iskraemeco

BY ELSEWEDY ELECTRIC

Bringing intelligence to energy.

COMPANY PROFILE

We power business decisions with an impeccable solution portfolio and a passion for sustainability. Our comprehensive solutions and turnkey services meet countless market demands, providing energy companies the tools to forge the future of energy generation and management in a digitalized world. From IoT expertise to digitalizing data flows, Iskraemeco makes it easy to use energy.

www.iskraemeco.com

Contents.

About us.

Iskraemeco employees have been transforming their invaluable experience, innovation, and thorough understanding of our customers' needs into comprehensive energy management solutions. Iskraemeco is a globally recognized brand with its solutions found in more than 80 countries worldwide. For more than seven decades, Iskraemeco has been delivering quality products, solutions and services that make efficient energy use a reality for energy companies worldwide. Our robust portfolio of smart metering solutions let us predict future needs for efficient energy management. Digitalized solutions based on IoT, data lakes, and smart cities gives utilities the necessary data to manage energy use, anticipate demand, and optimize costs. It also helps consumers act more sustainably, while significantly lowering their energy bills.

In 2007, Iskraemeco has been acquired by Elsewedy Electric. A shared vision of a smarter, more energy-efficient future is the driving force that connects the two companies in energy ventures. By joining the Elsewedy group, Iskraemeco attained a valuable business partner and unprecedented opportunities for growth and development. With a focus on meeting our customers' needs, we constantly seek new opportunities to expand our expertise in existing and emerging markets. In order to facilitate our mission of supporting our customers, we became a global company with strong presence in Slovenia, Argentina, India, Dubai and Egypt. We have local presence in various countries worldwide and also production facilities as privately owned facilities, licenced partners and joint ventures.

Our vision is to bring intelligence to energy.

By using our smart metering solutions we are helping utility companies all over the globe improve their efficiency, lower operating costs and provide better customer service. With a focus on quality, reliability, and innovation we are committed to support our customers to master their digital transformation journey. Most important goals in our business processes are inspired by flexibility, agility and creativity. Building a sustainable offering for a better life is our dedication.

Mission.

Our mission is to make efficient energy use easy. We provide our customers with comprehensive solutions for efficient energy management. The integration of our products into existing business processes is fully supported by professional services. Our comprehensive solutions were built to develop and nourish successful long-term relationships that we have with our customers.

Values.

PEOPLE

We support and respect each other. We communicate openly and honestly. Teamwork is how we conduct our business. Customers, suppliers and other stakeholders are a part of our team.

COMMITMENT AND ACCOUNTABILITY

We are passionate about achieving results through continuous improvement, teamwork, and honouring our commitments.

CUSTOMER CARE

We are dedicated to our customers. We respect, listen, understand and serve our customers. With our knowledge and expertise we help and support our customers to achieve their goals.

QUALITY

Each of us is responsible for quality in everything we do.
By delivering quality, we invest into our future.

SUSTAINABILITY

We respect our environment and we are aware it is today we are creating the future. We build our business on sustainable practices.

Master of our future.

Iskraemeco's future is bright – bright green and smart. In a progressively interlinked and hyperconnected world our innovative approaches are a reply to the digital transformation of the industry in which we operate and our aim is to build strong relationships with our partners and customers across the world.

Global reach and worldwide renown

A think tank on the digital transformation

Sustainable innovation trendsetter

Business development to Energy IoT

Partner of choice

Smart energy solution provider and system integrator

Sustainability in business language.

