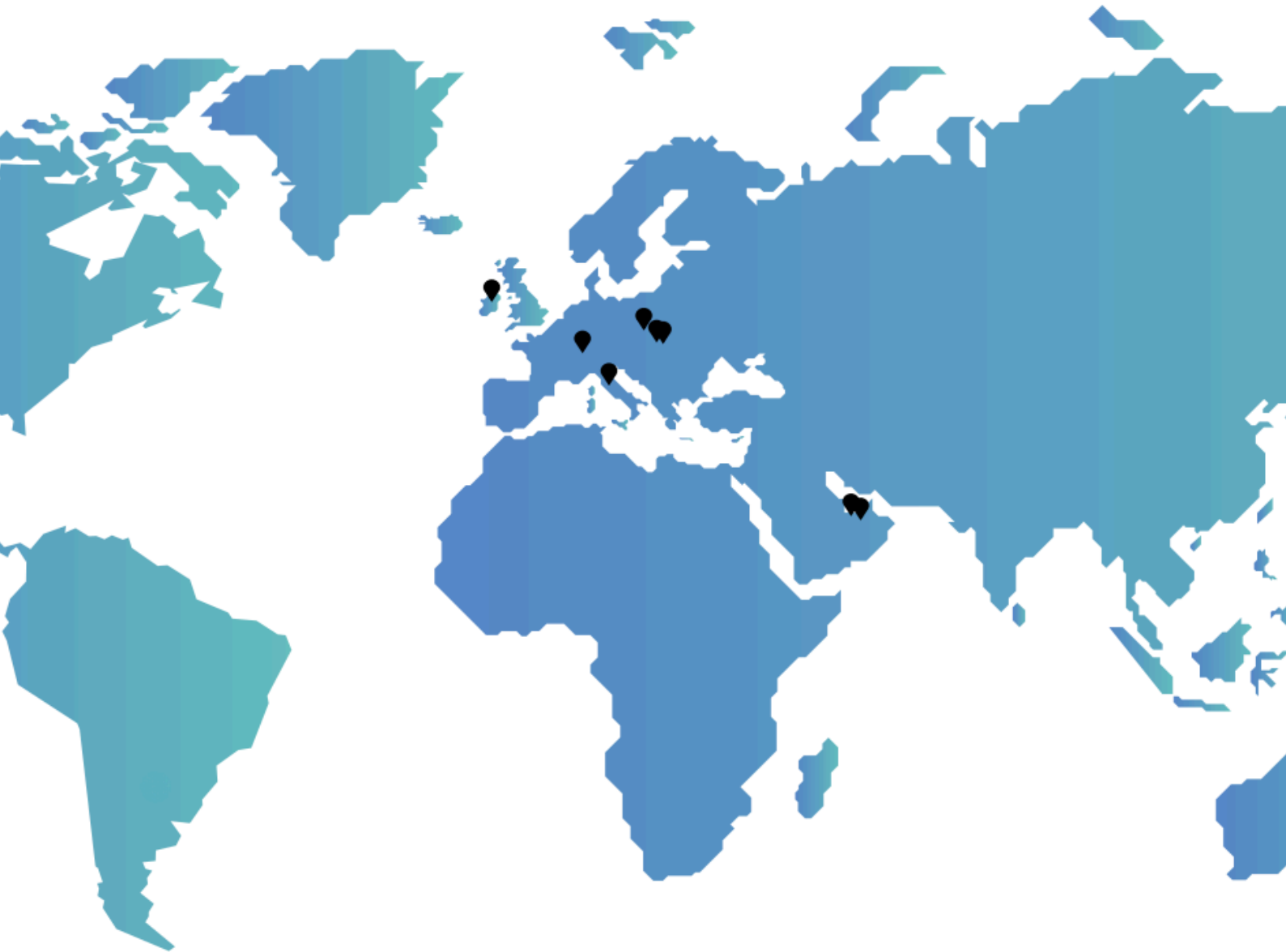


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Cast resin transformers
Distribution transformers
Instrument transformers



