





## ENERGOPROJEKT-KATOWICE SA

### CONTACT

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### TECHNICAL PROJECT MANAGEMENT AND INVESTOR'S SUPERVISION

For entities that do not often implement significant investments in energy infrastructure, we offer a project management service – a project manager with the tools and necessary support in the resources to perform the task in accordance with the PRINCE2 or PMI methodology. As a part of our activities, we also develop materials necessary for the contracting of equipment and services (TOR, RFI / RFQ), we carry out investor's supervision, we fulfill obligations under the Construction Law. Examples of areas: transformer stations, distribution stations, bio-gasification, local boilers (gas, oil, coal), photovoltaic and wind power plants, CHP plants up to 50 MW, street lighting modernization.

### FINANCIAL ENGINEERING

Investment financing is one of the key elements of the decision-making process. We offer a product based on the analysis of possible sources of financing, including available aid funds, development of analyzes and documentation necessary to obtain funding. We present an economic analysis comparing sources of financing, risk assessment and recommend an optimal investment model.

### COMPREHENSIVE INVESTMENT IMPLEMENTATION

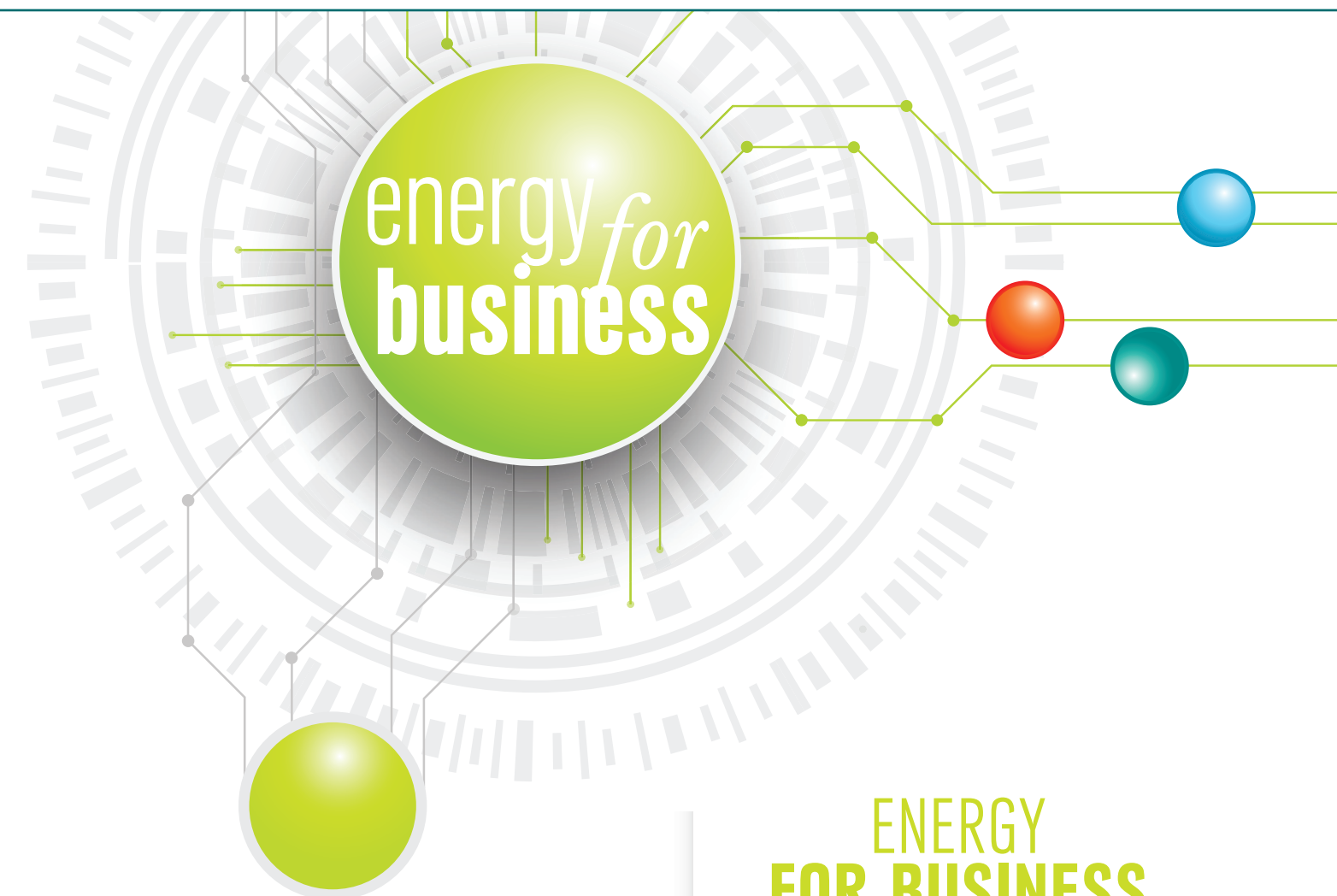
At the Customer's request, each of our products can be supplemented with the stage of investment implementation. Then we are a partner who accompanies the client in the analysis phase, development of the solution concept, economic analysis, choice of solution and its implementation. We run the entire investment process on behalf of the client and provide ready-made infrastructure for use.