Inspired by the 'Action First, Excuses Never' motto, we are building a future-proof business for a better world. It is well past time for drastic measures, and Iskraemeco holds itself, its supply chain, its partners, and the industry as a whole accountable for the sweeping progress. Industry 4.0, the fourth industrial revolution, is not only about technology, but about knowledge, values and synergies. Iskraemeco views sustainability as a philosophy that must be lived and embedded, not as a set of routines and guidelines to be followed as an afterthought. We need to cut resource consumption in half, preserve water resources and save the future for the coming generations by decarbonizing our planet. CO_2 footprint has the biggest correlation with energy demand, at the same time digital transformation is becoming a key enabler in fighting the climate crisis and achieving the green transition. Metering and data, integral elements of digital transformation, are what Iskraemeco knows best and has been mastering – with an added spin of innovation, agility and flexibility – for over 70 years. Energy efficiency, renewables, e-mobility, smart cities, smart homes, smart water and digital grid, as well as data analytics – these are the tools we have available, and we have to use them wisely and without delay. We invite you to join our efforts and strategy. Together, we will stand on the right side of history.

CORPORATE SOCIAL RESPONSIBILITY

Iskraemeco is a part of the United Nations Global Compact initiative, a network of likeminded entities that act in accordance with ten universally accepted principles in the areas of human rights, labour, environment and anticorruption. Research, development and innovation are paramount to our business, they are the key elements of achieving sustainable economic success. With sponsorships in education, culture and health, we fulfil our social responsibility in the local communities.

STANDARDS

We comply with all relevant health, safety, and environmental legislation and standards – ISO 9001, ISO 14001, ISO 17020, ISO 17025, ISO 27001, ISO 45001, ISO 50001, MID Directive and OHSAS 18001.

We are Iskraemeco.

A successful company is powered by a world-class talent pool. With innovation, flexibility, agility, ownership and empowerment, we build unique competitive advantages and strengthen our leading position in the industry.

Top-notch professionals with 'can do' attitude, integrity and learning spirit are a crucial component of growth-oriented corporate culture. Our employees always go the extra mile to exceed customer requirements. We focus on long-term engagement with customers, partners, associates, suppliers and other stakeholders to achieve sustainable business growth. Efficient collaboration drives our productivity on a daily basis and makes it easier to put ideas into action.

Teamwork, expertise and partnership are the stepping stones that will help us achieve common goals and build the success of company – together we can achieve anything!

Exciting journey.

Iskraemeco's evolution throughout the years has been distinguished by a flourishing portfolio of products and services and by the constant expansion of our global influence. Today our network of partners, subsidiaries, and production facilities is strong and responsive, ready and able to provide reliable and efficient support services to our entire client base.

TODAY AND BEYOND

Eyes to the future

Iskraemeco became a pioneer of the Fair Meter concept in 2015, which promotes the company's aspirations to deliver premium solutions and contributes to solve global sustainability challenges. Iskraemeco's digital expertise makes it the world's most reliable provider of these services.

2005–2015

Strengtening market position

Decades of hard work led to Iskraemeco's entry into the joined Elsewedy Electric group in 2007. In 2014, Iskraemeco unveiled its fourth generation modular, futureproof AM550 smart meters.

1990–2005

Into the new millennium

The 90s saw Iskraemeco innovating on a global scale, turning revolutionary meters with integrated monolithic circuits and Hall sensors. SEP was also launched, the first system for residential energy metering and billing.

1960–1990

Experienced players

During the 1960s efforts were centered on expanding production capacities and entering new markets. The next decade was marked by the company's first industrial meter for measuring electricity consumption in 1975.

1945–1960

Forging ground

Along the Sava river the newly named Iskra begins producing electricity meters. The industry immediately recognizes the quality of Iskra's meters and resulting in a skyrocketing of demand. Later, Iskra builds its own production line in 1954.

Innovative.
Leading-edge.
Sustainable.

Smart solutions, smarter services, brilliant business – Iskraemeco.

As one of the leading metering solutions provider our aim is to provide energy companies with products and services that help them overcome the challenges that lie ahead. Iskraemeco has committed to deliver high quality, and customized solutions and portfolio.

ELECTRICITY & WATER METERS

A wide array of advanced products can all be connected to digital grid and applications. Whether they are intended for residential or industrial environments, smart or prepayment products, customized or turnkey solutions - our diversified portfolio was built to last.