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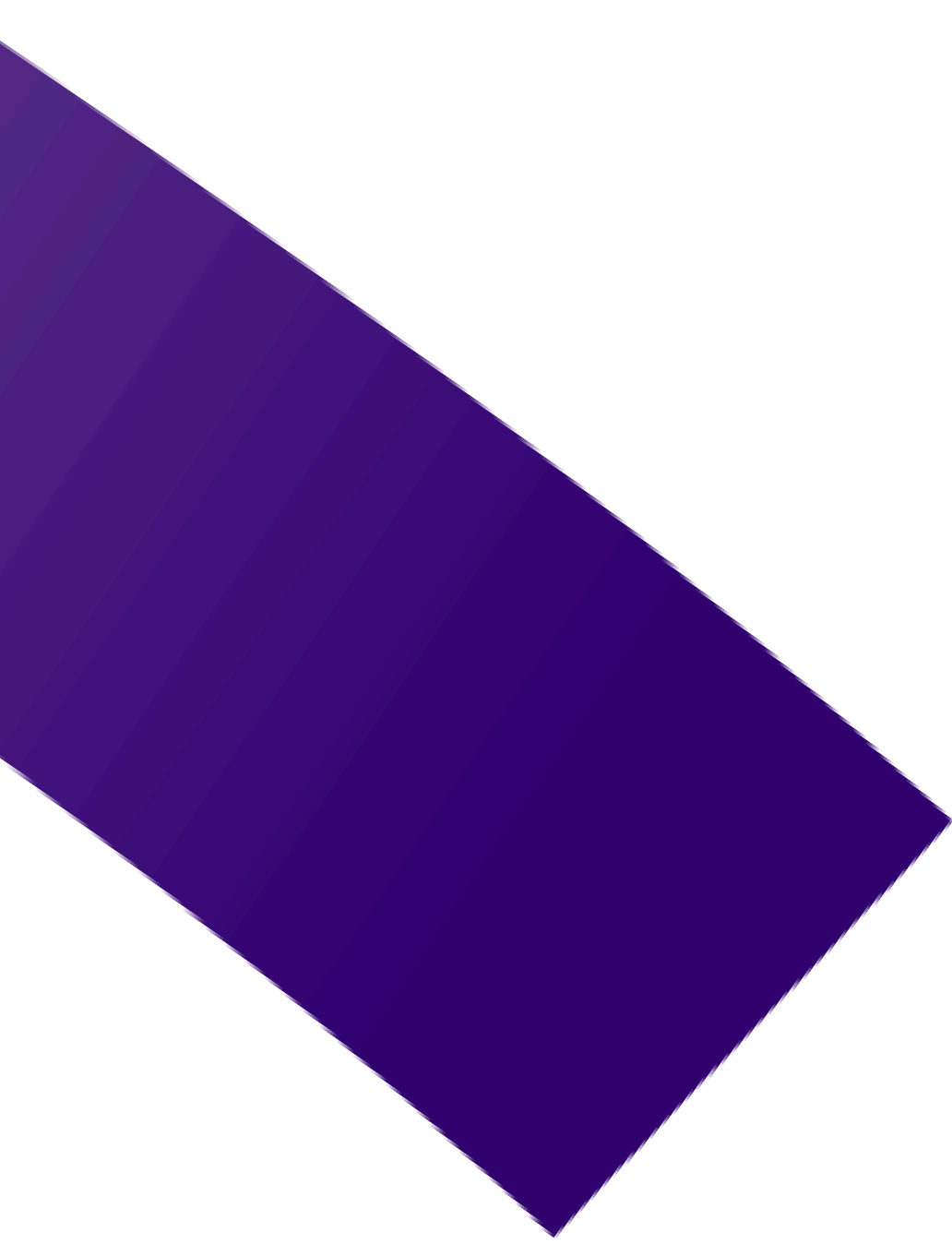
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