



# ENERGY SERVICES

**Motto:** *Energy is expensive but we are able to save a large amount of that expense to our clients.*

## BENEFITS

We substantially **reduce the power consumption and energy bills.**

We actively **seek savings** in operation.

Thanks to preventive measurements and remote monitoring we **exclude unplanned downtime.**

# ENERGY SERVICES

## **Active energy management**

- The process of managing energy needs of the client in the production, distribution and consumption of energy.
- On-going monitoring, evaluation and management.
- The main objective is to provide economical, reliable and environmentally considerate operation during coverage of all energy needs of the client.

## **Optimization of contractual relations with energy suppliers**

- Selection of the appropriate energy supplier and negotiating supply conditions.
- Checking the values measured and comparing them with the negotiated values.
- Estimation of the maximum values, optimisation of additional monthly capacity.
- Monthly / yearly negotiation of additional purchase of reserved capacities.
- Minimisation of sanctions and penalties associated with the purchase of energy.

## **Remote monitoring technology**

- On-line data provide the possibility of a shorter reaction time for finding non-standard conditions.
- Collecting data from all data points - instant withdrawals of el. energy, power factor monitoring, fault conditions, etc.
- Monitoring of production - eg. hourly, shift evaluation of the energy management of the company.
- Historical and real trends - operative graphical display of scanned data.

## **Thermographic measurement**

- Preventive measurements enables us to focus on pre-selected sites, as a result, targeted intervention is ultimately cheaper.
- When finding a serious fault, the reaction is instantaneous and without a risk of accident.
- Measurement of electrical cabling, piping, machinery, buildings.

## **Analysis of electrical networks (HV, LV)**

- Measurement and prevention is one of the ways of how to reduce expenses.
- Increasing the reliability of the electrical equipment.
- Prevention of accidents.

## **Technical reports, studies, conceptual designs**

- Expert assessment of the technical condition of the equipment within the range specified by the customer, which leads to energy savings or to an increase in reliability.
- It contains a description of the design changes, necessary investments, savings and return on investment.

## **Energy projects with guaranteed savings**

- We guarantee customer energy savings.
- Projects focused on reconstruction of lighting arrangements, measurement and regulation, heating, energy recovery, cogeneration, etc.
- Thanks to continuous monitoring, we suggest continuous optimisation.

## **Energy Audits (EA) licenses of buildings (EPC)**

- To prepare an EA and EPC is an obligation determined by law.
- EA and EPC are a source of valuable information and can be a good starting point for implementing energy-saving projects.
- ČSN EN ISO 50001 - a system of energy management.

