

# ENKO

2009

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AND ECONOMY CRISIS – SLOVAK SOLUTIONS

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ENERGY AND ECONOMY CRISIS – SLOVAK  
SOLUTIONS

6th Slovak Annual Congress  
on Power and Energy

June 9 — 10, 2009  
Bratislava, Pálffy Palace, Zámocká Street



ERASMUS

MAIN PARTNERS



Slovakia



PARTNERS



Ústav jaderného výzkumu Řež a.s.



Dear Ladies and Gentlemen,

several days ago the 6<sup>th</sup> Annual Congress on the Power and Energy EN•KO 2009 devoted to the energy and economic crisis and their solutions in Slovakia, finished.

Congress took place in a period of significant change in the European energy sector, which will affect the future direction of Slovak power energy field. Slovakia can become one of the EU countries, which in the first wave will use the potential of nuclear energy for the smooth supply of energy economy in periods of uncertain supply of fossil fuels and in times of strong political pressure to use carbon-free technologies. Nuclear power development in the new conditions has been discussed during the first day of the congress.

The crisis in the power and energy occurs usually if we understand and evaluate only purely economic perspective on the functioning and development of power energy sector and in the same time we neglect strategic role of long-term stable development of the sector acting as basal and vital pillar for our society. The idea of loss of electricity, black-outs was the second theme of our meeting. Stable and secure supply of electricity is a precondition for the existence and stability of today's society, its social order and integrity.

Dear colleagues,

I believe that the sixth annual congress contributed to discussion on the basic energy needs of society and ways to overcome the crisis and not just in energy field. Let me thank all who contributed to the preparation of the Congress. Partners and main partners, all the speakers, and the congress management, which ensured the smooth running of our meeting.

At the end let me thank for your active participation and creation of informal pleasant social atmosphere. We are looking forward to meeting you on the next 7<sup>th</sup> Annual Congress EN•KO 2010 in Bratislava.

Ľuboš Tomík  
EN•KO 2009 Chairman

Tuesday June 9, 2009

8:00 registration check-in, delivery of congress materials

9:00 **Ľuboš TOMÍK, Jiří MAREK** congress chairman and vice-chairman – welcome

Slovakia became one of the first EU countries which clearly understands the connection of nuclear energy with its energy future. Completion of NPP Mochovce and preparation of a new nuclear source in Jaslovské Bohunice gives the clear signal that Slovakia is meaningfully facing up to economic crisis by consistent and well-considered steps leading to energy self-sufficiency.

#### SLOVAKIA AND NEW NUCLEAR ERA

Will benefit us and what risks will bring?



**František JANÍČEK** Professor of the Energy Dept. and Vice-Rector, Slovak Technical University, Bratislava

Prof. Janíček belongs to top specialists in the field of electric security where he has been working for more than 25 years, and he has 25-years of scientific and pedagogic praxis. He developed comprehensive methodology of security systems assessment with regard to reliability and optimum interval of system awareness in fault conditions. He graduated the Faculty of Electrical Engineering at the Slovak Technical University in Bratislava, where he got PhD. degree. Within the years 2000-2007 he was the Dean of the Faculty of Electrical Engineering, STU. Since 2007 he is the Vice-Rector for development at STU Bratislava. As the author and co-author he was dealing with theoretical solutions focused on electrical engineering and with projects for praxis inland and abroad. Results of his work are applied also in the CR, Poland, Hungary and Germany. He has developed an advanced concept for subjects orientated to electric security, electric stations and elements of electricity supply system, heavy-current elements and systems. He is the member of numbers of committees and association and universities boards as well. He is also the member of a team responsible for development of the Slovak Energy Policy.