### COURSES & TRAININGS

Technical issues do not have to be difficult – we work together, educate and train employees of our business partners.

### MAINTENANCE AGREEMENT – TECHNICAL SUPPORT





We stay with the client for a longer period, we create long-lasting and partner relations. In the era of cost optimization and orientation on core operations, our clients do not have their own resources responsible for energy issues. In such situations, we provide constant support in dealing with the external environment, monitoring the condition of the infrastructure, and assessing the achieved KPIs.



## ENERGY FOR BUSINESS

As part of the comprehensive package of services „Energy for Business”, we provide technical and operational support in the process of implementing innovative and effective energy management in the company.

#### The product is aimed at:

-  optimizing the costs of energy media (reduction of energy purchase costs)
-  improving the energy efficiency of the enterprise,
-  improving the energy quality and reliability of the plant's power supply system,
-  limiting possible costs of production losses resulting from power loss.

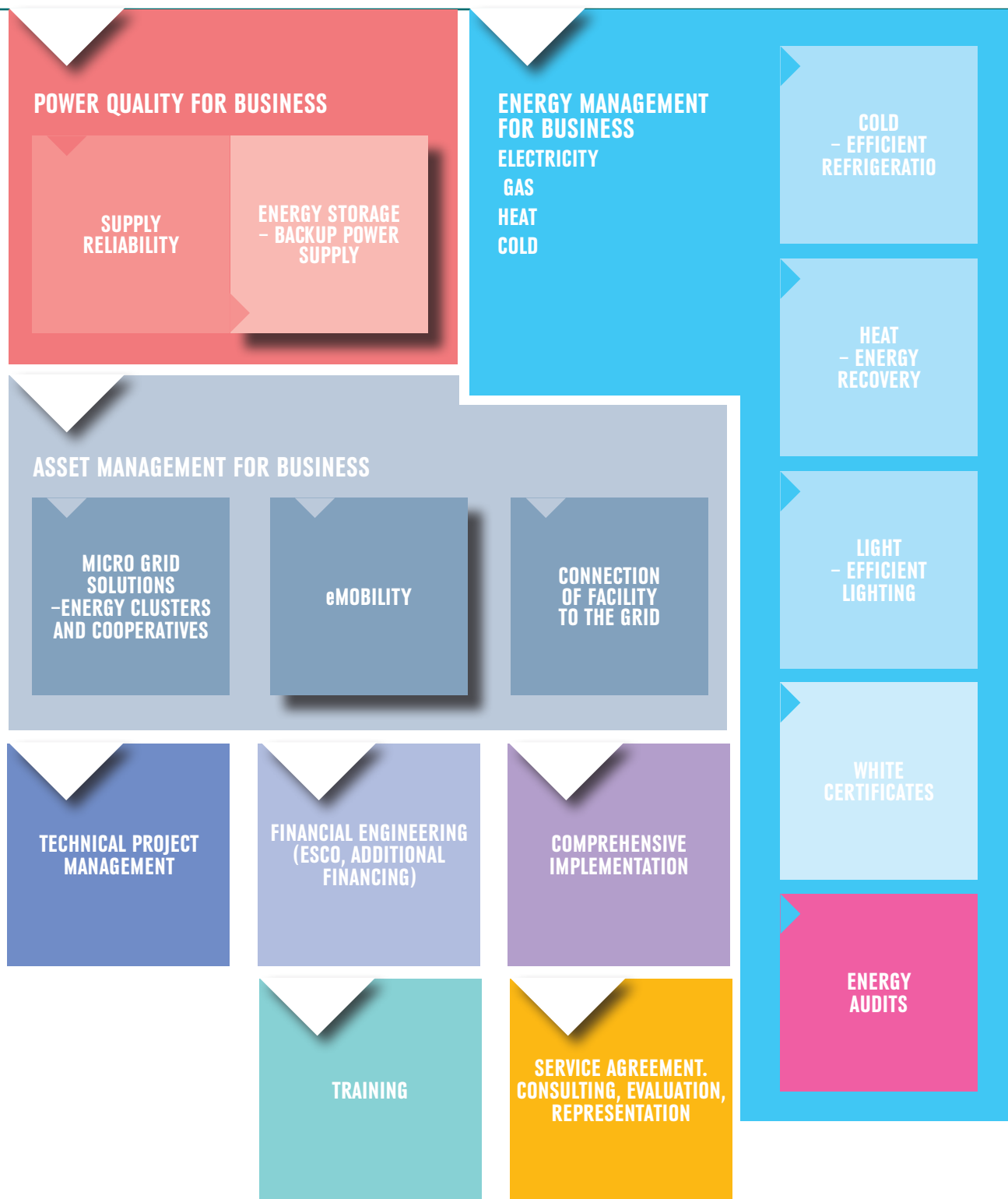
**Our products can be freely configured to best suit your needs.**

## NEW ENERGY PACKAGE

The idea of packages for Business consists in the free composition of services most suited to the client's needs. We are a company with experienced engineers from many disciplines.

