

THE BOILER-ROOM FOR COMBUSTION OF WOOD CHIP IN MALACKY, TERMMING, a. s.

The company TERMMING, Inc. was established in 2006, when two other companies merged in to one unit. It involve the company Terming, Ltd., that aim was to solve the problem of uneconomical and low-class heat supply in the locality Bratislava – The Old Town and , the company SLUŽBYT MALACKY, Ltd., that worked in the field of heat supply for heating and hot water supply and management of flats and non-flat spaces

In the same year, the company decided to build up the boiler-room for combustion of wood chip in Malacky, when it was also put into operation. The boiler-room supplies by heat and hot water the half of inhabitants of Malacky that are line up at central heat supply. Due to the modern technology, heat is produced by burning up of wood chip, whereupon it involves dual-fuel solution – two boilers for wood chip can completely substitute natural gas (with exception of extremes under -15°C).

The main reason for the decision to build up the boiler-room was the fact that gas price markedly increased in 2005 and the assumption of gas increase was in the future, as well. Heat production from chip is in comparison with gas explicitly more economical, and it means for the inhabitants as main customers 3 000 Sk – 5 000 Sk saved in a year. They decided to use a chip for its admittedly advantages in comparison with natural gas: chip is ecologically neutral, its price is stabilized in relation to economics in Slovakia, profit remains on the area of Slovakia and money are used to increase employment in the region, chip is renewable natural resource and by its use Slovakia is energetically independent. The most appropriate was the locality Malacky as it is surrounded by green energy – forest all around. Currently they supply by heat and hot water 49% of Malacky's inhabitants. The operation is fully automated and only minimal amount of tough polluting stuff and clear water steam leak out into the air by chip burning up. The company in Malacky owns chipper, which helps to chip delivered wood by its own.

Main actors are subjects of the network producer of energetic wood – producer and distributor of wood chip – producer and distributor of heat – customers of heat. Exclusive producer of energetic wood is branch unit Šaštín. The long-term contract is signed with this producer of chip. Main customers of heat in Malacky are households, local offices, shopping centers and primary schools. The company cooperates with the mayors of surrounding municipalities by the organization of wood waste collections. Transport of wood waste by these collections is ensured by firm TEKOS.

Strategic investment of building up alternative source – the boiler-room for biomass represented the amount of 53 million Sk. More than 50% was used for purchase of boilers for wood chip combustion from the Czech Republic. They were successful in obtaining the grant from EU and state budget (grant of Ministry of Economy for increasing the employment in region) in the amount of 14 million Sk. The loan was also used for financing this innovation.

The operation in Malacky organizes various collections of wood material and their aim is to educate the inhabitants to be responsible for the environment. For this purpose, they reach out mayors of surrounding municipalities, make agreements and on the basis of them the inhabitants have a possibility to carry wood waste on the concrete place. The wood material obtained from these collections is enough for one-day winter heating. The focus of these collections is apparent from this fact.

The company tries to present its results and to draw attention through its PR employer, magazine INFOTERMING, company's website, cooperation with journalists or eventually it organizes specialized seminars for its customers.

In addition, Termming, Inc. actively participated in Conference Forest Biomass in March 2009, where it i.e. presented short publicist movie.

The company wants to run the other three boiler-rooms in following years – in December 2009 in Senica, in June 2010 in town part of Bratislava – Vrakuňa and in 2011 in Skalica. The aim is also to increase the part of inhabitants which are supplied by heat from current 49% to 67% in the next time.