**Ľubomír JAHNÁTEK** Minister of Economy of the Slovak Republic

After graduating the Slovak University of Technology in Bratislava, Faculty of Chemical in 1978 he started to work at the Plastics Processing and Application Research Institute in Nitra, where he was occupying several positions from a research worker to a division director. Then he worked as a Director for strategy in the company Duslo Šaľa, later as a Director of Plastika Nitra. In years 2005-2006 he was a Head of detached office of the Faculty of Chemical Technology at the STU in Nitra. He got the PhD degree and in 2000 he was promoted to visiting Associated Professor at the Faculty of Chemical Technology of the STU in Bratislava, in 2004 he was habilitated as Associated Professor at the STU, Faculty of Materials Science and Technology in Trnava, in specialization for material engineering.

During 1993—2003 he was a representative of the Slovak Federation of Employers' Associations in the UNO International Labor Organization in Geneva. In years 1994—2003 he was a member of the UNO International Employers Organization Committee in Geneva. Moreover, he was a member of several university convocations.



**Peter ANDRAŠKO** Project Manager for Nuclear Island, Enel – Slovenské elektrárne, a.s., Bratislava

COMPLETION OF UNITS 3,4 MOCHOVCE AND THE PARTICIPATION OF SLOVAK SUBJECTS  
Contribution presented by Pavol BAUMEISTER

history, organisation, major steps and base conditions of the completion of Unit 3 and 4 of Nuclear Power Plant Mochovce

Since graduation at the Faculty of building of Slovak University of Technology, Bratislava he has been working in the company Slovenské elektrárne a.s., Bratislava. He has performed various manager posts of departments of investment and operation – Maintenance Department. He was actively participating in the completion of Unit 1 and 2 of Nuclear Power Plant Mochovce as a Head of Management, Planning and Coordination of Investment Department of Nuclear Power Plant Mochovce. Before starting to work at his present post he had worked as an Executive Director of the Maintenance Service Section – Slovenské elektrárne a.s. – Headquarters. Since the December 2008 he has been performing his post as a Project Manager of completion of Nuclear Power Plant Mochovce of Unit 3 and 4.



**Pavol BAUMEISTER** Deputy of Engineering Management MO 34, Enel – Slovenské elektrárne, a.s., Bratislava

He is a graduate of the Slovak Technical University in Bratislava, Faculty of Electrical Engineering. In SE, a.s. he has been working since 1986. Before commissioning the 1st and 2 block of Mochovce NPP he was responsible for the implementation of security measures in the primary section and electrical part into the original project. As the head of technical department he has been responsible for implementation of project changes resulting from operational needs. Since 2006 he is the deputy head of engineering in Mochovce 3,4.



**Giuseppe LENZO** Strategy Planning and Controlling of Procurement Manager, Enel – Slovenské elektrárne, a.s., Bratislava

COMPLETION OF UNITS 3,4 MOCHOVCE AND THE PARTICIPATION OF SLOVAK SUBJECTS

procurement processes for Mochovce units 3&4 completion – focus on supplier

Giuseppe Lenzo graduated in Mechanical Engineering specialized in process improvement. In Enel group since 2001, progressively in senior positions in the area of Strategy and Business Integration. In Slovenske Elektrarne since November 2007, responsible for procurement Process, Systems and Strategies, driving all process and organizational changes required by the implementation in S.E. of new advanced procurement tools, that now represent a global best practice in the whole Enel group. He is also responsible for Procurement planning and control including EMO34 Completion project.

## AREVA – NUCLEAR POWER SOLUTIONS FOR ENERGY DEMAND – BENEFITS FOR INVESTING COUNTRIES AND ORGANIZATIONS

Scope of the integrated business model of AREVA: secure fuel cycle for the customers, current construction and opportunities for new NPP with EPR™ reactor; nuclear fuel recycling including MOX fabrication.



**Marco GRAZIANO** Executive Senior Vice President, Business Development for the AREVA Groupe, Paris

Marco Graziano graduated from the Genova University with a degree in mechanical engineering in 1982. He started his career at NIRA, contributing to the development of the Italian nuclear energy program. Thereafter, he pursued his career in power generation and, more recently, in transmission and distribution where he held various management positions in project management, sales and marketing in Europe, the United States, Asia, and the Middle East. From July 2005 to September 2008, he was Executive Vice President International Sales Organization and ExCom member of AREVA Transmission and Distribution and since then has been appointed Senior Executive Vice President, Business Development for the AREVA Group.



