

E.ON ENERGY GLOBE AWARD ČR

Honouring the best energy-saving projects



3rd year of the competition
for the best energy-saving project
in the Czech Republic

www.energieplus.cz



e-on



Winners of the first year of the competition (2008)



Winners of the second year of the competition (2010)

Initiator of the competition



The Ministry of the Environment
has accepted kind patronage of the project

Ministry of the Environment
of the Czech Republic



The **Energy Globe Award** is the most prominent and prestigious global environmental protection prize. The event has been held annually for the last 12 years, honouring projects that use the resources we all share, such as energy and water, considerately and ecologically or that use renewable forms of these resources.

The initiator of the award in the Czech Republic is the power company E.ON. The competition bears the name E.ON ENERGY GLOBE AWARD ČR and it has a total of seven categories: **Water, Fire, Air, Earth, Community, Youth and Do-It-Yourself**. The winners of the individual categories will each receive a bronze "Eco Oscar" statuette, which is the striking symbol of the whole competition, together with an E.ON ENERGY GLOBE AWARD ČR winner's certificate.

The overall winner of the competition will also receive a financial sum of CZK 500,000 to further develop their project and will represent the Czech Republic in the international final. This is traditionally held in one of the world's metropolises.

The winner of the national E.ON ENERGY GLOBE AWARD ČR will then battle for a prize of **EUR 10,000** at the gala award ceremony announcing the winners of the international Energy Globe Award. The Energy Globe Award significantly contributes to raising awareness of the problem of efficient energy use and climate protection, and also showcases possible solutions for the future.



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Twenty-five years ago, then a farmer and trained electrical engineer, Wolfgang Neumann began considering ways of publishing and promoting processes that conserve our resources and this led him to found today's world-famous "Energy Saving Expo." He subsequently established energy consultancy institutes in Central Europe and initiated numerous consulting campaigns and conferences. Wolfgang Neumann and his foundation have organised the Energy Globe Award since 2000.

WOLFGANG NEUMANN

Founder of the Energy Globe Award

I'm delighted to have the opportunity to organise the Energy Globe Award in the Czech Republic in cooperation with the power company E.ON. Interest in this environmental award has broken all records, as evidenced by the more than 200 projects entered in the second year of the competition, which was held in 2010 in the categories Earth, Water, Air, Youth, Community and Do-It-Yourself.

This large number of high quality projects must also be attributed to the professional competence of E.ON, which endeavours to provide objective consulting for customers and increase the efficiency of energy management.

Today each of us can help save energy, often by implementing only small measures that can still represent savings of between 20% and 70 % of the original consumption. Such measures also always bring an improvement in the quality of life and standard of living.

With the help of the interactive Energy Globe portal, E.ON shows that we can all help within the scope of our own personal possibilities.

As the creators of Energy Globe, we are delighted when we see the dedication with which E.ON works here and the successes it has achieved.

Ten years ago, we launched these awards with the aim of motivating people to take part in the effort to use less energy on the one hand or to use renewable energy sources and thereby protect our planet on the other.

Since then, the "Energy Globe Community" has grown every day and there have been more than 6,000 projects submitted to date. What this means to me is that through globally acting together and with the help of concerns such as E.ON, we will be able to preserve our world as a good place to live for our children.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.



A graduate of electrical engineering at the Munich Technical University, he subsequently worked at Bayernwerk AG in Munich for almost 10 years. From 1995 to 1998 he was the corporate agent responsible for sales at a company that focused on the environment. Michael Fehn has been the Chairman of the Board of Directors of E.ON Czech Holding AG since 2002 and was appointed CEO of E.ON Czech Republic in 2005.

