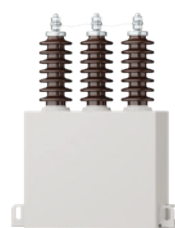


Data Center Solutions

Power infrastructure portfolio



DATA CENTER SOLUTIONS

Iskra is highly relevant for data centres, supporting mission-critical priorities including uptime, power quality, energy efficiency, visibility, and fast fault detection. It ensures power availability and resilience through precise monitoring of electrical parameters, enabling early detection of disturbances and reducing outage risk.

For improving PUE and energy optimization, Iskra provides transparency across power systems, supporting better load management and efficiency. Integrated monitoring enables faster fault response and predictive maintenance, improving reliability and system protection.

Overall, Iskra helps data centres shift from reactive operation to proactive control, enhancing resilience and energy performance.

► Reliable power solutions

Products are designed for reliable operation in critical applications where power quality, availability and energy efficiency are essential.

► Mission-critical focus

Availability, safety, power quality, energy transparency and operational reliability across the complete electrical chain.

Power monitoring & quality

Power monitoring and power quality devices enable continuous measurement and analysis of electrical networks, delivering deep insight into power quality, harmonics, events, loads, and energy consumption. They enhance reliability, optimize system performance, and enable rapid detection of disturbances in critical power infrastructure.



Energy metering & transducers

Energy metering and transducer devices enable precise measurement, monitoring, and conversion of electrical parameters in single- and three-phase networks. They support accurate energy allocation, sub-metering, signal conversion, and seamless integration with building management, automation, and SCADA systems.



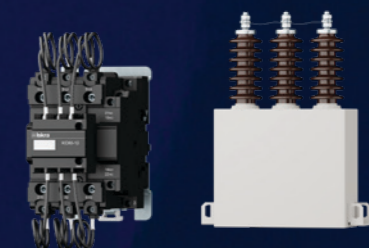
LV protection & switching

Low-voltage protection and switching devices ensure safe control, switching, and protection of electrical installations, motors, and distribution systems. They enhance operational reliability and personnel safety while safeguarding against overloads, short circuits, and overvoltages.



Reactive power compensation

Power factor correction equipment and capacitors compensate reactive power and improve power factor in low-voltage networks. They reduce energy losses, optimize network capacity, enhance efficiency, and lower operating costs.



