

Product lines

Intelligent solutions for the future



Welcome to Iskra

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Iskra is a globally recognized provider of intelligent industrial solutions and cutting-edge electro-technical products

We are Iskra, a **family-owned enterprise with a rich history** spanning almost 80 years. Our journey began in Europe, where we laid down our roots, and from where we've grown into a globally recognized name in the field of cutting-edge technology. At the heart of Iskra is the Šešok family, the driving force behind our vision and core values. Led by **Dušan Šešok and his sons, Klemen and Matija**, we pride ourselves on a leadership that combines decades of experience with youthful innovation.

We are inspired by tradition, enlightened by professional knowledge and driven by a commitment to **continuous innovation**, always seeking to push boundaries and stay ahead in our field. Decades of industry knowledge and our **customer-centric business approach** have enabled us to always offer customers more, creating value in every aspect of our relationship with them.

With over 10.000 products in our portfolio and a wide presence in over 100 countries with millions of installations per month, Iskra products are one of the most trusted components in the industry.

OUR ENVIRONMENTAL, SOCIAL AND GOVERNANCE POLICY



” As a sustainability advocate, I am excited to share our visionary approach to Environmental, Social, and Governance (ESG) practices. At Iskra, we believe that sustainability is not just a checkbox but a guiding principle that drives our decision-making and shapes our business strategy. We recognize that addressing the pressing challenges of our time, such as climate change, resource scarcity, and social inequality, is not only the right thing to do but also essential for our long-term success. I am deeply committed to embedding sustainable practices into every aspect of our operations. From implementing energy-efficient technologies and reducing our carbon footprint to promoting diversity and inclusion, we strive to create positive and lasting impacts on the environment, our employees, and the communities we serve.

Klemen Šešok

Chief Future Officer and Sustainability Advocate

ESG



Iskra is a proud investor in ALFI Green Energy Fund, a specialized investment fund that invests in on-shore wind and photovoltaic power plants in SEE (Slovenia, Croatia and Serbia). With the latest project Krivača wind power plant, 75,000 households will be supplied with the green energy, and will decrease CO₂ emissions for 120,000 tons per year.



Our R&D departments are intensively engaged in the development of products with a sustainable purpose, such as smart energy meters that allow the end user to analyze energy consumption for the best possible efficiency, and smart gateways that enable the control of various energy consumers to predefined settings, or pulses from sensors.

We strive to provide equal opportunities for all people, regardless of gender, nationality, race, disability, age or other personal characteristics, and thus strives to promote an inclusive work culture through open communication and diversity.



Based on the actual data, at Iskra are currently employed 49.55% of men and 50.45% of women. Also, 15.83% are foreigners, including people from Iran, Somalia, Balkan countries, etc. The feeling of inclusion is also indicated by the fact that we founded a subsidiary company, Iskra IP d.o.o., where we employ highly qualified individuals, most of whom (59.72% in 2023) have the status of persons with disabilities.

SUSTAINABLE DEVELOPMENT GOALS

At Iskra we view the SDGs as an important accountability and measurement mechanism, and as such we are committed to advancing specific SDGs that align with our strengths as a business and our ability to make an outsized impact.

We have stated our alignment with the following SDGs:



- **SDG6** Clean Water and Sanitation
- **SDG7** Affordable and Clean Energy
- **SDG9** Industry, Innovation, and Infrastructure
- **SDG12** Responsible Consumption and Production

In keeping with our commitment to advance our ESG program, we have identified one additional goal that aligns with our effort to mitigate climate change and identify risks and opportunities

- **SDG13** Climate Action

In 2023 alone, we successfully reduced emissions across all three scopes by 830 tons, representing over a 10% reduction from the previous year, despite experiencing company growth. This reduction was achieved through waste reduction, lower energy consumption, and additional investments in battery storage systems, PV systems, and new energy-efficient machinery.