MICHAEL FEHN

Chairman of the Board of Directors, E.ON Czech Holding AG

For some time, climate change has been a hot topic for discussion. In addition, numerous studies have also examined the degree to which these changes have been caused and influenced by Man. Yet there is one indisputable fact, and that is that Man has the tools and capability to limit climate change. One effective way to do this is through energy efficiency. The costs of this are lower than other forms of cuts, while it has the greatest potential (over fifty percent) of all known methods to reduce CO2 emissions across the entire energy sector. Energy demands by small and medium-sized enterprises, the real estate market and, last but not least, households also play an important part in improving energy efficiency. The International Energy Agency estimates that increasing the energy efficiency of end-consumers alone could cut 47 percent of CO2 emissions by the end of 2030.

The power company E.ON has actively responded to the needs of the future market and follows the motto: greater efficiency in both energy production and consumption. This is also the main reason why it has focused its services and innovative products for customers on efficiency programmes with consulting as much as possible. This added value for the customer increases customer satisfaction and represents a key tool for reducing greenhouse gas production. This means that we can work against the increasing price of energy and, at the same time, increase the loyalty of our customers. Innovative projects of this type are currently being launched by almost all the companies in the E.ON Group, and they undoubtedly include the E.ON Energy Globe Award project. These clearly demonstrate that through their own energy efficiency projects people can show others not only how to reduce their own energy costs, but also how to protect the environment.

This is further evidence that environmental protection and the effective use of energy do not end inside E.ON, but that we support both suppliers and customers in playing their part. Together, we thus help reduce climate change and preserve the diversity of biological species. This is also why we decided to become the guarantor of projects for effective energy use and bring the world famous "Eco Oscar" to the Czech Republic.

A handwritten signature in black ink, appearing to be 'M. Fehn', written in a cursive style.

WINNERS OF THE E.ON ENERGY GLOBE AWARD ČR IN 2010



Winner of the Earth category

"Plum-pit Heating system"

Submitted by: Zdeněk Halík, Pěstitelská pálenice Halík, Boršice u Blatnice

An original idea submitted by Zdeněk Halík, who runs a small distillery in Boršice u Blatnice. He decided to heat his family home using the pits of plums processed in the distillery. Heating with an automatic boiler that runs on biomass is not only comfortable but just as clean as heating with gas. The small distillery produces approximately 8 tonnes of pits per season, which is enough to heat two family homes.

Winner in 2008: "Energy Efficient Store in Žatec" – TESCO Stores ČR a.s.



OVERALL
WINNER
2010



Winner of the Fire category

"Energy Saving Project at the National Theatre"

Submitted by: Ing. Miroslav Marada, Sdružení ENESA, a.s. and EVČ, s.r.o., Prague

The National Theatre in Prague has begun saving energy on a grand scale. Financial savings totalling millions of crowns per year are the result of a new concept of energy saving implemented throughout the National Theatre. The reason for the project is to reduce costs for heating, hot water, ventilation and air conditioning at the historical National Theatre through the installation and use of modern technology. Effective regulation and the maximum utilisation of waste energy are important components of the new system.

Winner in 2008: "Biomass Heating with Over 95% Efficiency" – AVE Bohemia, s.r.o.



Winner of the Water category

"Water Drops"

Submitted by: Ing. Christian Hasenleithner, Energie AG Bohemia, s.r.o., České Budějovice

The Energie AG Group water supply company contributes to the humanitarian project Water Drops with literally every drop of water used by household consumers. For each cubic metre of drinking water sold in the Czech Republic the company donates one heller of its profits. The aim of the project is to renew and build new drinking water wells in the Democratic Republic of Congo where 1 in 10 children die of illnesses caused by polluted water.

Winner in 2008: "Optimisation of Hot Water Production and Distribution" – University Hospital Hradec Králové



Winner of the Air category

"Work Reorganisation at Hardening Furnaces"

Submitted by: Ing. Lubomír Lovíšek, Narex Bystřice s.r.o.

Often no special equipment is needed to achieve energy savings. Sometimes you simply need to think about your approach to work and production processes. A clear example of this is the Narex Bystřice project. Here, by simply reorganising work processes (changing from one-shift to three-shift operation), the company showed you can save the same amount of energy as by investing in technological energy saving solutions. By changing the operating schedule of hardening furnaces and through the active approach of employees, the company saved CZK 800,000 in just one year.