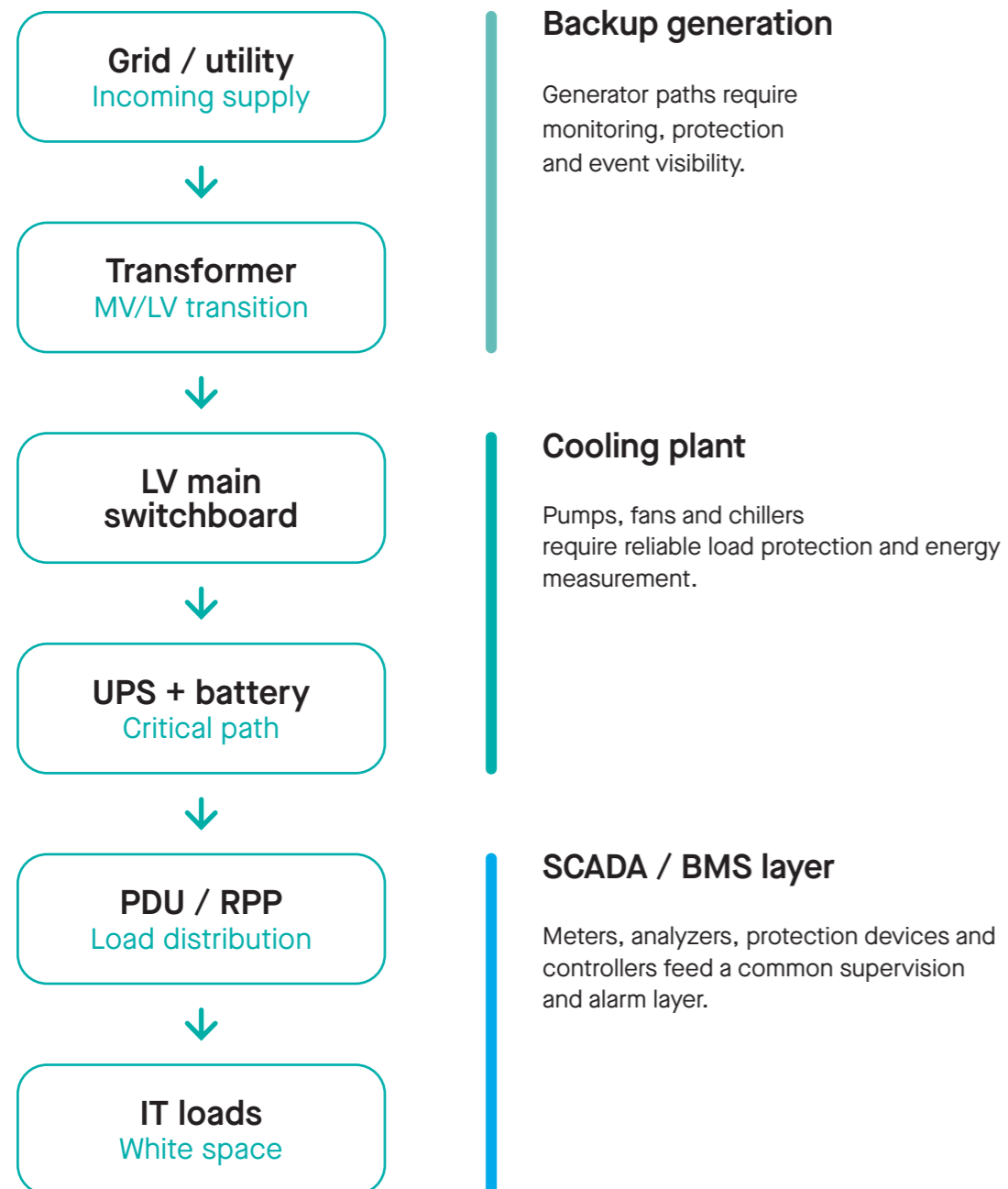
Automation & SCADA

Automation and SCADA solutions provide centralized monitoring, control, and management of electrical infrastructure. They enable real-time data acquisition, alarm handling, event logging, visualization, and seamless integration of intelligent devices into unified supervision platforms.



REFERENCE ARCHITECTURE

Where Iskra solutions create visibility, protection and control inside a data center electrical infrastructure.



APPLICATION AREAS

A practical map of where the portfolio can be positioned in a new build, expansion or retrofit project.

- 1 Incoming supply**
Power quality analyzers, energy meters, MCCB protection
- ↓
- 2 Main LV switchboard**
LV protection, PFC, meters, event monitoring
- ↓
- 3 UPS input / output**
Power quality, energy meters, alarms and status visibility
- ↓
- 4 Cooling plant**
Motor protection, switching, metering and disturbance detection
- ↓
- 5 PDU / RPP / white space**
Sub-metering, load monitoring and distribution protection
- ↓
- 6 SCADA / BMS**
Centralized visualization, alarms, event recording and data acquisition

OPERATIONAL VALUE

Faster fault localization, better load transparency, safer switching, optimized power factor and a structured data layer for operational decisions.

The benefits of Iskra data center solutions



POWER MONITORING & QUALITY

iMC784A / iMC774 / iMC770 / iMC750 / iMC740 / iMC3x0



Advanced power monitoring and power quality analysis

Designed for continuous measurement and analysis of electrical parameters, Iskra power monitoring and power quality devices provide valuable insight into energy consumption, load conditions, harmonics, events and power disturbances. Suitable for utility, industrial and commercial applications, these solutions support preventive maintenance, improve power system reliability and enable faster response to operational issues.

Features

- ▶ Continuous measurement and monitoring of electrical networks
- ▶ Detailed insight into power quality parameters, events, harmonics, loads and energy consumption
- ▶ Supports fast detection of disturbances in critical power systems
- ▶ Useful for feeders, UPS paths, generator paths, cooling loads and critical distribution points
- ▶ Data foundation for reliability, performance optimization and energy management

Advantages

Fast visibility of disturbances before they become downtime.

Data center use

Install at incoming feeders, main switchboards, UPS input/output and major distribution points.

ENERGY METERING & TRANSDUCERS

WM / IE meters, iMT / MT / UMT transducers, RD/iRD displays, smart gateways



Precision energy monitoring and management

Iskra energy meters, transducers and communication devices enable precise monitoring of electrical parameters across single-phase and three-phase networks. Supporting sub-metering, energy efficiency initiatives and system integration, these solutions help users gain greater transparency of energy consumption, optimize operational performance and ensure reliable data exchange with BMS, EMS and SCADA platforms.

Features

- ▶ Accurate measurement of electrical parameters in single-phase and three-phase networks
- ▶ Energy allocation and sub-metering for departments, tenants, rooms and critical systems
- ▶ Signal conversion and communication with automation, building management and SCADA systems
- ▶ Local display and gateway options for operational transparency
- ▶ Supports PUE tracking, cost allocation and capacity planning

Advantages

Transparent energy data across every critical area.

Data center use

Position metering at main incomers, UPS output, cooling plant, PDU/RPP and tenant or hall-level distribution.