COMMUNICATION PRODUCTS

Great meters in smart, modernized utility grids of the future are just the beginning. The data they collect must then be communicated, as quickly, accurately, and securely as possible, to a central exchange. Iskraemeco's tools and accessories turn data into meaningful communication.

SOFTWARE SOLUTIONS

Data streams are meaningless without powerful tools to manage and analyze them. Our specialized software platform and extensive program suite were built from our decades of experience. Our experts will happily help you maximize your data.

SERVICES

Iskraemeco's rich portfolio of services supports every step of your project. Our expert teams are specialized in design, deployment, maintenance, and key upgrades. With us as your partner, your infrastructure is transformed into the powerful tool that you need in order to focus on what you do best.

Our solutions.

In an ever-changing world, exciting new possibilities are always just around the corner. Synchronising our actions with our customers and partners brings us one step closer to an active grid where devices make decisions and take-actions in real time. We offer variety of customized solutions to our clients.

Smart City.

Smart city is an environment of connected buildings and infrastructure that provide data. Those data are collected, processed, and converted into added value for city workers and citizens alike.

We provide impeccable infrastructure and highly qualified teams that will help guide you through the design, deployment, and use of any smart city project.

Let us help your city start working for you!

Our smart city offering is built around our Energy IoT platform, which is at the core of the system. We connect our meters and our HES system to the platform, which has pre-built different data handling tools.

BENEFITS

+ Increased security
+ Optimized consumption of resources
+ Sustainable water consumption
+ Waste management efficiency
+ Information and awareness on infrastructure issues
+ Improved transportation
+ Minimized emissions

FEATURES

- Buildings
- Street lightning
- Efficient energy and water consumption

HARDWARE COMPONENTS

- Electricity, water and gas meters
- PLC and RF gateway

SOFTWARE COMPONENTS

- HES and MDM system
- Energy IoT
- Water, parking application
- Customized application
- Billing
- Asset management
- Smart city control centre

SERVICES

- Installation
- Preventive maintenance
- Consultancy
- SaaS and SMaaS
- Project management

Digital Grid.

Digital grid are energy distribution networks connected through an array of devices such as smart meters and sensors. They are elite systems for monitoring, analyzing, controlling, and communicating within supply chains to streamline resource consumption and expenditure and maximize reliability, transparency, and oversight. The digital grid is designed to maximize transparency and reliability of the energy supply chain.

Empower the grid of the future.

Digital grid architecture typically features data centres, communication networks, SCADA systems, advanced metering infrastructure, monitoring systems, automation systems, and several specifically tailored applications.

Collaborate with us and we will be thrilled to help you design and implement a custom comprehensive solutions.

FEATURES

- Distribution system
- Renewables
- Microgrid
- Ancillary and trading services

HARDWARE COMPONENTS

- Electricity and precision meters
- Sensors

SOFTWARE COMPONENTS

- HES and MDM system
- Online tariff adjustment
- Real-time meter data collection
- Load management
- Quality of supply and power quality
- Online meter and grid equipment management
- Customer engagement (In-house display)
- Technical and commercial losses detection

SERVICES

- Design, consultancy and deployment
- Maintenance and operation
- SaaS & SMaaS services
- Project management

BENEFITS

- + Improved efficiency
- + Quick adaptability to changes in transmission lines
- + Reduced energy consumption/costs
- + Introduced demand response and dynamic pricing models
- + Distributed generation capacities and alternated energy sources
- + Self-healing of the grid
- + Predicted maintenance requirements
- + Run network simulations in real time

Energy IoT.

Energy IoT are a form of middleware, or several layers of technology that connect a series of devices, no matter how diverse in form, function, or protocol. For our customers, Energy IoT mean a set of ready-to-use features that streamline fast development applications for connected devices, and that ensure scalability and cross-device compatibility.