Winner in 2008: "CNG Car Rental" – Pražská plynárenská, a.s.



Winner of the Youth category

"Separation Task Force"

Submitted by: Ing. Jiří Andrlík, Primary School, Kamenická; Děčín

Several students in years eight and nine decided that they did not want to leave teachers the task of handling waste sorting alone and offered to help them promote the plan in all the classes. A task force was formed at the school that everyone admires today – the Separation Task Force. Now in its second year, older students educate the younger ones, in cooperation with teachers, through forums and environmental-based games. The Separation Task Force is also responsible for separation nests at the school, looks after waste disposal in all areas of school buildings and organises recyclable waste collection competitions at the school.

Winner in 2008: "Renewable Energy Sources Mini Park" – University of West Bohemia, Pilsen



Winner of the Community category

"Energ.ethical Target"

Submitted by: František Kúrka, Statutory City of Pilsen; Pilsen

The dot dividing the first word "energ.ethical" is an important component of the project name – it symbolises that the project tries not only to focus on energy and economic and ecological aspects, but also on an ethical approach to energy. The whole project focuses on education, training and energy management in Pilsen primary school buildings. The objective of the project is to show the differences in the standard of energy management in individual school buildings established by the city. The energ.ethical target for individual buildings was drawn up using ten criteria, in which the conversion of technical indicators to point scores creates a graph in the shape of a target. Just like with a shooter's target, the goal here is to hit the bull's-eye.

Winner in 2008: "Central Community Biomass Heating System" – Měňany



Winner of the Do-It-Yourself category

"Construction of a Trombe Wall in a Family Home"

Submitted by: Tomáš Merxbauer; Pilsen

A simple and visually attractive addition to his house has brought Tomáš Merxbauer significant savings in heating the property. What his neighbours call the glass façade is actually an ingenious solution called a Trombe wall. He used this wall to heat the room when constructing his home in the style of a country cottage. This innovative construction now brings its owner not only great pleasure but also savings in heating costs.

The Do-It-Yourself category was first included in 2010.

EXPERT COMMITTEE

The winning projects in each category are chosen by an expert committee. The committee first nominates three possible winners, from which it selects the best project in each category in the second round of evaluation.

Ing. Wolfgang Neumann, the founder of the Energy Globe Award, is traditionally a member of the committee, which is composed of experts in the areas of energy and the environment. The committee is the guarantor of the expertise and high standard of the whole competition, and includes experts from state administration and the private sector. For example, in the second year of the competition (2010), projects were evaluated by Prof. RNDr. Bedřich Moldan, CSc. – Senator and Director of the Environmental Centre of Charles University and Ing. Irena Plocková – Manager of the Department for the Implementation of the Green Savings Programme at the State Environmental Fund and the Director of the Green Savings Programme.



The municipality of Měňany, led by Mayor Stanislava Sotlová, won the first E.ON ENERGY GLOBE AWARD ČR in 2008 with its project „Central Municipal Biomass Heating System“ in the Community category, and was also the overall winner of the competition. This project then represented the Czech Republic in the international final of the Energy Globe Award, which was held on 14 April 2009 in Prague.

FROM COAL TO ENVIRONMENTALLY FRIENDLY BIOMASS

An interview with the Mayor of Měňany and winner of the E.ON Energy Globe Award ČR, Stanislava Sotlová

Mrs. Sotlová, could you explain the project with which Měňany won the first E.ON ENERGY GLOBE AWARD ČR?

In the past everyone in our municipality used coal for heating. It was difficult to breathe here and the situation was terrible. We therefore decided to build a modern boiler plant to burn wood waste and sorrel, which the municipality grows here itself. The heat produced by burning this fuel is not only environmentally friendly but also cheap. There is a real difference here now, with only three smoking chimneys instead of ninety. The only negative aspect of the project was the high initial cost as the project, including the distribution system for the whole municipality, cost a total of CZK 40 million.

The costs for the construction of the central boiler plant and distribution system were very high. Why did you decide to proceed with the project despite these costs?

