

Improve your **energy management** today – save money and environment for tomorrow

Innovations and solutions to **measure** and
control energy more efficiently



Think energy



Iskra®

Iskra MIS

From your problems...

Why are you paying **too much** for electrical energy?



High energy consumption

Could you **reduce the consumption** without affecting processes?

Your energy consumption **can be reduced** without affecting activities and processes. High energy consumption is caused by **poor efficiency** of your electrical installations and equipment. Losses, heating, discontinuity of electrical supply, high number of breakdowns are caused by **inadequate power quality**. This results in **high energy and maintenance costs**.



Unmeasured consumption

Do you **control the use** of your energy **sufficiently**?

Without use of measurement system, you do not know **when** and **where** you use **electrical energy**. You can't even be sure whether your estimation of energy consumption is **measured accurately**. An accurate measurement system should provide you with most relevant data to **analyze** in order to **act and reduce** high costs of energy.

Poor electric power quality effects your productivity

Do you know you can **prevent continuous breakdowns**?

Breakdowns and **stoppages** in your installations and electrical equipment are often caused because of **poor electrical quality**. The presence of **reactive power**, **harmonic disturbances** and **peaks of maximum demand** contributes the most to poor efficiency. This results in higher **costs**, **waste of time** and **ecological damage**.

Manual data recording

Do you still collect your data **manually**?

Operations on **several locations** mean a high number of **dispersed measuring points**. For efficient management all data need to be **integrated** in a single database. This usually requires **additional staff** to read and enter collected data manually. Besides **unnecessary waste of time** and **money**, **the potential risk of inaccuracy** is always present.

Measure

to know **where** and **when** your energy is used.

Install **measuring centres** and **analyzers** on main energy consumption lines. **Integrate recorded data** with a remote data collector by various communication means. By using **Iskra software application**, your measured data will be stored to **analyze** or **integrate** in any other software application.

Analyze

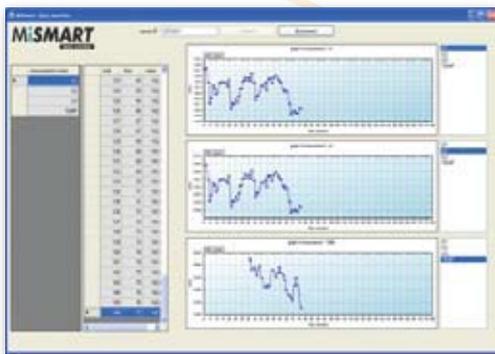
to understand how to **improve** your **energy efficiency**.

Provide yourselves with a **precise view** of your energy quality and consumption by analyzing recorded data with **energy management software**. Locate the processes and points where unnecessary **losses occur**. Realize when and where your maximum **demand peaks** emerge. Estimate savings and feasibility of investments for improved energy efficiency.

Act

to **reduce** your **energy consumption**.

Prevent stoppages and breakdowns of your electrical installations and equipment in order to **improve** your electrical power quality by **reducing** disturbances in your electrical network. Reduce **maximum demand peaks** with the use of a **demand management** system. Use SCADA software for optimizing and **automating** of your processes. **Optimize** your electric contract by planning secondary power consumers. Reduce CO₂ emissions and help protecting our environment.



MiSMART

Smart approach for intelligent systems.

Remote monitoring of electric energy distribution system

It enables remote measurement of main electrical parameters and real time event reporting. A perfect and cost effective solution for permanent power supply monitoring in combination with our MC760 Network Analysers. Reports according to EN50160.

Measuring equipment and server client application

Innovative "Push" technology of data transfer in XML or binary form from devices (instruments...) to an MSSQL server. The use of standard Ethernet communication and the possibility to export data in the existing database.

Excellent solution for system integrators

Integration into your system has never been easier.



MiLOGIC

Professional tool for energy management.

Increase your energy performance

Tools for analysis, trends, predictions and evaluations. Find out and regulate energy flows in your company.

It includes

The analysis of process, setting of measuring points and installation of measuring devices and sensors. Complete training of users for efficient use of software tools.

Give your energy manager a powerful tool to measure, analyse, act and save money

Improve your carbon footprint and help saving the planet. Small actions for big contribution.

...To our solutions.

You can **save** up to **30%** of your costs for electrical energy.



Save money

and become more cost **efficient** and **competitive**.

Reduce your energy costs by improved **efficiency**, **lower consumption**, **decreased disturbances** and **negative impacts** to the environment.

Wireless Radio Systems

Automated remote monitoring

Minimum costs with setting up the system on new or existing infrastructure.



The most efficient LPR (868 MHz) system in the world

With innovative patented technology, capable of excellent penetration through the walls, and Ethernet based data concentrators with high receivers capacity and mesh network functionality any infrastructure can be covered.

Gas, water and electricity metering

A perfect and simple solution if you need to use a wireless radio system to cover existing or new meters. With up to 10 years of endurance. Fit and forget is our motto.



Power Factor Correction Systems

Improve your PF

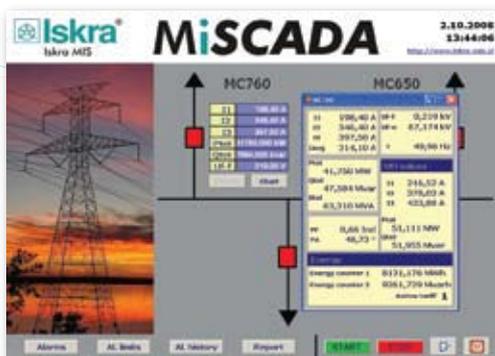
Most electrical devices such as asynchronous motors, collective motors of rotation current, transformers, etc. need working power and reactive power for their own activity. That results both in additional costs for energy supply and also in additional loads on transmission lines and other elements.

Passive and active compensation

Such conditions can be improved with compensation of reactive power by fitting a suitable capacitor between the inductive consumer and the generator.

For industrial plants, public institutions or other big consumers of electrical energy

We can use individual, group or central compensation according to the needs of our customer.



MiSCADA

Real time **monitoring** and **visualisation**.

Complete control of the process

With local or remote control and customized visualisation it is easy to achieve optimised performance.

Connection and integration of various devices

Whether you have the existing infrastructure or you are preparing a new one, we can help you establish complete control and automation of the processes.

Industry automation, transport, energy distribution

With the use of one of the best SCADA systems we can cover all your needs.

Every energy system can be optimised **better.**

Iskra MIS is there to help – with solutions for improved measuring and controlling of energy.

Save **money, time and environment.**



Our **solutions** innovate your business.

Together with our experts you can establish an adequate **system of surveillance over the consumption of your energy, forecasts and measurements in real time**, whereas your energy consumption as well as your **expenditures will be significantly lower.**



You will spare your time more efficiently by **innovative and simple use** of Iskra MIS solutions. They enable **automatic remote readings** of all energy data.



Measuring the quality of the electric energy system according to EN 50160 you will be able to **improve the quality** of your **energy system**, and detect your losses and eliminate them more quickly. Maintaining your machines and devices properly will **save you money** and **maintain the environment** for the future generations.



Use our solutions for your **benefits.**

- lower consumption and cost for energy products
- automatic remote readout of consumption of all energy products
- fast energy analysis and forecasts
- supervision of electric energy quality
- simple and low-cost system installation, integration and introduction
- decrease of costs by informing a user in real time and possibility for immediate action
- faster correction of failures by means of analysis and location of failure in network
- inspection of consumption and detection of losses in network together with the possibility of eliminating reasons for losses

Make the **smart** move.
Contact us.