**Konstantin E. JACOBY** Regional Director Marketing – Czech Republic and Slovak Republic, AREVA NP GmbH, Erlangen

Konstantin E. JACOBY started his professional career 1984 as assistant lecturer at the University of Munich, and 1987 he joined Siemens R&D Centre in Munich from where he moved 1995 to Siemens Power Generation Group (the former KWU), where he was for several years responsible for personnel training for nuclear and fossil fired power plants world-wide and for the company's nuclear emergency response centre in Germany. After the process of merger and consolidation of the German and French NPP manufacturers he is in the position of Regional Director Marketing of the AREVA NP GmbH, 2003—2006 for Russia, since 2007 for CR & SR.

He was graduated in mathematics and computer science at the University of Munich where he got also the PhD degree in applied mathematics.

moderator's summary and facilitated discussion, coffee break





**Ján VALKO** Chairman of the Board of Directors & CEO, Jadrová a vyradovacia spoločnosť, a.s., (Nuclear & Decommissioning Co.), Bratislava

#### NEW NUCLEAR SOURCE IN JASLOVSKE BOHUNICE – RATIONAL WAY TO ENERGY SELF-SUFFICIENCY AND EXAMPLE TO BE FOLLOWED

market with electricity in Slovakia, its price • decrease of capacities and planned construction of new sources • historical context of the Czech & Slovak partnership and its new epoch • implementation possibilities of the new nuclear facility project from JAVYS side, partnership with ČEZ

In 2000 Ján Valko graduated the Faculty of Economic Informatics at the Economy University in Bratislava. During 1996—1998 he was employed in Invest Brokers, o.c.p. in Bratislava. In years 1993—2003 he worked in the field of administration and crisis management in Allianz – Slovenská poisťovňa group. Since 1998 he held a function of the Head of Trade Dept. in the company Allianz – Slovenská poisťovňa in Bratislava. Since 2003 is a member of the Board at Bratislava Stock Exchange.

In Jadrová a vyradovacia spoločnosť, a.s. (JAVYS – Nuclear & Decommissioning Co.) he started in the position of division director for economics and became a member of the Board in 2006.

In October 2007 he was appointed the Chairman of the Board and CEO.



**Ivo KOUKLÍK** Jaslovské Bohunice – ČEZ Project Director, ČEZ, Prague

#### ČEZ AND ITS PARTNERSHIP IN CONSTRUCTION OF NUCLEAR POWER PLANTS – THE WAY HOW TO TAKE USE OF EXPERIENCE AND STRATEGIC KNOW-HOW

using the nuclear energy in countries of the Middle and Eastern Europe – involvement of ČEZ in particular nuclear programmes • results and present status of particular nuclear projects participated by ČEZ

After graduating the Technical University, Faculty of Nuclear Science and Physical Engineering in 1983, he worked in NPP Dukovany in several positions beginning as an operator, from 1998 in top management positions (Safety Director Dukovany NPP, Responsible for reorganization of Temelin and Dukovany NPPs, Dukovany NPP Director, Nuclear Division Safety Director, Technical Development and Design Administration, Section Director). For three years he worked as Project Director responsible for investment preparation of two new units in Temelín NPP and now he managed the CEZ partnership of the new joint nuclear project in Jaslovské Bohunice. He took part on IAEA missions OSART, ASSSET and PROSPER for several NPPs (Gravellines, Kozloduj, Pakš, Ignalina) and was responsible for preparation of OSART and Follow-up OSART in Dukovany NPP and for preparation of Temelín WANO Peer Review.