LV PROTECTION & SWITCHING

MS25/MS32, contactors, MCCB MOD, RCCB/RCB, disconnectors, overvoltage protection



Critical low-voltage distribution

Low-voltage protection and switching devices are intended for safe control, switching and protection of electrical installations, motors and distribution systems. Our portfolio helps ensure operational reliability, personnel safety and protection against overloads, short circuits and overvoltages.

Features

- ▶ Safe control, switching and protection of electrical installations, motors and distribution systems
- ▶ Protection against overloads, short circuits and overvoltages
- ▶ Portfolio for main switchboards, distribution boards, auxiliary circuits and subsystem panels
- ▶ Supports personnel safety and operational reliability
- ▶ Integration-friendly product families for panel builders and system integrators

Advantages

Selective protection and reliable switching for critical circuits.

Data center use

Use across LV distribution, cooling equipment panels, generator auxiliaries and facility systems.

DISTRIBUTION SAFETY

RV5, miniature circuit breakers and surge protection devices



Distribution safety

Reliable protection and switching solutions for low-voltage electrical installations, ensuring safe operation of distribution boards, control cabinets and auxiliary systems. Designed for efficient circuit protection, isolation and surge protection, these devices help safeguard equipment, improve system reliability and support the continuous operation of critical infrastructure.

Features

- ▶ Main switching and individual circuit switching in distribution boards
- ▶ DIN rail installation for compact panels and local distribution points
- ▶ Protection and isolation for final circuits and auxiliary systems
- ▶ Surge protection support for sensitive electrical infrastructure
- ▶ Clear position indication and modular integration into LV boards

Advantages

Safer local distribution and equipment-level protection.

Data center use

Use in facility panels, local distribution boards, control cabinets and auxiliary systems.

REACTIVE POWER COMPENSATION

KNK LV power capacitors, capacitor banks, controllers, capacitor-duty contactors



Power factor optimization

Power factor correction equipment and capacitors are intended for compensation of reactive power and improvement of power factor in low-voltage electrical networks. Our solutions help reduce energy losses, optimize network capacity, improve efficiency and lower operating costs.

Features

- ▶ Compensation of reactive power and improvement of power factor in low-voltage networks
- ▶ Reduces energy losses and helps optimize network capacity
- ▶ Capacitor banks and controllers for structured compensation systems
- ▶ Capacitor-duty contactors for reliable switching of capacitive loads
- ▶ Contributes to efficiency, lower operating costs and better use of electrical infrastructure

Advantages

More efficient use of electrical capacity and lower losses.

Data center use

Consider on main LV distribution and large load groups where reactive power compensation is required.

AUTOMATION & SCADA

MCE 940, CAU 380, SCU 810, NEO 3000, communication equipment



Centralised supervision

Automation and SCADA solutions are intended for monitoring, control and management of electrical infrastructure. Our systems enable real-time data acquisition, alarm handling, event recording, visualization and integration of intelligent devices into centralized supervision platforms.

Features

- ▶ Monitoring, control and management of electrical infrastructure
- ▶ Real-time data acquisition, alarm handling and event recording
- ▶ Visualization of critical electrical systems and operating states
- ▶ Integration of intelligent devices into centralized supervision platforms
- ▶ Supports energy management, maintenance and operational decision-making

Advantages

One operational view of electrical infrastructure.

Data center use

Connect field devices, meters, analyzers and controllers into supervision and energy management workflows.

WHY CHOOSE ISKRA

A European partner for electrical reliability, measurement and automation in mission-critical environments.

▶ A partner for electrical reliability - not only a product supplier.



- ▶ **Broad portfolio** Monitoring, metering, protection, compensation and automation in one coherent offer.
- ▶ **Engineering focus** Solutions are built for reliable operation, integration and long-term lifecycle support.
- ▶ **Operational visibility** Accurate data, alarms and event records support faster decisions and better control.
- ▶ **Energy performance** Sub-metering, power quality and PFC contribute to energy efficiency and capacity optimization.
- ▶ **Critical reliability** Protection, switching and monitoring devices support safe operation of critical assets.
- ▶ **Integration capability** Device-level data can be connected into centralized SCADA, BMS and energy management systems.

Explore Iskra products and solutions



Product lines
Intelligent solutions for the future



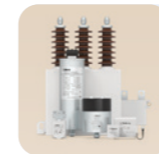
Smart Energy Meters
leaflet



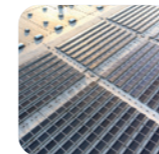
Low Voltage Switchgear for Residential applications



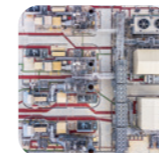
Low Voltage Switchgear for Industrial applications



Capacitors
brochure package



Power Electronic Capacitors



Power Factor Correction Equipment for Low Voltage



Power Factor Correction Equipment for High voltage