

# 9th Energy Conservation Days, 14-15 November in Wrocław



## Energy efficiency in building and industry

According to tradition, the Association of The Sustainable Development and Lower Silesia Energy and Environment Agency are proud to hold **the 9<sup>th</sup> Energy Conservation Days on Energy Efficiency in Building and Industry**. The event shall take place on **14-15 November 2012 at the Municipal Stadium in Wrocław, 1 Śląska Alley**. The aim is to increase energy efficiency in building and industry. Experts from all over Poland and Europe shall share their knowledge and experience regarding energy-efficient and low-carbon technologies in building and industry. Owing to the cooperation and exchange between Chambers of Commerce from various parts of Europe the latest technologies and solutions aiming at the improvement of energy efficiency shall be presented.

### Conference objectives:

- popularization of energy-efficient solutions for building and industry
- increasing importance of energy efficiency in building
- promoting certification for window and door woodwork

The following events shall take place during the two-day conference:

- ♦ **Press Conference**
- ♦ **Announcement of competition results at a press conference "TOPTEN - energy efficient windows"**
- ♦ **Announcement of TOPTEN results for energy efficient solutions in the building during the conference proceedings**
- ♦ **Announcement of DAEŚ 2012 RECOMMENDATIONS results**
- ♦ **Thematic conference on cross-sectional issues related to energy saving in building and industry, thermal modernization of buildings and the implementation of energy-efficient and low-carbon building**
- ♦ **Exhibition of energy effective materials and equipment as well as solutions aiming at rational reduction of energy consumption and of gas emission**
- ♦ **Official dinner during which the best energy-efficient technologies shall be presented – awarding the DAEŚ Prize**

### We welcome everybody who is interested in energy conservation:

- Industry representatives,
- Owners and administrators of public buildings,
- Project managers,
- Project teams and designers of architectural, construction, installation and electric industry,
- Representatives of local government,
- Contractors,
- Lecturers and students,

### PRESS CONFERENCE PROGRAM

10:00 – 11:00	Press Conference	
	Association of The Sustainable Development	Welcoming ceremony. Conference objectives and its program
	Polish Foundation for Energy Efficiency FEWE	Results of the „ TOPTEN – energy efficient windows” competition
	Marshal of Lower Silesia Voivodeship	Energy efficiency projects in Lower Silesia
	European Commission Representative	Energy efficiency in UE
	Regional Fund for Environmental Protection and Water Management	Financial support for energy efficient construction
10:40 – 11:00		Questions and discussion

## CONFERENCE PROGRAM

### DAY 1

11:00 -12:20	Official Part of The Conference – The Opening of the Conference	
	Agnieszka Cena – Soroko, Association of The Sustainable Development Jerzy Żurawski, Lower Silesia Energy and Environment Agency DAES	Reception of the guests
	Marshal of Lower Silesia Voivodeship	
	European Commission Representative	
	The Main Sponsor for the Conference	
	Szymon Liszka, Polish Foundation for Energy Efficiency FEWE	TOPTEN competition for the best energy-efficient windows. The award ceremony.
	Andrzej Kassenberg, Institute for Sustainable Development	Opening lecture: Report on condition of our planet (earth resources, climatic changes versus Poland's Policy regarding energy efficiency in building and industry)
12:20 – 12:40	Coffee break	
<b>12:40 – 14:20</b>	<b>Energy policy versus energy efficiency in building and industry. Moderator: prof. dr Krzysztof Cena</b>	
	Jerzy Jendroška, Association of European Environmental Lawyers (Avosetta Group)	Condition of the earth versus legislative changes in the EU and the world, implementation of programs of greenhouse gas emission reduction in different countries
	European Union Representative	Energy solidarity and energy efficiency as a guarantor of energy safety in Europe
	Krzysztof Żmijewski, Institute for Sustainable Development	Consequences of the coming legislative changes related to fees for CO2 emission for the construction sector and industry
	prof. zw. dr hab. Mariusz-Orion Jędrysek, University of Wrocław	Real energy sources for Poland
		Discussion
14:20- 14:50	Lunch break	
<b>14.50-17.00</b>	<b>Examples of energy efficiency improvement – planning. Moderator: Andrzej Rajkiewicz</b>	
	Association "Energy and environment conservation" SAPE- Poland	The economics versus renewable energy sources
	Dariusz Kucharski, Dzierżoniów County Office	Energy efficiency programs implemented in the Polish cities using the example of the Dzierżoniów County Office: economic and environmental effects of the program
	Marek Janikowski, Mayor of Stoszowice Commune	School in Stoszowice – The first passive school in Poland – experience regarding investment preparation
	Bogumił Ogrodnik, Viessmann	Examples of energy-efficient projects with utilization of renewable energy sources in building and industry
	Andrzej Rajkiewicz, Association "Energy and environment conservation" SAPE-Poland	Improving qualifications of participants of investment process – Bups program
	Dieter Hainbach Beratungs- und Service-Gesellschaft Umwelt mbH	„ENP – Environmental Relief Programme for Berlin”
	Municipal Office of Wrocław, Education Department	Planning improvement of the energy efficiency of educational buildings in Wrocław
		Summary and conclusions

