Introduction of energy management into Institutions
(Zavedení energetického managementu do institucí Zlínského kraje)

Key Achievements
- energy management implemented by more than 120 organisations
- increase of energy efficiency awareness among buildings administrators
- operational cost reducing
- data for energy-projects preparation

Data are recorded daily and sent the Energy agency monthly. These data are evaluated and processed into an integrated monitoring system. The agency staff provides the feedback to the organisation about the result and eventual discrepancies in data. If discrepancies are detected, the leading managers are contacted to solve the problem. Once a year broader analyses are carried out and investment plans are prepared depending on the results of energy management and available financial resources.

Main results
A monitoring system was created in the form of a spread sheet. An evaluation of data received from all organizations is carried out monthly. Eventual discrepancies in data sent are solved directly with building operators. The targets are in the process of being met. The effects are identified and measured using the integrated system, above all the energy savings on the run. In order to evaluate the real effects, parameters like the seasonal weather conditions or number of clients using the services are carefully analysed. Among the difficulties encountered was the fact that technical staff and managers in the target organisations weren’t properly trained for computer skills. So IT specialists had to be incorporated in order to train the staff. A positive result is a closer cooperation between organisations of the region and the Zlín region authorities as well as an improved knowledge in the energy field.

Lessons learned & success factors
A success factor is to get a common effort to reduce operational costs. Duplication of these actions in other areas should be quite easy and not very costly. The most important thing

Context and rationale
The Zlín region was searching for methods in order to reduce an ever growing consumption of energy and rising bills for energy. The main goal here is to set up a precise monitoring of energy consumption (including cold water consumption) and build a data collection system to provide all relevant organizations with precise information. The final objective is to save at least 10% of energy from the baseline consumption. Before, there were only one-way communication between consumers and the local organizations and their establishing authority. This was the reason for irresponsible behaviour from the organisations concerning energy consumption and this is why the project has been decided and implemented. The action fits in the territorial Energy plan of the Zlín region.

Description
The action consists in monitoring consumptions and uses of heat, electricity, gas and water, providing precise information to organisations established in the Zlín region and informing them about the possibilities of improvements. The target is to decrease the energy consumption and improve the energy behaviour of local enterprises and organisations. The action covers the whole area of the Zlín Region (NUTS3). The action has been running since 2006. At this time, 10 organizations were included in the monitoring system. In 2008, another 110 organisations were added leading to 120 members to date. The monitoring of organizations is divided into 4 basic groups: schools, cultural organizations, health care centres and social services. Technical staff of the organization is trained to learn how to monitor and record data. Then a trial operation is made, before the monitoring system can fully operate.
is to properly educate building operators and supply them with proper software and hardware.

**Implementation**

**Implementing structure and partners – governance**

The Action is supported by the Zlín region. The managing body for the whole action is the Energy agency of the Zlín Region, which is also the consulting and technical body responsible for the implementation of the action. The Energy Agency acts on behalf of and by delegation from the Zlín region.

**Financing and Costs**

This action has been realised as the part of the usual activities of the Energy agency. The exact amount of costs has not been calculated. Most of the costs consist of staff costs.

Human resources dedicated to the project: time of the staff of the Energy agency of the Zlín region plus technical staff of the relevant organizations.

**Time frame**

2006

**Contact & links**

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http://www.eazk.cz/zaklady-energetickeho-managementu/#more-41