**Rudolf KVETÁN** Member of the Board of Directors and Managing Director for Energy Strategy, Development, Investment and International Cooperation, SEPS, a.s., (Slovak Transmission Grid Co.), Bratislava

NEW NUCLEAR SOURCES IN SLOVAKIA – NECESSARY DEVELOPMENT OF TRANSMISSION GRID AND THEIR SYSTEM CAPABILITIES  
Contribution presented by Miroslav GRAMBLIČKA

absorptive capacity of the transmission grid • need of new interconnections and switchyards construction

He graduated ČVUT in Prague and Moscow Power Engineering Institute. After graduating the study he is continually working in energy sector. In years 1966—1976 he worked in the nuclear power plant in Jaslovské Bohunice. During 1976-1982 he was a head of NPP dept. in Investičná výstavba energetiky Slovensko in Bratislava, later he was a deputy director of investments implementation. In 1982—1985 he was a deputy director for preparation and nuclear safety in NPP Mochovce. During 1985—1994 in SEP, š.p. he occupied a position of technical director and later position of general director. In years 1994—1995 was a Vice Chairman of the Board and managing director for strategy and investments in SE, a.s.. Till 2004 he was the Head Executive and general director of the company S-line, s.r.o. Žilina. During 2005—2006 he was the chairman of the Board of GovCo, a.s., (currently JAVYS, a.s.). Since October 2006 he is working in top management of SEPS, a.s.

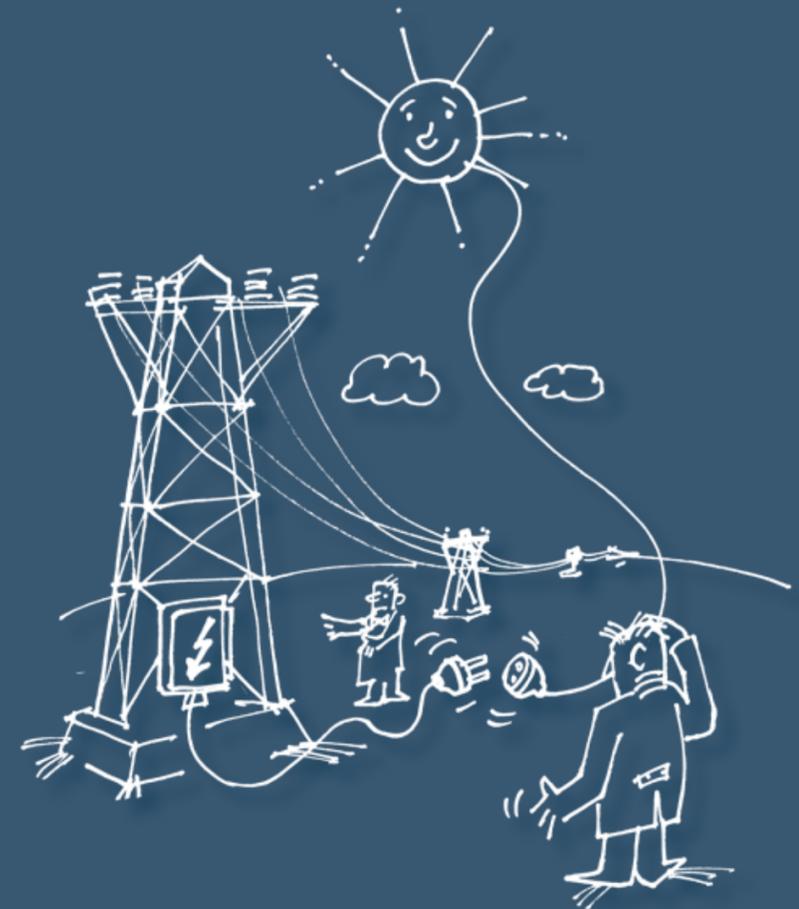


**Miroslav GRAMBLIČKA** Executive Director, Section of Development, SEPS, a.s., (Slovak Transmission Grid Co.), Bratislava