**DAY 2**

<b>9:00 – 11:00</b>	<b>Examples of energy efficiency improvement in industry. Moderator: Arkadiusz Węglarz</b>	
	Arkadiusz Węglarz, The Polish National Energy Conservation Agency	Energy efficiency and renewable energy sources, legal basis and legal-economic incentives prepared by the Polish government
	Krzysztof Szymański Lower Silesia Energy and Environment Agency DAES	Improving energy and economy efficiency using the example of a facility producing aluminum products
	Arkadiusz Maciak, Schneider Electric	Monitoring systems of commercial construction energy transmission networks in the context of optimizing consumption and energy management - "cloud" technology
	Maciej Sokolik Thermaflex Izolacji Sp. z o.o.	The energy efficiency of internal and external heat network. The impact of internal heating network on energy efficiency of the building.
	Rafał Borkowski, "Krzyżowa" Foundation for Mutual Understanding in Europe	Program of energy efficiency improvement and utilization of renewable energy sources in the palace complex in Krzyżowa
	Andrzej Pikulski, Jagiellonian University	Energy efficiency and renewable energy sources in new buildings of Jagiellonian University
		Summary and conclusions
11:00 – 11:15	Coffee break	
<b>11:15 - 13:15</b>	<b>Examples of energy efficiency improvement in building Moderator: Henryk Nowak</b>	
	Małgorzata Górczewska Poznań University of Technology, The Institute of Electric Engineering and Industrial Electronics	Energy-efficient lighting - between myth and truth
	Krzysztof Smolnicki, Foundation for Sustainable Development Dawid Golec, Danfoss	Economy- and energy-efficient building of Ekocentrum - center for environmental activities in Wrocław
	Anna Tołwińska, Saint- Gobain Glass	Energy efficiency of transparent partitions in heated as well as heated and cooled buildings
	Przemysław Stępień Lower Silesia Energy and Environment Agency DAES	Influence of solar shields on the energy efficiency of the building of the Faculty of Chemistry at Jagiellonian University
	Agnieszka Cena - Soroko Lower Silesia Energy and Environment Agency DAES	Energy-efficient woodwork using the example of the passive school in Budzów
	Jerzy Żurawski, Association "Energy and environment conservation" SAPE-Poland	Process of preparation of energy-efficient investments - stages of operation and optimization of individual solutions
		Summary and conclusions
12:55 - 13:25	Lunch break	
<b>13:25 - 15:15</b>	<b>Financing and legal mechanisms supporting energy efficiency Moderator: Aleksander Panek</b>	
	Andrzej Cwynar	Energy efficiency versus the evaluation of investors' creditworthiness
	Marek Mielczarek, Regional Fund for Environmental Protection and Water Management	Financing energy efficiency in building and industry as part of NFOŚiGW and WFOŚiGW
	Jerzy Piszczek, POLSEFF	Financing energy efficiency improvement in industry using the POLSEFF program
	Szymon Liszka, Polish Foundation for Energy Efficiency FEWE	Financing by third parties using the example of the city of Wrocław
	Mieczysław Ciurla, The Marshal Office of Lower Silesia Voivodeship	Voivodship policy regarding energy efficiency for the years 2014-2020
	Aleksander Panek, National Energy Conservation Agency	BREAM and LEED Certificates versus energy evaluation and optimization of energy costs
		Summary and conclusions

## **Exhibition and presentation of solutions increasing energy efficiency in building**

### **Speakers:**

**dr Jerzy Jendrośka** – Doctor of Juridical Science, an university teacher of the Faculty of Law and Administration at University of Opole, the President of the Centre for Environmental Law. A founding member of Association of European Environmental Lawyers (Avosetta Group);

**prof. zw. dr hab. Mariusz-Orion Jędrysek**- University of Wrocław, Laboratory of Isotope Geology and Geoecology and Department of Applied Geology and Geochemistry at the Institute of Geological Science ;

**dr Andrzej Kassenberg** – President of the Foundation for Sustainable Development. A board member of the Environmental Committee at the European Bank for Reconstruction and Development;

**Szymon Liszka** – President of the Polish Foundation for Energy Efficiency;

**dr hab. inż. Henryk Nowak** – Wrocław University of Technology, Division of Building Physics and Computational Design Methods;

**dr inż. Aleksander Panek** – Chairman of the board of the National Energy Conservation Agency;

**dr inż. Arkadiusz Węglarz** – Vice president of the Polish National Energy Conservation Agency;

**dr hab. inż. Krzysztof Żmijewski** – Warsaw University of Technology. Currently the Secretary General of the Public Council for National Emission Reduction Program attached to the Deputy Prime Minister and Minister of Economy and a member of the National Development Council attached to the President of the Republic of Poland;

**Jerzy Żurawski** – an EUREM energy auditor, a World Bank expert, a CEM auditor, the president of a nationwide association 'Poszanowanie Energii i Środowiska' (Association "Energy and environment conservation" SAPE-Poland)