830 t CO₂

over 10% decrease in emissions avoided in 2023



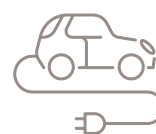
Water purification

acquisition of ELMAP waste water filtration company



2.6 MWp

portfolio of own commercial scale solar PV systems



All-hybrid

car fleet to be converted by 2030

PRODUCTS FOR EV CHARGING STATIONS

Energy meters

WM3M4, WM3M4C, IE14, IE38Mx



Capacitors

MKP, MKT, X2, Y2, Snubber, DC links



Residual current circuit breakers (RCCB)

Type A, Type B, Overcurrent protection



Installation contactors

IK series



Miniature circuit breakers (MCB)

R17x series



We provide top-quality components for electric vehicle (EV) charging stations and solutions for automotive applications, considering a diverse selection of electronic capacitors specifically designed for EVs.

Recently, we also have our own EV charger in the assortment, which consists of Iskra's components. With an Eichrecht-compliant energy meter inside, we have been able to provide transparent measurement data for delivered energy, ensuring full visibility of the amount of energy consumers are paying for charging.



► WM3M4C

Award-winning Eichrecht compliant smart energy meter.



► FI4-EV

Residual direct current protective device (RDC-PD)

Advanced protection for EV charging stations.

SOLAR POWER APPLICATIONS

► We strive to make solar power more efficient and sustainable by assisting our clients in maximizing their energy usage.

Iskra components are used by production facilities, power plants, and electro distribution companies worldwide.

Among our components for photovoltaic applications are Solar panel boxes, Energy meters, Capacitors, Protection switches, Residual current circuit breakers and Switch disconnectors. Also, we provide a wide range of Dynamic reactive power compensation and Power factor correction systems to enhance the power factor and avoid power factor penalties. We are constantly innovating to deliver valuable energy solutions in a rapidly changing industry.



Energy meters



Maximized service continuity while reducing costs and resources

Capacitors and DC links



Automation and digitalization via predictive analytics and remote monitoring

Surge Protection Devices



Increasing Energy Efficiency by avoiding power losses

Protection switches



Savings of up to 20% on operational costs through energy management system

Residual Current Circuit Breakers



Optimizing the use of assets by taking the right business decision

Solar Panel Box



WIND POWER APPLICATIONS

► Wind power is a clean, renewable source of energy that can be used to power businesses, homes and entire communities.

Dedicated to delivering innovative technology and environmentally friendly options for renewable energy sources, Iskra manufactures a wide range of components intended for wind turbine applications.

Iskra Wind Power Applications include Wind turbine supervision protection & control equipment, Power quality & electrical parameter monitoring instruments, Power factor correction systems, Capacitors, Capacitor duty contactors, and Power factor controllers.

AC/DC general purpose capacitors

KNG, KNI, KNO



Metering equipment

iMC3xx, MC7x, MT440, MT5x, IE38Mx



Wind turbine supervision & control

SR100



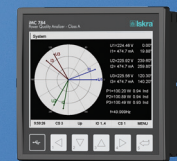
Low voltage switchgear for elevator

Contactors, MCB, RCCB, Motor protection switches



PQ analyser

MC784/iMC784, iMC774, iMC76x, MT560



Protection relays

FPC680, CAU380



► All components are fully tested, approved, and certified by national and international bodies.

Power factor correction systems



RESIDENTIAL INSTALLATIONS

The purpose of low voltage switchgear in residential installations is to ensure safe and efficient distribution of electrical power within a building, while also providing over-current protection, short-circuit protection, and other safety features.



► Switch disconnectors



► Latching relays



► Installation contactors



► Residual current devices



► Miniature circuit breakers



► Time and monitoring relays



► Surge protection devices



► Distribution boards



INDUSTRY INSTALLATIONS

Low voltage switchgear refers to electrical equipment used to control, distribute, and protect electrical power systems and it is commonly used in industrial installations to control the distribution and use of electrical power in facilities such as factories, power plants, and commercial buildings.