Data leading to a better life.

An Energy IoT is a powerful multi-layer technology that enables straightforward provisioning, management, and automation of connected devices within the Internet of Things universe.

We achieve added value through correlation of data from different sources and by finding new relations between data and thus revealing new information.

FEATURES

- Analytics
- Open API
- Data streams
- Robustness
- Open communication
- Device and identity management

HARDWARE COMPONENTS

- Gateways
- Data concentrators
- Electricity, water and gas meters
- Sensors

SOFTWARE COMPONENTS

- Energy IoT

SERVICES

- Design
- Deployment
- Maintenance
- Consultancy

BENEFITS

+ One central point of data collection
+ All sensors in one single system
+ Less effort expended on training
+ Higher level of automation
+ Transparent view of data on one dashboard
+ Extraordinary analytic capacity

Smart Water.

Digitalized water solutions based on the Internet of Things (IoT) provide the necessary tools to address the most important challenges of modern water utilities: revenue collection, efficient water metering and consumption billing, reduction of NRW, customer service and awareness, efficient utilisation of assets and mobile workforce management. Our smart water solutions give utility companies the advantage of sustainable financial and technical operation.

Addressing the most important challenges of modern water utilities.

As water utilities increasingly evolve into subscription-based business models, our smart water solutions are a perfect tool to fit this trend. The solution package composed of an array of coordinated smart meters, through communications up to data management and software services for metering, billing, customer engagement, and network optimization.

FEATURES

- Active leakage detection
- Smart Water Metering and Billing
- Smart Prepayment
- Analytics & BI
- Mobile Workforce management
- Asset Management

HARDWARE COMPONENTS

- Residential water meters with communication
- Bulk, Zone and Source meters with communication
- DMA flow, temperature and pressure sensors
- Data Loggers
- wM-Bus, LoRaWAN and NB-IoT modules

SOFTWARE COMPONENTS

- Meter Reading
- Active Leakage Detection (DMA Metering)
- Billing system
- Customer Portal & Apps
- Workforce Management
- Asset Management
- Analytics (NRW) & Events Reporting

SERVICES

- Project management
- Planning
- Rollout
- SaaS, SMaaS and IaaS operations

BENEFITS

+ Accurate metering in all water sources, end consumption points and district metering areas (DMA)

+ Improved revenue through NRW reduction

+ Faster executing of repairs and regular maintenance through mobile workforce management

+ Enhanced customer satisfaction and experience with greater billing accuracy and no supply interruptions

Smart Prepayment.

Our smart prepayment solutions integrate a vending system with powerful AMI infrastructure. This comprehensive service facilitates a range of functions, including remote prepayment, meter reading, remote control, and more. Smart prepayment solutions offer utilities better control over their grids leading to savings on technical and commercial losses.

Bill as you go, with real-time data.

Using advanced communication and metering technologies, our smart prepayment solutions measure, detect, collect, manage, and analyze energy data automatically, providing valuable insight to both utility and customer. It serves as a qualified, reliable, and secure electrical service for customers to allocate their resources much more reasonably, reducing the loss of energy and saving costs.

FEATURES

- Distribution system
- Renewables
- Microgrid
- Ancillary services
- Trading services

