DISTRIBUTOR LINE CARD

Data center solutions
Power in Partnership

Product type	Picture	Offering	Load types: IT	Load types: Mechanical	Procurement process: Owner furnished, contractor installed (OFCI)	Procurement process: Contractor furnished, contractor installed (CFCI)	Benefits	Cycle
SWITCHBOARDS AND PANELBOARDS								
Switchboards		ReliaGear® SB – Engineered	●	●	●	●	• Features a safer, more reliable design and groundbreaking SACE® Emax 2 power circuit breakers and SACE® Tmax® XT plug-in molded case circuit breakers • Dramatically saves time, labor and cost while helping ensure greater energy efficiency and reliability • Enhanced safety with IP20 bus stack and main lug covers • Expanded feature set with Ekip Touch/Hi-Touch trip units for power quality metering up to 1% system accuracy • More than 1 million configurations • Optimized designs to reduce footprint	Engineered
		ReliaGear® SB – EXcelerate	●	●	●	●	• Configured-to-order switchboard with fast lead times • More than 6000+ configurations available • Up to 4000 A, 600 V AC, 65 or 100 kAIC • NEMA 1 or 3R enclosures • Utility sections available • Power quality metering 2% system accuracy with Ekip Touch	Configured
Panelboards		ReliaGear® lighting panelboard	●	●		●	• Advanced electronic trip units within compact frames • Increased amperages and sub-feed circuit count • Thousands of configurations and optional embedded surge protective devices, main metering or branch circuit metering • Extruded split neutrals to simplify wiring and improve speed • RGM40 revenue-grade meter available	Configured
		ProLine panelboard	●	●	●	●	• Pluggable branch breakers are designed with a separate electrical and non-energized mechanical bolt-on connection • Captive screws on ProLine's PLU700M MCBs improve worker comfort and safety, while their current-limiting technology keeps your full panelboard safe • Insulating resin and encased busbars provide improved stability to the overall panelboard assembly and keep conductive surfaces out of reach	Configured
		ReliaGear® neXT power panelboard	●	●		●	• Enhanced safety with IP20 bus stack and main lug covers • Features award-winning plug-in Tmax® XT circuit breaker assemblies designed for improved density and fast installation and replacement • Advanced breaker trip units with communications and metering • Modular design allows for more flexibility to modify or upgrade panels over time • Factory-assembled branch circuit monitoring • RGM40 revenue-grade power quality meter available	Quick order
		ReliaGear® merchandised neXT SuperBox power panelboard	●	●		●	• Readily available for projects requiring quick turnaround • A preassembled combination of ReliaGear® neXT power panelboard components for immediate installation • Promptly replenish from distributor stock for uninterrupted operations • Single-SKU ordering for ease and convenience	Stockable

