# Project Summary

## Project Objectives
As part of the program "Energy Efficiency in Municipalities" in Ukraine the consultant developed and implemented a 1 week training course in Germany for two Ukrainian groups with 27 participants each. The program was designed for decision makers and staff, which operate and maintain public buildings and want to improve their capacity to make right decisions regarding a city’s energy management and energy efficient solutions.

## Project Results
The training was a competency-based seminar and educated on all aspects of energy efficiency. After the practical training, the participants could utilize the knowledge they had acquired to develop capacities for taking initiatives after returning in their respective municipality. The training offered a good understanding of energy management for public buildings and included examples from the field, tools, experience, group work for reflection, an excursion and the working transfer of elements to the participants own working energy management.

One program component provided the opportunity of meeting the relevant institutions in the City of Munich. Their energy managers and efficiency experts received the experts of Ukraine and shared their knowledge and experience. They also visited reference buildings with the possibility to meet and discuss with technical experts and municipal managers.

## Services Provided
Development and implementation of two 1-week training courses on "Energy Management in Public Buildings". Main topics were:
- Basics of municipal Energy Management (EM) as cross-section task;
- Meaning of municipal Energy Management; key words: office overlapping work, coordination, personnel equipment, costs and amortisation;
- Examples for different approaches in implementing EM;
- Energy detection and evaluation, building analysis, building profile, benchmarking, prioritization;
- Data-Management;
- Low and/or non-investment measures/investment measures with regard to building stock: heat supply, electricity supply, ventilation and air-conditioning technology, thermal insulation/building physics;
- Building and renovation under energy conscious aspects;
- EM in practice: Hospitations in branches for energy management in the city of Munich in order to demonstrate how energy management is practised in a city;
- Information and awareness raising within the population;
- Different models of end-user saving projects (e.g. schools);
- Presentations of the Ukrainian guests;
- Discussion and exchange of experiences together with the experts;
- At the end of the training the participants carried out together with the expert and the house keeper an energy audit in the building, where the training was located.

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### Germany / Ukraine

#### Training on energy management in municipalities

### Client

German International Cooperation (GIZ)

### Duration

10/2014 - 11/2014

### Personnel

- 3 internat. STE (Trainer)