HARDWARE COMPONENTS

- Prepaid Meters
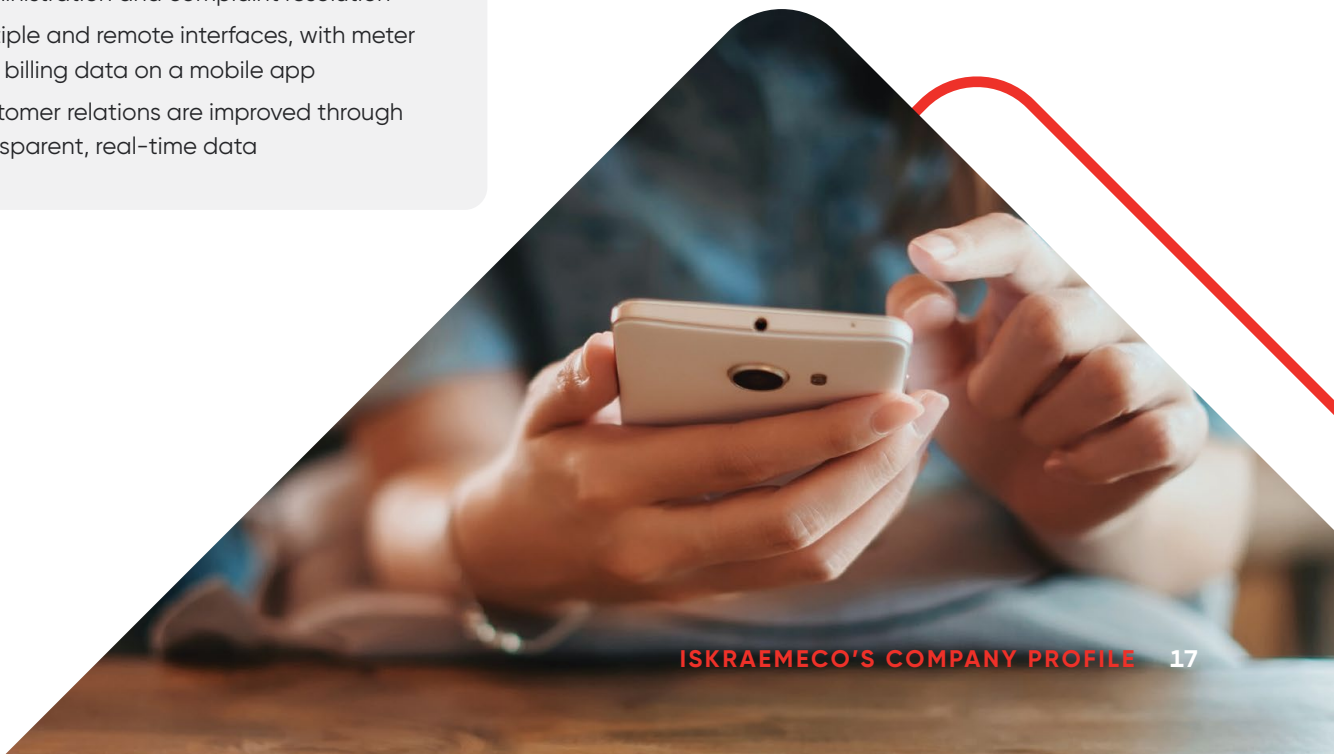- Data Concentrator Unit (DCU)
- Customer interface unit (CIU)
- Network

SOFTWARE COMPONENTS

- Web Client
- Billing
- Display of reports
- Communication

SERVICES

- Data Center and Head Office
- Installation
- Maintenance
- Consultancy
- SMaaS
- Project management

BENEFITS

+ Credit can be purchased through an app anywhere and anytime

+ Utilities save immense resources on administration and complaint resolution

+ Multiple and remote interfaces, with meter and billing data on a mobile app

+ Customer relations are improved through transparent, real-time data

Driving force behind our business decisions.

Smart cities, digital grids, cutting-edge technologies and new work methods require a different way of thinking and an innovative approach to the challenges facing the metering industry. With the rapidly changing market conditions, we need to keep up with the new trends and make quick decisions that are deliberate and strategic. INNOVATION, SECURITY and CONNECTIVITY are the three core components embedded into our business mentality.

CONNECTIVITY

Connectivity in an essential feature of all our solutions. Our products and services are able to operate within any existing protocol and any existing connection technology. We are able to tailor our solutions to comply with third party systems and grids. Our products support exchangeable communication modules, which can implement various communication technologies that are abstracted on an application level.