He is a graduate of Faculty of Electrical Engineering STU in Bratislava. From 1980 to 2002 he worked in various managerial positions in the SE, as, including the Executive Director for the transmission system. Since the creation of SEPS, as (year 2002) still maintains the position of the company as Executive Vice President of Development of the system. He is co-author of two professional books. In 2002 he defended his post-graduate work, entitled "Limits and conditions of the liberalized electricity market". Several years he was a member of a committee for the network Eurelectic and of a expert working group UCTE for strategy and development of transnational EU system. In present he is a member of the Committee for the development of system ENTSO-E (System Development Committee). He is an individual and a collective member in CIGRE for SEPS, a.s.

moderator's summary and facilitated discussion

lunch break





**Ján PETROVIČ** General Director, Department of Energy, Ministry of Economy of the Slovak Republic, Bratislava

#### SLOVAKIA ON THE WAY TO ENERGY SELF-SUFFICIENCY – STRATEGY AND NEW SLOVAK AND EUROPEAN LEGISLATIVE TOOLS

Main goal of the strategy for energy security is a safe, reliable and effective supply of all energy types for acceptable prices considering consumer protection, environmental protection, sustainable development, supply security and technical safety. All necessary tools to achieve energy security and self-sufficiency will be discussed.

After graduating the Technical University of Košice, Faculty of mining he started his professional career in the mining company Baňa Dolina, a.s., in Veľký Krtíš. Since 1995 he has been working at the Ministry of Economy of the Slovak Republic in several positions – in 2004 he became the director of Energy Policy Section and since September 2007 he is undertaking the function of Department Energy General Director. He was a member of the Board of company Želba, a.s., Spišská Nová Ves and member of Supervisory Boards of companies Východoslovenské energetické závody, š.p., Košice, Transpetrol, a.s., Bratislava and Zvolenská teplárenská, a.s., Zvolen.



**Jozef MIŠÁK** Director for Strategy, Institute of Nuclear Research Řež plc.

#### EUROPEAN TRENDS TOWARDS SUSTAINABLE NUCLEAR POWER INDUSTRY

Europe finally recognizes the role of nuclear energy in a sustainable energy mix as a key low-carbon, safe and competitive technology

He graduated ČVUT, Faculty of Nuclear and Physical Engineering in Prague. His more than 37 years long performance in the field of nuclear power industry is focused on research and engineering support for safety principals implementation during design and operation of NPPs. He has long lasting experience from several leading positions in the field of nuclear safety. During 1971—1993 he worked in VUJE (NPP Research Institute). During 1993—1997 he worked as the first Chairman of Nuclear Regulatory Authority of SR. Till 2004 he was with IAEA in Vienna, where he worked in the field of elaboration of safety standards and guidelines for NPP accident analysis. At the present time he is the director for strategy at the Nuclear Research Institute in Řež.



## TECHNOLOGIES FOR RADIOACTIVE WASTE MANAGEMENT

Back-end of the nuclear fuel cycle of which the radioactive management is a principal part creates essential conditions for operation assurance of the existing nuclear facilities and for implementation of new nuclear sources



**Pavol ŠTULLER** General Director, AMEC Nuclear Slovakia and AMEC Nuclear Czech Republic, Jaslovské Bohunice/Temelín

After completing his MBA in international management at the City University of Seattle and postgraduate study at STU FEI Bratislava, Mr. Stuller came thru various positions first in Slovenske elektrarne, a.s. and later in Jadrova a vyradovacia spoločnosť, a.s. Since 2007 Pavol Štuller worked in AllDeco, s.r.o. on the position of Business Development Manager and since May 2009 he acts as general director of AMEC Nuclear Slovakia and AMEC Nuclear Czech Republic.