Prior to the construction of the central boiler plant, we considered natural gas. However, when we actually began to investigate this possibility in around 2003, the gas companies were no longer interested in us as we are a small municipality. Naturally, people also had the opportunity to buy better coal-burning boilers for their homes, with technology that releases almost no smoke when burning poorer quality coal. Yet you cannot force people to buy them, especially when the price of such technology is high. Our solution was unbeatable in all respects: it was the most environmentally friendly solution and the best financially, not to mention the convenience, as people do not have to take care of anything.

How high were the costs of connection to the central boiler plant for residents?

Consumers made one payment of around CZK 1,200 to CZK 2,000 for a circuit breaker and socket, then of course for the piping from the heat exchanger to their radiators - this cost some people CZK 1,000 and others CZK 3,000. People pay CZK 250 per gigajoule for heat and a flat fee of CZK 1,200 per annum. We have set the price at approximately 70% of the cost, and it is the same as if we did not have a loan. It covers the operating costs and helps create a good reserve for repairs, which we also use to pay off the loan.



Thanks to his „Plum-Pit Heating System“ project, Zdeněk Halík, the owner of Pěstitelské pálenice Halík, won the Earth category at the E.ON ENERGY GLOBE AWARD ČR in 2010. The project will represent the Czech Republic in the international final of the Energy Globe Award.

“ECO OSCAR” FOR PLUM-PIT HEATING SYSTEM

An interview with the owner of Pěstitelské pálenice Halík and the winner of the E.ON Energy Globe Award ČR in 2010, Zdeněk Halík

Mr. Halík, can you tell us how you learned about the EGA and why you decided to enter the competition?

I am an E.ON customer. I learned about the competition in a leaflet enclosed with my electricity bill. I decided to enter the competition out of curiosity, I did not expect to win.

How did you feel when you heard you had won 1st place in the Earth category?

Just getting nominated was a huge success for us. My wife, who accompanied me to the gala, and I were truly delighted following the announcement that we had won the Earth category.

Were you surprised by the overall victory of your project in the national round of the competition?

I was rooting for a different project during the voting for the overall winner of the national round. It did not occur to me that I could win against such strong competition. In fact it took a while to sink in.

Where have you put your “Eco Oscar” at home?

I have the award for victory in the Earth category, which is very attractive by the way, in my office at the distillery, where it can be admired by our customers. But I have the main Oscar for overall victory in my study at home.

How will you use the money you received?

I will invest the money I received in further energy-saving projects for our home and perhaps on more ideas for a future Energy Globe Award, probably in the Do-It-Yourself category.

What other plans do you have for energy saving and environmental protection?

I want to utilise the excess heat and hot water produced during the operation of the distillery. I would also like to share my experiences with the use of pits for heating with other interested parties. Thanks to the competition I have been contacted by people from all over the Czech Republic who also want to implement our idea.

Projects can be entered in the following categories:*



WATER

Projects on the topic of drinking water, its various uses, the treatment of water and wastewater and the protection of our water resources



FIRE

Projects on the topic of energy supply and the effective use of energy in all areas



AIR

Projects on the topic of clean air protection, indoor and outdoor air quality, climate protection and the reduction of CO2



EARTH

Projects on the topic of agriculture, energy crops, building materials, buildings, insulation and the use of solar energy



COMMUNITY

Projects in the areas of ecology, energy saving and the use of renewable resources initiated by the community



YOUTH

Projects in the areas of ecology, energy saving and the use of renewable resources prepared by young people or schools



DO-IT-YOURSELF

All small or large projects in the areas of ecology, energy saving and the use of renewable resources prepared by people at home

*The expert committee will make the final decision regarding into which individual category projects will be placed.

E.ON ENERGY GLOBE AWARD ČR 2010 NOMINATION EVENTS

Nomination stops

"E.ON ENERGY GLOBE... coming to you with ideas on how to use energy better!"