SECURITY

Digital transformation and Internet of Things bring new and ever-changing technologies and processes, challenging us to innovate and adapt our business and work practices. Information security is a major concern in the digital era. As a solution provider, Iskraemeco is continually integrating and upgrading multilevel end-to-end security across the entire communication chain, focusing the attention of the entire organization on this important issue. Continuously adapted to evolving customer needs, security is at the core of all layers and components of our smart metering solutions. We deliver a complete metering and data environment operating like a secure union, for which we have developed a key management system that is the heart of Iskraemeco's security infrastructure.

INNOVATION

Our team's innovative spirit is the driving force of progress and a vital element of our business development. Innovation and the generation of ideas are essential components of our corporate culture, supporting long-term vision, strategic thinking and competitive edge. Cooperation within the team as well as with our partners, external professionals and all stakeholders is our ticket to a successful implementation of new ideas that help us bring new and improved products and services to life.

Markets of influence.

Global company with local presence

Regional manufacturing facilities and service hubs

Knowledge hub in Slovenia, India and Egypt

More than 1500 employees worldwide

Exporting in more than 80 countries

Manufacturing bases with total of 100.000 sq ft

COLUMBIA

ARGENTINA

IE Company
SWEDEN
UNITED KINGDOM
NETHERLANDS
GERMANY
SWITZERLAND
BELGIUM
SLOVENIA
FRANCE
BIH
RUSSIA
EGYPT
SAUDI ARABIA
UNITED ARAB EMIRATES
INDIA
NIGERIA
ZAMBIA
MALAYSIA

● IE Company
● Production facility
○ R&D Center

Together we achieve more.

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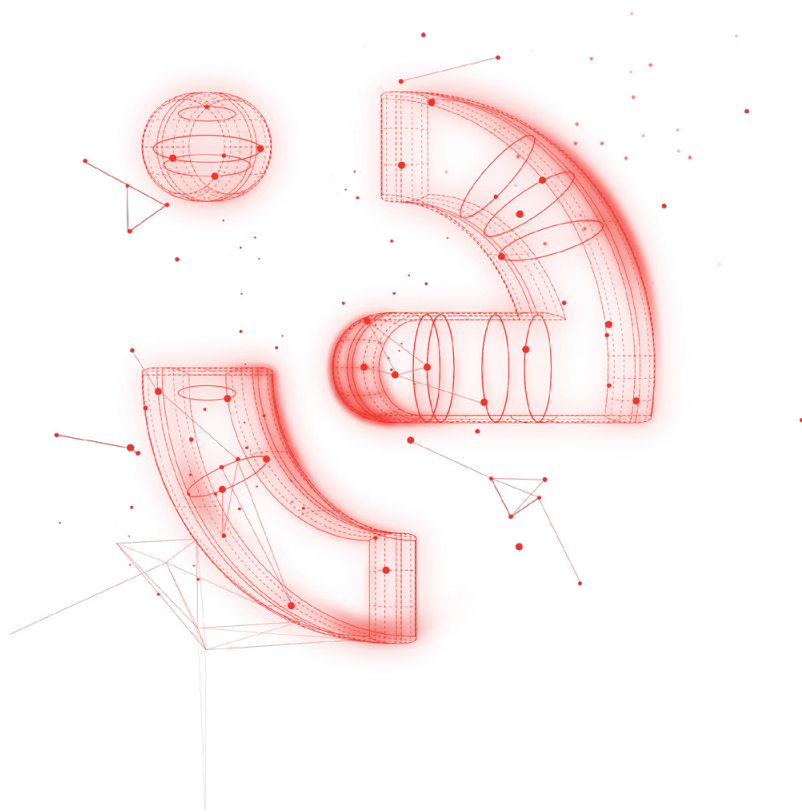Phone: +60 5 32 20 233