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LOW VOLTAGE SWITCHGEAR								
Low voltage switchgear		**ReliaGear® LV SG**	●	●	●	●	• The ReliaGear® LV SG low voltage switchgear platform incorporates the latest in switchgear technology, such as the SACE® Emax 2 air circuit breakers, and offers a variety of ratings to meet your most demanding needs • E6.2 provides a 5000 A natural ventilated configuration, and a forced ventilated 6000 A for maximum current usage • Features an optimized footprint that fits into a smaller area for the most common configurations • E1.2 Emax frame provides a 15-inch min. four-high stack width	Engineered
BUSWAY AND AUTOMATIC TRANSFER SWITCHES								
Busway		**ReliaGear® busway**	●	●	●	●	• Combines the benefits of the proven Spectra™ series busway, the sophisticated technology of the SACE® Tmax® XT circuit breaker and fused OT/OS switch in a plug-in unit (PTO) with SACE® Tmax® and Power Break® II circuit breakers • Features a sleek modern look • Custom-designed modular power distribution system available in both feeder and plug-in styles, up to 5000 A	Configured
Automatic transfer switches (ATS)		**TruONE open ATS**	●	●	●	●	• Enhanced reliability by ensuring continuous power supply • Proactively prevents outages through contact wear monitoring and temperature measurements • Simplified operations with all-in-one design, modular components and voltage-agnostic features	Stockable
		Zenith ZTS T-series ATS	●	●	●	●	• Easy installation, commissioning and maintenance • Enhanced safety features such as enclosed contacts and no line voltages at the door • Advanced connectivity to support multiple communication protocols for remote monitoring and management, seamlessly integrating with ABB Ability™ Energy and Asset Manager	Configured
MEDIUM VOLTAGE SWITCHGEAR								
Medium voltage switchgear		**Advance® air-insulated metal-clad switchgear**	●	●	●	●	• Designed and tested according to IEEE C37.20.2 • ABB's ANSI platform for 5, 15 and 27 kV metal-clad switchgear, featuring a narrow footprint • Designed with safety, reliability and durability in mind with galvanized steel construction, hem bending techniques and Delrin arc-quenching contacts • Available as digital switchgear and with SwitchgearMD™ 24x7 asset health monitoring for enhanced safety, simplicity by design and reduced operational costs	Engineered
		SafeGear® air-insulated arc-resistant metal-clad switchgear 5–15 kV	●	●	●	●	• Arc-resistant construction maximizes protection for equipment and personnel • SafeGear HD is the "high-duty" version of SafeGear, specifically designed for interruption and arc fault ratings of 63 kA • SafeGear and SafeGear HD both provide a solution for increased worker safety with enhanced reliability and ease of use and are available as digital switchgear and with 24x7 asset health monitoring, SwitchgearMD™ • The digital switchgear option offers enhanced safety, simplicity by design and reduced operational costs	Engineered
		BreakMaster™ LIS load interrupter switchgear	●	●	●	●	• Metal-enclosed load interrupter switch (LIS) provides dependable, economical load switching and protection for medium voltage circuit applications from 2.4 kV through 15 kV in 600 A or 1200 A load interrupting ratings • Used mainly as a primary or secondary disconnect switch for transformers • A variety of available configurations also make it useful for specific distribution needs	Engineered

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MEDIUM VOLTAGE SWITCHGEAR								
Medium voltage switchgear		**BreakMaster™ V LIS with vacuum circuit breaker**	●	●	●	●	• For facilities concerned with arc flash safety standards • Includes a vacuum circuit breaker instead of fuses • Provides reduced arc flash incident energy levels for customers on their existing medium voltage equipment	Engineered
LOW VOLTAGE TRANSFORMERS								
Low voltage transformers		**ReliaGear® XFMR dry type vented**		●	●	●	• Reliable performance with minimal maintenance • Meets DOE energy-efficiency standards, helping to save energy and money • Full width copper electrostatic shield available • K-Factor models have full width copper electrostatic shield • Noise Isolation Guard II™ with built-in electrical noise filters and spike/surge suppression • Harmonic Mitigating Guard III™ helps eliminate harmonics, improve power quality and save energy (heating) losses	Stockable
CIRCUIT BREAKERS								
Circuit breakers		**Molded case circuit breaker — THQL**	●	●	●	●	• Q-line plug-in circuit breakers are compact, at one-inch wide per pole • Certifications/standards: - Thermal-magnetic — UL 489 - GFCI 5 mA — UL 943 - GFCI 30 mA — UL 1053 - AFCI — UL 1699 • Designed for use in commercial lighting panel applications • Quick-make/quick-break mechanisms and common trip bar to help ensure safety and reliability • Thermal-magnetic circuit breakers can be ordered with auxiliary contact, shunt trip, switching neutral and are also suitable for use in HID (high-intensity discharge) applications • Available in 1-, 2- and 3-pole versions	Stockable
		Molded case circuit breaker — THQB	●	●	●	●	• Q-Line bolt-on circuit breakers are compact, at one-inch wide per pole • Certifications/standards: - Thermal-magnetic — UL 489 - GFCI 5 mA — UL 943 - GFCI 30 mA — UL 1053 - AFCI — UL 1699 • Designed for use in commercial lighting panel applications by bolting directly to the bus connection • Quick-make/quick-break mechanisms and common trip bar to help ensure safety and reliability • Thermal-magnetic circuit breakers can be ordered with auxiliary contact, shunt trip, switching neutral and are also suitable for use in HID (high-intensity discharge) applications • Optional load side ring terminals can be added to any thermal-magnetic bolt-on breaker using suffix RC • Available in 1-, 2- and 3-pole versions	Stockable

