



# Energy Management System based on the PN-EN ISO 50001 - implementation in Dzierżonów

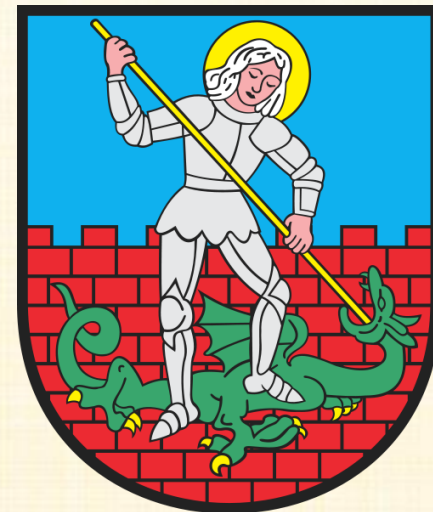
50000 and 1 SEAPs

**1<sup>st</sup> Centralized training session**

Padova, 2-3 April 2014



Co-funded by the Intelligent Energy Europe Programme of the European Union





# The way of Dzierżoniów municipality to implementation of the Integrated Quality Management System

## Dzierżoniów's Vision:

City of initiatives, entrepreneurship, social development and sport.

## Dzierżoniów's Mission:

Improving the quality of life through creating a climate for business and sport.

## The City Hall Mission

Implementation of the Strategy for Sustainable Local Development and friendly customer service

**1999** - Implementation of Quality Management System ISO 9002

**2002** - Implementation of amendment of ISO:9001

**2006** - Implementation of Integrated Management System ISO:9001, ISO:14001, ISO:18001.

**2013** – Implementation of Energy Management System PN-EN ISO 50001





THE INTERNATIONAL CERTIFICATION NETWORK  
**CERTIFICATE**

IQNet and PCBC  
hereby certify that the organization

**URZĄD MIASTA**  
**Rynek 1, 58-200 Dzierżoniów**

for the following field of activities

**execution of own and commissioned tasks in the field of  
public administration to ensure of sustainable development of  
the city Dzierżoniów guaranteeing economic growth,  
social participation, safety of residents  
and environmental protection**

has implemented and maintains a

**Quality Management System**

which fulfills the requirements of the following standard

**PN-EN ISO 50001:2012**

Issued on: 2013-07-16

Validity date: 2015-05-21

PCBC certified since: 2002-11-10

Registration Number: **PL - C - 1/1/2013**



Michael Drechsel  
President of IQNet

Dr. Wojciech Henrykowski  
President of PCBC



**IQNet Partners\*:**

AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE-SIGE Mexico APCER Portugal  
CCC Cyprus CIBQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany  
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\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)

**OLSKIE CENTRUM BADAŃ I CERTYFIKACJI S.A.**

02-699 Warszawa, ul. Kłobucka 23A



**CERTIFICATE OF QUALITY  
MANAGEMENT ENERGY**

**No. C - 1/1/2013**

This is to certify that:

**URZĄD MIASTA**  
**Rynek 1, 58-200 Dzierżoniów**

in the following scope of activities:

**execution of own and commissioned tasks in the field of  
public administration to ensure of sustainable development of  
the city Dzierżoniów guaranteeing economic growth,  
social participation, safety of residents  
and environmental protection**

is in conformance with the standard

**PN-EN ISO 50001:2012** (identical with ISO 50001:2011).

The audit carried out by the Polish Centre for Testing and Certification has afforded evidence of the above.

The certificate holds good if the organization observes the requirements  
of the above mentioned standard and of the Contract No. 376/IBSC/5/2013.

This certificate is valid:  
from 2013-07-16 to 2015-05-21  
First certification date: 2002-11-10



Tadeusz Glazer  
Director for Testing and Certification



Warsaw, 2013-07-16

Anna Wyróba  
Vice President



# ISO 50001 - implementation benefits

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- optimization of all process for more energy saving;
- increase awareness among employees about energy costs;
- savings from more efficient energy use;
- image of the organization as an environmental protection engaged;
- integration of the energy management system with other existing systems;
- decreasing the risks associated with energy security.





The process of certification was held by an accredited certification institution in June 2013. Certification result was positive!

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## Auditors comments:

### Strengths:

- established on the risk analysis and assessment;
- logical implementation of the requirements of the PN-EN ISO 50001:2012, taking into account the financial circumstances and the specific work of the city hall
- indication of actions to raise energy awareness;
- among the citizens (including school children and students).





## Areas for improvement:

- further integration of the Energy Management System with the Integrated Management System





## What documentation for the Energy Management System in Dzierżoniów consist of?

- energy policy;
- system description and link to the IMS;
- the procedure of legal requirements;
- register of legal requirements;
- energy management objectives and tasks;
- instructions for energy use and savings in municipal buildings;
- overview of the energy consumption and determination of the baseline
- the procedure for monitoring energy consumption (electricity, heat and gas)

Other important procedures are contained in the Integrated Management System book



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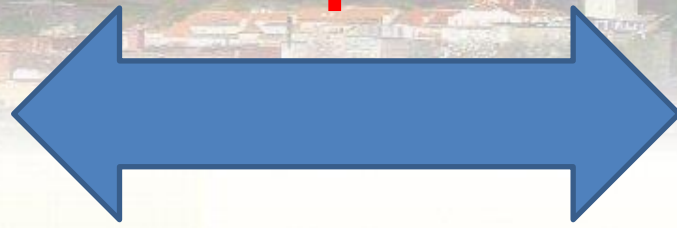
The certificate is valid for **three years**, but every year is conducted inspection audit. The results of the audit shall confirm the validity of the certificate and check the use of adopted standards. If significant deviations (non-compliance with the standard) certificate may be revoked







**SEAP**



**EMS**

**The tasks of the SEAP are placed in the EMS energy tasks**

**But:**

**all activities depend on the financial capacity of the municipality**



# The biggest challenges in implementing the Energy Management System in Dzierżoniów

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1. extend the system for all municipal units
2. integration of the Energy Management System with other management systems (already working) in Dzierżoniów





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**Informations provided by Mr. Zygmunt Kuc, the  
head of Department of Urban Engineering**

***Thank you for your attention!***