▶ Mini contactors



▶ Capacitor duty contactors



▶ Motor contactors



▶ Moulded case circuit breakers



▶ Motor protection switches



▶ Miniature circuit breakers



MEASURING INSTRUMENTS

Iskra manufactures and supplies a wide range of electrical measuring instruments, used for measuring power, intensity, resistance, and voltage, making it possible to confirm the proper operation of machines and installations and identify the consumption characteristics of a certain electric energy service.



▶ Universal measuring devices



▶ Measuring transducers & supervision relays



▶ Synchronization devices



▶ Energy meters



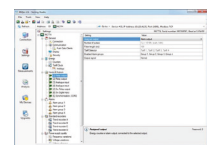
▶ Smart gateways



▶ Analog meters



▶ Miqen settings software



CAPACITORS

Iskra manufactures and supplies a wide range of power electronic capacitors which can be used for various functions in electric circuits. We also have Power Factor Correction (PFC) equipment and a diverse selection of power capacitors, which are one of the most practical solutions to increase system power quality.



- ▶ **Snubber, switching capacitors**
KNO, KNP
- ▶ **DC link capacitors**
KNG
- ▶ **Power capacitors, Surge protection capacitors**
KLV
- ▶ **Low voltage power capacitors**
KNK
- ▶ **Capacitors for audio-frequency remote control**
KLT
- ▶ **Induction heating capacitors**
KLS
- ▶ **Capacitors for power electronics**
KNI
- ▶ **Motor starting and motor running capacitors**
KNM
- ▶ **Capacitors for use in electronics**
KEU, KNI, KNU
- ▶ **Capacitors for use in motor-driven applications**
KEA, KPA
- ▶ **Capacitors for use in automotive electronics**
MKP
- ▶ **Filters for radio interference suppression**
KPB, KNB, KNR, KPR, KPL, KNL
- ▶ **Capacitors for use in EV charging stations**
MKP, X2, Y2
- ▶ **Power factor correction**
KEU, KNI, KNU

POWER FACTOR CORRECTION

Lower your energy costs with lower effect of reactive energy of electrical devices.

- ▶ **Power factor correction capacitor banks** decrease electrical energy costs and increase system voltage
- ▶ **Using power capacitors** is one of the most practical solution to increase system power quality
- ▶ **Power capacitors** are a maintenance free and inexpensive source of reactive energy needed in every inductive electrical system



High voltage power capacitors



PFC capacitors for low voltage



Power factor control relay



Capacitor duty contactors

The benefits of power factor correction



Improve the quality of the electrical network at a site



Compliance with grid operator / DNO requirements



Increase reliability, longevity and lifespan of equipment



Reduce your energy costs



Inherently reduce CO₂ emissions

POWER AUTOMATION AND PROTECTION

Brace your power. Improve your energy use.

Iskra provides holistic industrial solutions (instrumentation, software packages and services) for energy sector to help you achieve the most ambitious and challenging targets.

► Protection relays

FPC 200, FPC 400



► Protection and control relays

FPC 680, FPC 680i



► Bay computer

CAU 380



► Control data acquisition software

MCE 940



► System communication unit

SCU 810



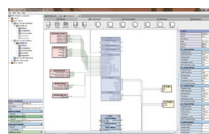
► Extension communication unit

ECU



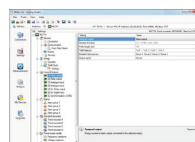
► Power System Manager

NEO3000



► Miqen Settings Studio

Device management software



Target the problems in power use



Optimize energy consumption



Control power quality



Prevent potential costly damage



Plan your future energy use

ELECTRONICS MANUFACTURING SERVICES

- ▶ Design & Engineering services
- ▶ Manufacturing SMT and THT assembly
- ▶ Conformal coating
- ▶ Quality control
- ▶ Programming and testing
- ▶ Reliable Logistics system
- ▶ After-sales services

Decades of experience in the production and integration of complex products and solutions have enabled Iskra to become an EMS provider, with the highest quality standards. In accordance with the European RoHS directives, we switched to lead-free soldering (Lead-Free/Pb-Free). In addition to dedicated competencies within electronics production, we offer strong logistics capabilities, ensuring on-time delivery to customers worldwide.