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CIRCUIT BREAKERS								
Circuit breakers		**Molded case circuit breaker — THQC**	●	●	●	●	• Q-line cable-in cable-out (lug-lug) circuit breakers are compact, at one-inch wide per pole • Certifications/standards: - Thermal-magnetic — UL 489 - GFCI 5 mA — UL 943 - GFCI 30 mA — UL 1053 - AFCI — UL 1699 • Designed for use in commercial and industrial panel applications • Quick-make/quick-break mechanisms and common trip bar to help ensure safety and reliability • Wide variety of terminal (lug) configurations available • Available in 1-, 2- and 3-pole versions • 1- and 2-pole 15–60 A circuit breakers are suitable for mounting on standard 35 mm DIN rail	Stockable
		Molded case circuit breakers — TEY	●	●	●	●	• Used in lighting panelboards • Dependable and effective thermal-magnetic trip units • Time-current curves designed for easy coordination with upstream main devices • 1-, 2- and 3-pole breakers in multiple short circuit tiers	Stockable
		Molded case circuit breakers — SACE® FORMULA	●	●	●	●	• IEC range consists of four frames (A0, A1, A2 and A3) that reach up 630 A • UL range consists of two frames, A1 and A2, that reach up to 100 A and 250 A respectively • Extremely compact size and coordinated depths for standardized dimensions and savings in distribution boards • Quick and easy selections with 1-, 2- and 3-pole versions of the circuit breakers make ordering easy • Fixed thresholds on trip units, pre-cabled version of accessories and FORMULA Link for quick installation	Stockable
		Molded case circuit breakers — SACE® Tmax® XT	●	●	●	●	• The SACE® Tmax® XT molded case circuit breaker (MCCB) range helps ensure extreme performance and protection features up to 1200 amps • Designed to maximize ease of use, integration and connectivity, and built to deliver safety, reliability and quality • Access, monitor and control information remotely, anywhere, at any time, improving efficiency and saving energy • Easy selection, one-fits-all accessories and intuitive design pave the way for smart manufacturing of panels and fast upgrades	Stockable
		Low voltage power circuit breakers — SACE® Emax 2	●	●	●	●	• Simplified integration into automation and energy management systems with eight communication protocols • Four frame sizes offer compact size and high performance • Smart, plug-and-play architecture makes SACE Emax 2 all-in-one easy to use • Platform able to evolve during the lifecycle via digital upgrades • Able to manage almost any grid condition thanks to advanced functions such as load shedding, power controller, embedded ATO, Synchrocheck logic, adaptive protection/ dual settings	Stockable

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CIRCUIT BREAKERS								
Circuit breakers		Miniature circuit breakers (MCBs)	●	●	●	●	• ABB, the inventor of miniature circuit breaker technology, offers the largest selection of current-limiting, compact, DIN-rail mounted MCBs for AC and DC applications • Thermal and magnetic trips are provided to cover both overcurrent and short-circuit faults • UL 489, UL 1077 and IEC • 0.2 to 100 A, up to 600 V AC/DC and 50 kA short circuit protection • Accessories include busbars, auxiliary and signal contacts, shunt trip, lock out/tag out and many more • Specialized MCB offerings include UL 489 SU200MR and UL 1077 ST200 MTR, both featuring ring tongue terminals to provide connection stability between the MCB and the DIN rail	Stockable
		Residual current devices (RCDs)	●	●	●	●	• RCDs are the safest device to detect and trip against electrical leakage currents, helping ensure protection against electric shock caused by indirect contacts • These devices must be used in series with a miniature circuit breaker (MCB) or fuse that protects them from the potentially damaging thermal and dynamic stresses of any overcurrent • AC, A, AP-R AS types available to ensure protection against all kinds of ground fault currents • Rated currents from 16 A up to 100 A • Rated IΔn sensitivity 10, 30 mA, 100 mA, 300 mA, 500 mA and 1 A	Stockable
		DIN-rail mount fuse holders	●	●	●	●	• ABB offers a wide range of DIN-rail mountable, UL approved IP20 fuse holders • They offer venting grooves and cooling chambers to improve heat dissipation, increasing durability and reliability • Ergonomic flip hinge makes fuse replacement easier in small spaces even while wearing gloves • All models offer blown-fuse indication • Class J — up to 60 A at 600 V AC/DC • Class CC — up to 30 A at 600 V AC/DC • Midget 10 x 38 mm — up to 32 A at 600 V AC/DC • Photovoltaic PV — up to 32 A at 1000 V DC and 1500 V DC	Stockable
SURGE PROTECTIVE DEVICES (SPD)								
SPDs		NEMA SPDs	●	●	●	●	• Designed to protect equipment from lightning, utility load switching, internal load switching and more • Suitable for use in hospitals, data centers, renewable energy, water treatment and other critical power applications • UL 1449 listed OVRH series offers SPDs for all applications and can help protect equipment from overcurrent and overvoltage • Replaceable modules offer long service life	Stockable
		DIN rail	●	●	●	●	• OVR series SPDs are type 4 UL 1449 5th edition recognized components • Offers 15 kA–40 kA surge ratings • Delivers effective protection to help mitigate damage to sensitive electronic equipment from transient surges • OVR DIN rail series SPDs are ideal for use in AC or DC OEM applications	Stockable
		Data line	●	●		●	• OVR data/signal range of UL 497B listed SPDs are designed to protect sensitive electronic equipment and reduce costly downtime against the damaging effects of surges caused by lightning, load switching and more • The full range of OVR data/signal SPDs provides repeatable data and signal protection • They complement the OVR power SPD products to offer a complete system protection solution (power and data) against surges	Stockable