There were several nomination road shows at interesting events for the public as part of the second year of the E.ON Energy Globe Award ČR. So, for example, in addition to seeing the scheduled programme with the hosts and popular performers, visitors to The Historical Vintage Festival in Znojmo or fans of the "Slunce a seno" film in Hoštice had the chance to learn more about the award and nominated projects, influence voting in the Do-It-Yourself category and compete for some fantastic prizes. In 2010 we visited České Budějovice, Brno, Jindřichův Hradec, Hoštice u Volyně, Lechovice, Slavkov u Brna and Znojmo.



Roadshow and Nomination Night for the Youth category

The Youth category Roadshow is a unique educational project intended for primary and secondary schools and higher education establishments. The aim of the project is to inform students about the problem of effective energy use in an entertaining way, to present the E.ON ENERGY GLOBE AWARD ČR to them and to motivate them to take part in the Youth category.

The highlight of Roadshow 2010 was Nomination Night in the Youth category, which was held in Bethlehem Chapel in Prague. Guests enjoyed, among other things, a performance by the finalist of Czech&Slovak Superstar, Dominka Stará, or jazz singer Janá Koubková and her quartet. The evening was hosted by Jiří Mádl with his natural humour and charm.

Nomination Night was preceded by an informal meeting of representatives from academia and E.ON who discussed the problem of effective energy use.

E.ON also presented its activities in the area of education followed by a discussion on future mutual collaboration in this area.



Gala evening to announce the winners of the E.ON ENERGY GLOBE AWARD ČR

The winners in the individual categories are announced during a special gala evening broadcast on television with an attractive programme. In 2010 the winners were announced at Bobycentre in Brno with musical performances by Hradišťan, Dan Bárta and The TapTap Orchestra, the dynamic NightWork and Aneta Langerová, who also hosted the evening with Jan Budař. The audience also had the opportunity to enjoy a breath-taking fire show by Pa-Li-Tchi and the play of muscles by aerial acrobats La Putyka.

As per tradition the overall winner of the E.ON ENERGY GLOBE AWARD ČR 2010 was chosen by audience members at the gala evening. A recording of the gala evening was broadcast by Czech Television on 9/10/2010 and is available in the CT archives at: [/www.ceskatelevize.cz/ivysilani](http://www.ceskatelevize.cz/ivysilani) (simply enter the code E.ON ENERGY GLOBE AWARD ČR).

Each year the awards are presented by leading celebrities such as Petr Fejk, rower Ondřej Synek or environmentalist Maneka Gandhi.



BECOME A PARTNER
OF THE E.ON ENERGY GLOBE AWARD ČR!



The E.ON Energy Globe Award ČR is the most important global competition in the area of efficient energy use. An E.ON Energy Globe Award ČR partner has the opportunity to increase its visibility and improve its image by linking its name to this prestigious competition.

E.ON offers EGA category partners:

- The placement of the partner's logo on advertisements for the competition within the framework of the media plan (daily press, "green magazines")
- The placement of the partner's logo on all print material associated with the competition
- The placement of the partner's logo on www.energieplus.cz
- Tickets to the gala evening for the announcement of the winners of the E.ON Energy Globe Award ČR in October 2010
- The opportunity to present an award at the gala evening
- The placement of the partner's logo on advertising stands and promotional materials at the gala evening
- The opportunity to present products and services at the gala evening (stands)
- Presentation at seminars organised by E.ON
- The placement of the partner's logo at nomination events and the roadshow organised as part of the E.ON Energy Globe Award ČR
- Promotion at the press conference for the competition

What do we expect from EGA category partners?

- A financial contribution for the winner of the selected category
- The use of the partner's communication channels to promote the competition
- An offer to promote the competition in the partner's direct mails
- An offer of advertising objects, services or products from the partner
- An offer of further non-financial performances (to embellish the programme of nomination stops, the loan of advertising objects, games, etc.)
- The loan of the partner's products (which may be used as prizes at EGA events)
- The active promotion of the competition and cooperation during the registration of projects

We thank all our partners in previous years of the competition



Mercedes-Benz





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