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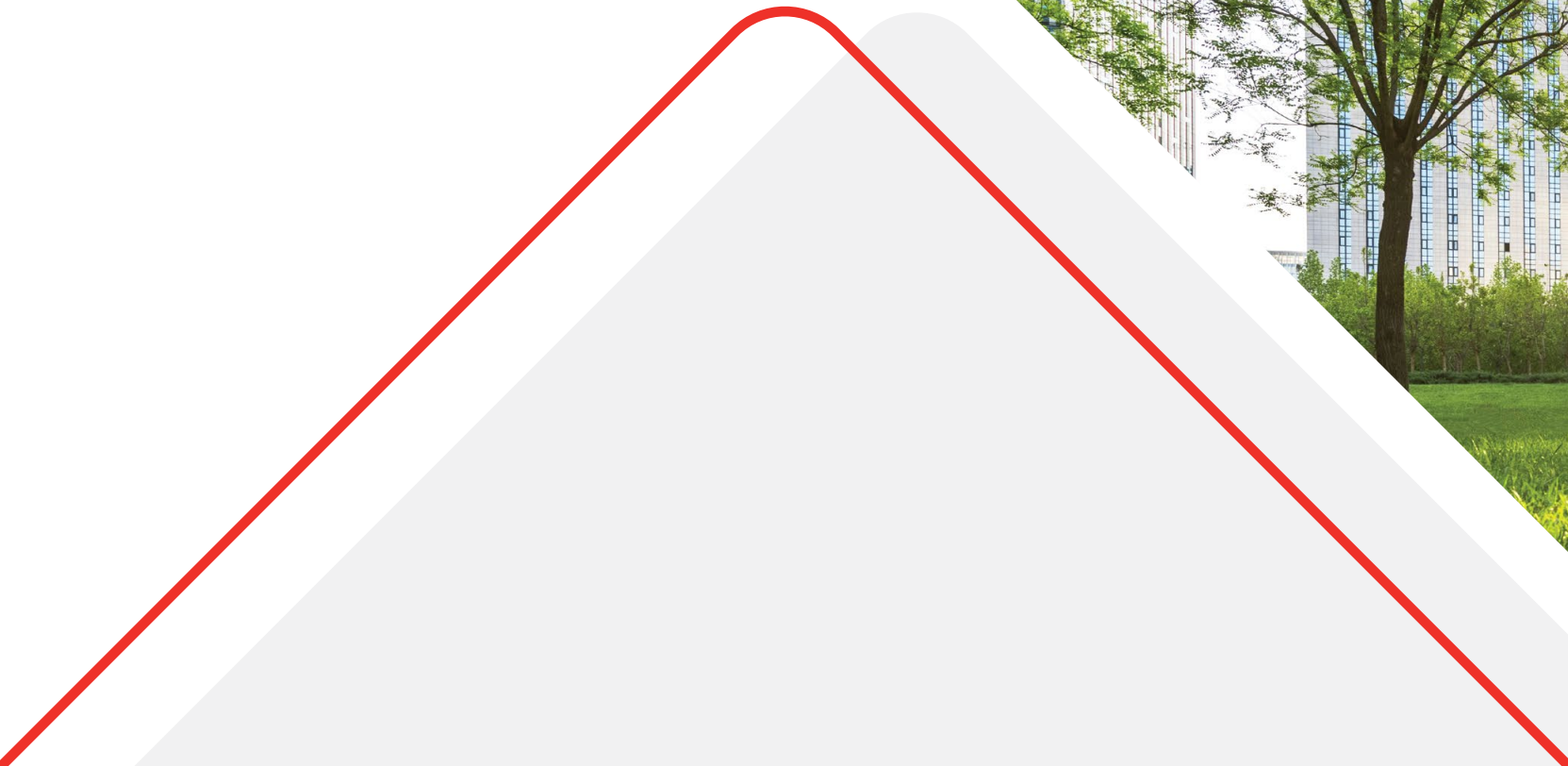E-mail: Iskraemeco.latam@iskraemeco.com
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