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SURGE PROTECTIVE DEVICES (SPD)								
SPDs		OVRHTP	●	●	●	●	• A cost-effective solution designed for UL panel builders and original equipment manufacturers (OEMs) to help protect against utility power anomalies and lightning-induced transient surge conditions • Compact and advanced design features thermally protected MOVs to eliminate overvoltage, safeguarding equipment and capital investments	Stockable
		TPHE series	●	●	●	●	• Shield sensitive electronic equipment against the damaging effects of transients • Protects against transient surges caused by lightning, utility load switching, internal load switching and more	Stockable
		TPME series	●	●	●	●	• Ideal for mid-level distribution and point-of-use applications • Shield sensitive electronic equipment against the damaging effects of transients caused by lightning, utility load switching, internal load switching and more	Stockable
SAFETY SWITCHES								
Safety switches		Spec-Setter™ general duty		●		●	• Provides a quick way to disconnect and reconnect electrical loads for light applications where duty is not severe • 30–600 A, 240 V AC, 250 V DC maximum • Short-circuit rating is 10,000 rms symmetrical amps as standard • Clear line shields for visible confirmation of plated blade contact position • Factory-installed neutral kits • Easily configurable • UL listed and CSA certified	Stockable
		Spec-Setter™ heavy duty	●	●		●	• Provides a quick way to disconnect and reconnect electrical loads for applications where high performance and continuity of service are essential • 30–1200 A, 600 V AC, 600 V DC maximum • Award-winning mounting bracket for 400–600 A • Short-circuit rating of 200,000 rms symmetrical amps • Direct-drive, quick-make, quick-break mechanism “snaps” • Optional viewing window to ensure blades and fuses are appropriately aligned • Easy-grip donut handle • Multiple enclosure options • UL listed and CSA certified	Stockable
UNINTERRUPTIBLE POWER SUPPLIES (UPS)								
UPS		Single-phase PowerValue	●		●	●	• Single-phase UL UPS 1–10 kVA, 120–208 V AC • True online double conversion (VFI) UPS – 1-phase input/1-phase output • Optimized for modern IT loads with higher active power delivered • Scalable runtime — battery packs available to extend system autonomy • Rack/tower convertible (90° electronically rotating display) • Integrated backfeed protection • Self-adjusting battery charger current	Quick Order
		3-phase TLE scalable	●		●	●	• 3-phase UL UPS 40–150 kW, 480 V AC • Transformerless, high efficiency design • Ease of installation and improved serviceability • Advanced user interface • RPA for reliability and redundancy • Energy efficiency with eBoost mode	Configured