The production of electronic units takes place in the following two ways, **SMT (Surface Mounting Technology)** and **THT (Through Hole Technology)**, and uses the latest generation of machines in terms of assembly speed and precision, also in terms of the ability to detect the smallest defects.



Industry solutions

ELKA CABLES

ELKA is a leading energy cable producing company at the markets of Croatia, Bosnia and Herzegovina, Slovenia, and beyond.

Using the knowledge and experience we have been developing since 1927, we offer innovative, high-quality products and services, creating added value for our customers and end users. We are proud that our clients recognize our quality, expertise and reliability.

With the own R&D department and constant investments in new capacities and modernization of existing ones, we have grown into experts in the development and production of special cables for the modernization of railway infrastructure, airports, TV and film industries, and special cables for the Airbus aircrafts. We are successfully fulfilling our mission of maintaining a leading role in the region and expanding our business to other foreign markets.

Quality is essence to our business.

When it comes to the quality, we make no compromises. Our products are developed, constructed, manufactured and delivered by our strict in-house rules and in accordance with internationally recognized standards.



Quality management system
ISO 9001:2015



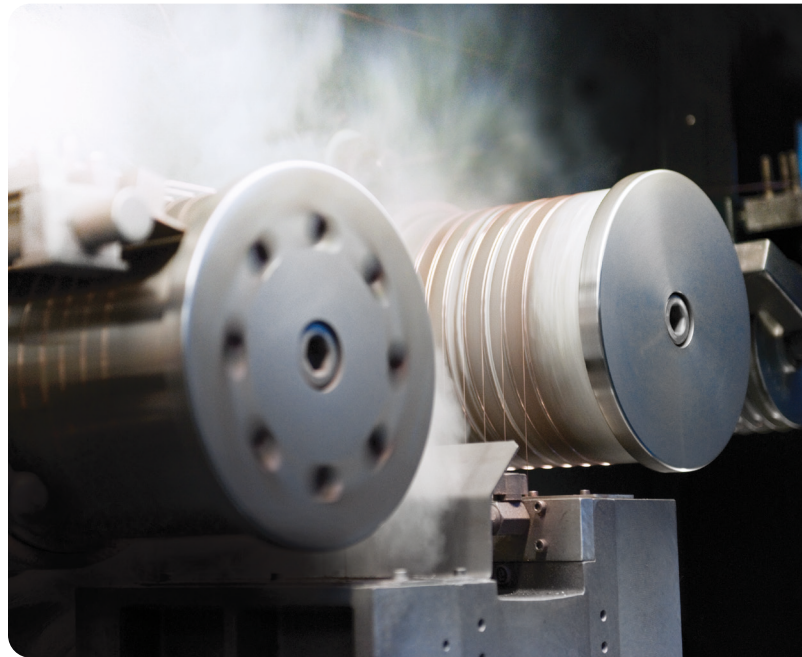
Environmental management system
ISO 14001:2015



Occupational health and safety management system
ISO 45001:2018



Energy management system
ISO 50001:2018



- ▶ **Low voltage power cables**
- ▶ **Medium voltage power cables**
- ▶ **High voltage power cables**
- ▶ **Rubber signaling railway cables**
- ▶ **Rubber track feeder railway cables**
- ▶ **Telecommunication cables**
- ▶ **Aluflex Aluminium flexible cables**
- ▶ **Shipboard and offshore cables**

Explore Iskra products and solutions



Product lines
Intelligent solutions for the future



Smart Energy Meters
leaflet



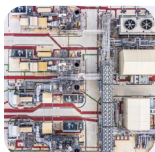
Products for electric vehicle
charging stations



Capacitors
brochure package



**Power Electronic
Capacitors**



Power Factor Correction Equipment
for Low Voltage



Power Factor Correction Equipment
for High voltage