



*... technology in harmony with nature*

**TEDOM<sup>®</sup>**

# philosophy

All the areas of business activities carried out by TEDOM are connected by a common philosophy - effective and environment-friendly use of energy fuel resources. We fulfil this philosophy especially through production of equipment serving for a combined heat and power production, as well as by operation of technologies aimed at the use of renewable energy resources. In these fields we belong among leading manufacturers, operators and exporters. We endeavour to promote our philosophy in all the fields of our business, that is why we focus on alternative fuels also in connection with production of transport technologies.



# history

## **1991 – FOUNDATION OF THE COMPANY**

TEDOM s.r.o. was founded in Třebíč. Its object of business is formed by development and production of cogeneration units with gas combustion engines.

## **1994 – ESTABLISHMENT OF THE HOLDING**

The holding structure of the firm has started to form since 1994. Through its subsidiaries, TEDOM gradually operates its thermal-energy systems in several towns of the Czech Republic, since 2000 it has been extending its activities to Slovakia as well. Already since its foundation, TEDOM has cooperated with the production plant in Hořovice, with which it made a capital merger in 1995.

## **2001 – ELECTRICITY GENERATED FROM BIOGAS**

We set out on our way in support of alternative energy resources, and we offer our customers cogeneration units designated for combustion of biogas. The company itself then started to deal with energy-efficient use of the landfill gas in a number of solid municipal waste landfill areas in the Czech Republic, later on in foreign countries as well.

## **2003 – EXTENSION OF PRODUCTION CAPACITIES**

New buildings for power engineering production and a large storage area of spare parts for cogeneration units are constructed in Výčapy. At the auction, TEDOM purchases the engine production plant of the former LIAZ company and incorporates it into its structure as a separate “Engines” division within the framework of the parent company, i.e. TEDOM s.r.o.

## **2004 – BUS ON THE STAGE**

We have decided to extend our product range with a low-floor city bus which we fit with our own gas and brand diesel engines. The bus production is dealt with by the newly established BUS division, included again as a part of the parent company “TEDOM s.r.o.”. For the purpose of bus production we opened a new production plant in Třebíč in 2006.



From a small company with several employees we have developed into a firm which achieves, with more than seven hundred staff members, an annual turnover about EUR 70 million. The production of power energy equipment is effectively interconnected with production of road vehicles through the manufacturing of our own engines. We continue to base further development of our company on the implementation of such activities which lead to an effective use of fuels, as well as on an active approach to the fulfilment of the European Environmental Policy.

# quality

## **EMPHASIS PLACED ON QUALITY**

All the production processes are subordinated to strict quality control procedures. This results in high-quality products and satisfaction of customers. The Quality Management System according to the international standards "ISO 9001:2000" was certified at our company already in 2001.

## **RELIABILITY**

Our cooperation with customers does not end with the sale of our products. We endeavour to create a reliable partnership relation within the framework of which our customers can contact us at any time with their requests for technical assistance, services or a consultation of problems only. Through our own servicing background facilities and cooperation with foreign partners we are capable of ensuring technical servicing of our equipment all over the world.

## **EXPERIENCE**

Our indisputable advantage is that we are not only manufacturers of technologies, but also their large operators. We can therefore transfer all the experience resulting from the operation of our own machines immediately and without any intermediaries into the development of new technologies.

## **RESEARCH AND DEVELOPMENT**

A large emphasis is placed on a continual development of new technologies. Our specialists cooperate with universities and top development workplaces on our country as well as abroad.



# ecology

## **IN HARMONY WITH NATURE**

An important aspect of our business is protection of the environment, which is also one of the decisive criteria for our production that was certified in 2004 according to the international environmental management system standards "ISO 14001:2004".

## **COGENERATION**

Cogeneration means the use of heat during electricity generation. This brings large savings of primary fuel resources in a magnitude of several dozens of percentage points in comparison with separated electricity generation and heat production.

## **RENEWABLE RESOURCES**

Our aim is to generate clean energy with minimum loss. That is why we enable our customers to use, besides traditional energy resources, such as natural gas, also renewable energy resources, such as biogas, landfill, treatment or mine gas.

## **ECOLOGY BRINGS SAVINGS**

The experience gained during the environment-friendly energy generation and heat production are transferred by us to other areas as well, where we extend our activities – for example our buses and trucks can use for their drives modern gas engines with minimum emissions, low noise levels and with markedly lower operating costs.



# production plants

The production capacities of our company are deployed in several locations of the Czech Republic:

**Cogeneration units** are manufactured at TEDOM-VKS s.r.o. in **Hořovice**. The business section, servicing and production of electrical items are in **Výčapy**, the business and servicing facilities of cogeneration units for the C.I.S. countries are situated in **Jablonec nad Nisou**.

**Electricity generation and heat production activities** are managed from **Výčapy**, the operation plants are distributed all over the Czech Republic as well as abroad.

Production of TEDOM **engines**, their development and design are concentrated in the seat of the TEDOM ENGINES division in **JABLONEC NAD NISOU**.