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UNINTERRUPTIBLE POWER SUPPLIES (UPS)								
UPS		**3-phase TLE high power**	●		●	●	• 3-phase UL UPS 160–1000 kW, 480 V AC • eBoost, lithium batteries and RPA with Intelligent Energy Management™ (IEM) further improve efficiency • Input from mains conditioned to a sinusoid with 0.99 input power factor and <3%TH Di • Double conversion efficiency up to 96.8% • Output power factor: 1 • True front-access design • Compact footprint • Intuitive user interface • Extremely low output voltage distortion • Superior battery management	Configured
		3-phase MegaFlex	●		●	●	• 3-phase UL UPS 1200–1600 kW, 480 V AC • From 1200 to 1600 kW based on power block of 400 kW • Efficiency of up to 97% in double conversion mode and up to 99% in VFD mode • Up to 40% footprint savings with ultra-high kW per sq. ft. • Pre-engineered interconnection between power section and power distribution cabinet enables trouble-free installation • RPA provides complete redundancy of all UPS modules in parallel, eliminating single points of failure • Up to 15-year life on consumable components	Configured
		DPA 60/ DPA120	●		●	●	DPA 60, 208 V AC • Modular 20–40–60 kW UPS with internal batteries • 60 kW or 40 kW N+1 redundant power on one UPS cabinet • 300 kW power in one system by paralleling up to five cabinets DPA 120, 208 V AC • Modular 20–120–60 kW UPS with external battery cabinets • 120 kW or 100 kW N+1 redundant power in one UPS cabinet • 600 kW power in one system by paralleling up to five cabinets	Configured
		DPA500	●		●	●	• 3-phase UL UPS 100–500 kW, 480 V AC scalable • 100 kW rated power module • True online double conversion UPS • Built-in modular isolation • Built-in backfeed protection • Individual module display • HMI interface with mimic diagram and LCD, five languages • Cabinets either 300 or 500 kW of rated power • Up to five modules in one cabinet (500 kW)/up to six cabinets in parallel (3 MW)	Configured
		HiPerGuard MV UPS	●		●	●	• Medium voltage UPS 6.6–24 kV • 4.6 GWh of energy savings for 15 years when compared to rotary systems • Power exchanger system energy reserve available for grid support services or peak shaving • Up to 10-year intervals between intrusive maintenance • High performance IEC 62040.3 Class 1 load protection • CO_2 emissions are reduced by 1360 tons throughout lifespan of product	Configured
POWER DISTRIBUTION UNITS (PDU) AND STATIC TRANSFER SWITCHES (STS)								
PDUs		**TruFit PDU 50–300 kVA**	●		●		• Power distribution unit for 480 V input to step down voltage to 208/120 V • Configurable with sub-feed distribution breakers or 42-pole panelboards • Equipped with ABB's SACE® Tmax® XT circuit breakers • Installation, operation and maintenance of any serviceable components from front • Combines the usual metering/monitoring with optional integrated thermal monitoring solution • Equipped with high-efficiency, DOE 2016 compliant transformers	Configured

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POWER DISTRIBUTION UNITS (PDU) AND STATIC TRANSFER SWITCHES (STS)								
PDUs		**TruFit PDU 400–800 kVA**	●		●		• Power distribution unit for 480 V input to step down voltage to 415/240 V or 208/120 V • Configurable with sub-feed distribution breakers • Equipped with ABB's SACE® Tmax® XT circuit breakers • Installation, operation and maintenance of any serviceable components from front • Combines the usual metering/monitoring with optional integrated thermal monitoring solution • Equipped with high-efficiency, DOE 2016 compliant transformers	Configured
STS		**Cyberex SuperSwitch 4**	●		●		• Covering wide power range from 100 A up to 4000 A in 208 V through 480 V • Sectionalized design for safety and ease of serviceability enables quicker troubleshooting and time to repair • 25% faster transfer times • 40% lower inrush limiting • Enhanced power quality detection • 16 user-configurable alarm relays • 10 user inputs for communications control • Enhanced meters and trending • 10-cycle waveshape captures critical power events • Improved circuit redundancy	Configured
DIGITAL SOLUTIONS AND SERVICES								
		Digital substation: Protection, control and automation		●	●	●	• ABB delivers a wide range of solutions that fully leverage ABB and third-party products' functional and communication capabilities to digitalize distribution substations. These can be either standalone solutions or combined to deliver comprehensive composite solutions. They are fully designed, engineered, tested, commissioned and documented as per customer site requirements. • Protection and control: Safeguarding the electrical power system from faults and abnormal conditions. • Enhanced monitoring and automation: Proactive detection and diagnosis of potential issues, and automated responses. • Advanced asset management and analytics: System helps optimize maintenance schedules and extend lifespan. • Flexible communication: Enables seamless interoperability and data exchange between different vendors' equipment through IEC 61850. • Centralized and virtualized protection: Refers to a concept in electrical power systems where the protection and control functions for a group of electrical assets, typically 20 relays, are consolidated into a single central processing unit (CPU).	Engineered
		Paralleling switchgear (PSG)		●	●	●	• Paralleling switchgear (PSG) is a critical component for facilities demanding reliable and uninterrupted power. It plays a crucial role in combining and managing multiple power sources, including generators, protection, metering, control and switching elements to help ensure consistent and optimized power delivery. • Multiple power sources connection: Allows the system to seamlessly connect various power sources such as generators and utility feeds. • Synchronization: Before connecting multiple sources, it is crucial to synchronize voltage, frequency and phase angle to prevent disruptions to the electrical system. • Load sharing and control: The system intelligently distributes the load among the connected sources based on capacity and predefined settings. • Protection and isolation: Isolate faulty components to help prevent cascading failures.	Engineered