We focus on quality and competence, **we can be flexible and build lasting relationships with our Partners.**





## ENERGY MANAGEMENT FOR BUSINESS

We take steps to ensure that our customers optimize their energy consumption and ultimately reduce the cost of purchase. We focus on electricity, but we also have specialists in other energy media

- Analysis of energy demand
- Identification and evaluation of the operation of key infrastructure areas
- Measurement and analysis of the electricity consumption profile
- Selection of the optimal tariff
- Proposal of measures to reduce energy consumption
- Proposal of measures reducing the cost of energy purchase
- Economic analysis and management report

## HEAT RECOVERY & IMPROVEMENT OF COOLING SYSTEMS EFFICIENCY

A proposal for entities where waste heat is generated in the production process or as a result of operation of technical infrastructure devices or a significant amount of energy is used in the process of generating cold.

## EFFECTIVE LIGHTING

This product is dedicated to entities for whom lighting of the work surface is important. We analyze the compatibility of existing lighting with the applicable regulations, we implement the concept of replacing lighting with energy-efficient ones, along with an offer to automate and control energy consumption online.

## ENERGY AUDITS AND ENERGY EFFICIENCY CERTIFICATES

A complementing activities related to Energy Management is conducting of an Energy Audit in accordance with the requirements of the Energy Efficiency Act or for the purposes of obtaining energy efficiency certificates. The final element may be a formal procedure to obtain the so-called white certificates.

## ENERGY QUALITY FOR BUSINESS

We offer a comprehensive approach consisting in identification of the causes of potential problems with power supply, analysis of the technological process, designing several scenarios for solving problems, preparation of necessary formal and technical documents.

### POWER SUPPLY RELIABILITY

In many cases, the production profile of our customers requires high reliability of power supply. We strive to ensure that our customers' energy security is at the highest level.

- Diagnosis of the problem in terms of the customer's production profile
- Identification of sensitive technological lines
- Necessary measurements of the electric energy quality analyzer
- Comprehensive analysis of the power system
- Cooperation with a local DSO
- Calculation of inputs and savings

Economic analysis and management report

### ENERGY STORAGE - BACKUP POWER SUPPLY

For particularly sensitive processes, we use non-standard solutions, examples of which are electric energy storage facilities based on lithium cells or supercapacitors.

- Selection of energy storage based on supply reliability analysis
- Definition of basic parameters and functions performed by the storage
- Technical design for connecting the storage to the internal installation
- Economic analysis and management report

## ASSET MANAGEMENT FOR BUSINESS

Proposal for entities with extensive energy infrastructure and lack of dedicated resources for engineering support of such assets (in accordance with ISO 55000).

- Inventory of existing assets
- Analysis and conditions assessment of assets – determination of KPIs
- Developing a strategy for maintaining and developing assets
- Development of operating rules, technology sheets, standards
- Development of investment, renovation and operation plans
- Contacts with TSO, DSO, UDT, and ERO
- Supervision and evaluation, cyclic management reports

## MICRO GRID SOLUTIONS - ENERGY CLUSTERS AND COOPERATIVES

We offer comprehensive technical support for entities creating their own energy networks or creating clusters. The service includes, among others, energy balance, energy consumption profiles of connected entities, network configuration as well as the selection of the optimal tariff.

We also deal with network automation, remote supervision and communication. We can also be a support in relations with the Energy Regulatory Office, including procedures related to the acquisition of a concession or the functioning of the distribution system operator.

## eMOBILITY

For the customers interested in developing eMobility, we offer technical support based on the analysis of the construction of the charging station, including the impact on the power grid and the indication of the optimal location. We offer preparation of the construction plan for the charging station, the selection of technical parameters and the procedure for connecting to the network. For existing stations, we propose a property management service.

## NEW CONNECTION TO THE TSO OR DSO GRID

As part of the service, we perform all formal obligations arising from the Energy Law and other regulations in order to connect the facility to the power grid, including RES. We represent the entity being connected before the TSO or DSO in the process of obtaining the connection conditions and concluding a connection agreement. We help in the formalities related to the development of cooperation instructions, reconstructions of power connections, agreeing the collisions with the operator's infrastructure.