

# Efficiency and sustainability go hand-in-hand

‘THE BACKGROUND OF THE CURRENT DRIVE FOR ENERGY EFFICIENCY LIES IN A COMBINATION OF LEGISLATIVE CHANGES AND THE DESIRE TO SAVE COSTS,’ SAYS MR. MARTIN PAPEŽ, WHO HEADS THE ENERGY DEPARTMENT IN TEBODIN’S CZECH OFFICE. ‘AS ENERGY CONSULTANTS, OUR JOB IS TO PROVIDE SERVICES THAT ENABLE CLIENTS TO BE COMPLIANT AND AT THE SAME TIME IMPROVE THEIR COMPETITIVE STRENGTH THROUGH SMART ENERGY EFFICIENCY MEASURES.’

The current energy audits are a powerful tool to determine possible efficiency measures, Mr. Papež believes: ‘Even if previous measures would seem to have left little room for further improvements. The width of our experience can be helpful. We can suggest solutions based on knowledge from a variety of sectors, from office building construction to heavy industry. Furthermore, the Tebodin network makes it possible to take on cross-border assignments, such as the recent collaboration with our colleagues in Ukraine, where we jointly offered an energy audit and feasibility study for a Ukrainian client.’

## Reducing NO<sub>x</sub> emissions

A current example of energy efficiency improvement is the reconstruction of the TAMEH Czech Ltd. power plant in the metallurgical plant of ArcelorMittal in Ostrava. The essence of this project is the reconstruction of its coal burning boilers. Tebodin is performing the technical supervision of the project. Basis of the reconstruction is installing new, modern burners and auxiliary equipment for reducing NO<sub>x</sub> emissions. Besides, these burners enhance coal combustion, which effectively reduces coal consumption, guaranteeing a boiler efficiency of at least 5%.

Completion of the project is expected in June 2016.

## Energy and working circumstances

For Mitas, one of Europe’s leading producers of agricultural tires, the Czech office performed an audit that highlighted not only energy efficiency opportunities, but an improvement in working circumstances as well. Mr. Papež: ‘Some of the most frequently suggested changes are process related such as using process steam for heating water. But others involved improvements in lighting installations, not only saving energy, but also



*TAMEH power plant, Ostrava*

improving the quality of the working environment.’

As these examples show, services in energy auditing do not stop after presenting the audit reports. Mr. Papež: ‘Our engineers and consultants can help to make the improvements happen, through design, permitting, detailed

documentation and technical supervision of the implementation.’ ■