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DIGITAL SOLUTIONS AND SERVICES								
		Substation SCADA and PMCS	●		●	●	• Supervisory control and data acquisition (SCADA) and a power monitor and control system (PMCS) is a system that monitors and controls the electrical power within a building or facility. It acts as the nerve center for managing and optimizing power distribution, helping ensure reliable and efficient operation. • Remote control and monitoring: Remote access enables real-time adjustments and responses to changing conditions. • Data acquisition and visualization: Collected data is presented through intuitive graphical interfaces, facilitating quick comprehension and decision making. • Alarm management: Identifying and alerting operators about abnormal conditions or potential issues. • Data storage and analysis: Historical data collected can be archived and analyzed to identify trends, optimize operations and predict future maintenance needs.	Engineered
		Microgrid control	●		●	●	• Microgrid controllers intelligently manage microgrids, which are smaller, localized energy systems that operate independently of the main power grid. They function like a mini power plant manager, constantly monitoring and adjusting the microgrid's resources to help ensure a stable and reliable supply of electricity. • DERs monitoring and control: Allows for real-time monitoring and control of various distributed energy resources (DERs) connected to the system. • Energy management and optimization: Involves balancing supply and demand, prioritizing renewable energy sources, managing energy storage and minimizing energy costs. • Grid connection and islanding: Ability to operate in two modes — connected to the main grid or in "island mode" (operating independently). • Load sharing and control: Helps ensure optimal use of DERs, to help prevent overloading and maintain system stability.	Engineered
		EV load management	●		●	●	• EV load management solutions have become crucial as the number of electric vehicles on the road continues to rise. These solutions help ensure efficient and grid-friendly charging while optimizing costs and user experience. • EV load management: A PLC-based management solution that combines the benefits of the EV charger load management platform with direct OCPP setup. • Energy management and optimization: Allows the management of EV chargers as well as the control and monitoring of the entire power infrastructure to deliver an end-to-end solution for customers. • Peak shaving, monitoring and control: Continuous power monitoring available to optimize the power consumption by EV chargers to minimize strain on the grid. Also balances the energy demand throughout the day with a focus on reducing energy usage during peak demands.	Engineered

Product type		Offering	Benefits
ELECTRIFICATION SERVICE			
		Care	• Care: Offering care agreements, preventive and predictive maintenance, original spare parts, certified installation and commissioning, technical training and expert technical support to enhance equipment performance, reliability and safety while minimizing downtime and maintenance costs.
		Modernization	• Modernization: Providing seamless extensions, upgrades, retrofits and replacements for electrical systems, helping ensure enhanced reliability, improved performance and sustainable end-of-life services throughout the entire lifecycle of your equipment.
		Advisory	• Advisory: Offering expert engineering and consulting, comprehensive electrical system health checks, power system studies leveraging over 140 years of expertise and tailored safety evaluations to enhance asset performance and help ensure operational reliability while prioritizing safety and compliance.
		Optimization services	• Optimization services: Offering a suite of cloud-based and digital tools, including the ABB Ability™ Asset Manager for performance monitoring, Energy Manager for optimizing energy consumption, CMES for predictive maintenance of low voltage switchgear, Ekip UP+ for enhanced protection of circuit breakers, SWICOM for real-time insights on medium voltage switchgear and Deep Navigate Analytics for asset optimization — all designed to improve operational efficiency and sustainability.

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