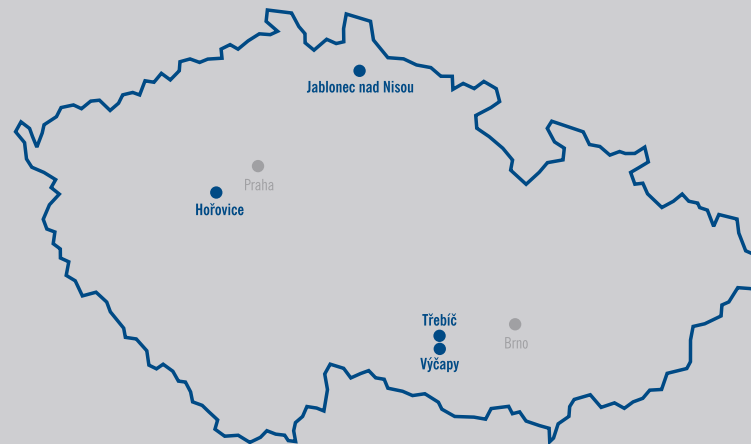
For **bus** production our company opened a brand-new plant of the BUS division in 2006 situated in the industrial zone of the Town of **Třebíč**.



TEDOM ENGINES  
production plant  
in Jablonec nad Nisou



production  
of cogeneration technology  
in Hořovice



TEDOM BUS  
production plant  
in Třebíč



the TEDOM  
headquarters  
in Výčapy

# tedom in the world

The beginnings of the business activities of TEDOM are connected especially with the building up of the firm position on the domestic market and later in Slovakia as well. Already shortly after our foundation, however, we started to build up a distribution network of foreign partners, and currently we export our products to more than 30 countries all over the world.

At present, our company is represented through subsidiaries and business offices in Hungary, Latvia, Russia and the People's Republic of China.

We export more than one half of our production volume to European countries and Russia, we export our product to the countries of Eastern Europe as well. Important markets with a large marketing potential for us are the U.S.A., Canada and Australia.

Besides the existing sales areas, we develop our activities also on emerging markets, such as India, some countries of the Near and Middle East and those of Southern Africa.



# cogeneration



## **COGENERATION**

In the field of cogeneration technologies we belong among the important world manufacturers and exporters. On both the domestic and world market we occupy leading positions especially in the field of small and medium-size cogeneration.

## **COGENERATION UNITS**

Cogeneration units are devices serving for combined heat production and electricity generation. Cogeneration units can be used in all buildings with all-year-round demands for electricity and thermal or cooling energy consumption. A properly selected cogeneration technology is able to provide its operators with a significant operating cost reduction.

## **CAPACITY RANGE**

We offer to our customers cogeneration units based on reciprocating internal combustion engines which are adjusted for combustion of natural gas or biogas in the capacity range from 5 kW<sub>el</sub> to 2 MW<sub>el</sub>.

# power engineering



## **POWER ENGINEERING PRODUCTION**

Besides the production of cogeneration technologies, we deal with renovations and operation of thermal-energy systems as well. We have renovated the systems of central supply with heat, including hot-water distribution systems in dozens of towns in the Czech Republic as well as Slovakia.

## **POWER ENGINEERING SERVICES**

We provide a full-range of power engineering services which include the drawing up of a study, design documentation, renovation, upgrading or construction of energy systems, including the provision of funds and assurance of their operation.

## **ENERGY GENERATED FROM WASTE**

In the Czech Republic, we are the largest producer of electricity generated from landfill gas. On the municipal waste landfill areas we operate energy resources, and within the framework of these activities we generate there about 65,000 MWh of "green electricity" per year.

# engines

## COMBUSTION ENGINES

We deal with production of combustion engines for stationary as well as mobile applications with the use of natural gas, biogas and diesel oil. Stationary versions of our engines are used, besides the applications in cogeneration processes, also in generator, pumping and compressor units, possibly also as drives for mechanical assemblies. Mobile versions of the TEDOM engines find their use in the production of buses, trucks, railway cars or building and farming machinery.

## CAPACITY RANGE

We offer to our customers engines in the capacity range from 80 to 300 kW, in a wide spectrum of models in both gas and diesel designs.

## ECOLOGY

We place a large emphasis on environment-friendly operation, that is why you can find engines meeting such emission standards as TA LUFT 2002, UIC II and EURO IV in our offer. The development of engines always continues and it is focused on further reduction of exhaust gas emissions.



# buses

## ENVIRONMENT-FRIENDLY DESIGN

Buses are the latest extension to our product portfolio. We specialise especially in their environment-friendly designs with natural gas (CNG) engines and we equip them with our own modern, electronically controlled engines.

## LOW-FLOOR VERSION

We manufacture gas buses in low-floor city and suburban versions. From the viewpoint of their operators, they are comfortable not only thanks to the comfort for passengers and people with impaired mobility, but also thanks to lower operating costs, lower noise levels and significantly lower content of pollutants in exhaust gases.