**Ladislav KONEČNÝ** Senior Consultant, AMEC Nuclear Slovakia, Jaslovské Bohunice

Ladislav Konečný gained his MSc. degree in radiochemistry in 1965 at the Prague University of Chemical Technology. He began his career in Nuclear Power Plant Jaslovské Bohunice where he was gradually in charge of radiochemical analyses, NPP A-1 decontamination and preparation of radioactive waste management technologies. From 1993 to 2008 he joined Nuclear Regulatory Authority of Slovak Republic and was appointed as Head of Radioactive Waste and Decommissioning Division. During this period he participated in preparation of Slovak legislation in the area of nuclear energy and decommissioning and was also member of IAEA Waste Safety Standards Committee. Since October 2008 he is working with AMEC Nuclear Slovakia as senior expert for radioactive waste management.

moderator's summary and facilitated discussion, coffee break

RESULTS PRESENTATION OF THE SLOVAK UNIVERSITIES STUDENTS SEMINAR TO THE TOPIC "NUCLEAR POWER INDUSTRY CHALLENGES – LOCAL AND GLOBAL SOLUTIONS FROM THE ECONOMICAL AND TECHNICAL POINT OF VIEW, TASKS OF THE RISING GENERATION"

Low cost and non-carbon nuclear energy may significantly contribute to sustainable development and increase competitiveness of EU industry. China and India have already understood it.



**Matej ZACHAR** Slovak Technical University, Bratislava

In 2007, after graduating from the Faculty of Electrical Engineering and Information Technology of the Slovak University of Technology in Bratislava in Power Engineering, he started PhD study at the Department of Nuclear Physics and Technology in the field of study Nuclear Power Engineering. In his thesis he mainly deals with the problems of nuclear installation decommissioning and radioactive waste management.



**Martin GREŠŠ** Economy University, Bratislava

After graduation at the Economy University in Bratislava (2001) he started his career of university teacher – Assistant Professor (Chair of Diplomacy and International Relations of EU Bratislava). During the year of 2001 he was associated with Office of Government (tasks of communication strategy and availability of information connected with the constitution of EU info-line). In the framework of teacher's mobility he was in Finland, and he finished long term language course in India. As scientist – teacher he deals with the problems of oil and he holds the lecture "Oil in the world economy". He writes contributions to the conferences focused on oil problems.



**Patrick MOORE** co-founder of Greenpeace, Chairman and Chief-Scientist of Greenspirit Strategies Ltd., Vancouver

## ROLE OF NUCLEAR ENERGY IN THE ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

### Nuclear energy as a main player in future?

Patrick Moore graduated the study of forestry and genetics and obtained a PhD. in ecology from the Institute of Animal Resource Ecology, University of British Columbia in 1972.

In late 60s he became a radical ecology activist and in 1971 he co-founded the Greenpeace organization. He took part in actions which made Greenpeace popular. For nine years (1977—1986) he served as the President of Greenpeace Canada and for seven years as Director of Greenpeace International until his resignation in early 1986.

During 80s Moore's opinions began to differ from those of other Greenpeace members because it seemed to him that the movement is becoming dogmatic and ideological and focusing more on media presentations of their activities rather than on real environmental issues solution.

After leaving Greenpeace in 1991 Moore founded Greenspirit – a consultancy company focusing on environmental policy and communication in natural resources, biodiversity, energy, and climate changes, where could he promote his vision of sustainable development. He created an environmental platform based on his view of science and logic.

Today Moore strongly supports nuclear power (which he considers the essential part of any realistic plan for decreasing fossil fuel consumption and reducing the greenhouse effect), along with renewable energy sources, consensual environmental protection of organizations and sustainable development.

### moderator's summary and facilitated discussion

### Festive social evening



Festive social evening on the congress occasion will be held in all premises of Pálffy Palace

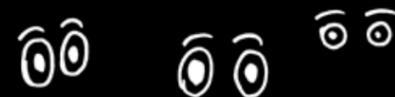


Wednesday, June 10, 2009



The fiction of electricity loss as the physical phenomenon – it demands huge imagination. One of the best present-day sci-fi authors Ondřej Neff offers this fiction in his novel "Darkness". After reading this book we understand that having the electricity is worth the effort.

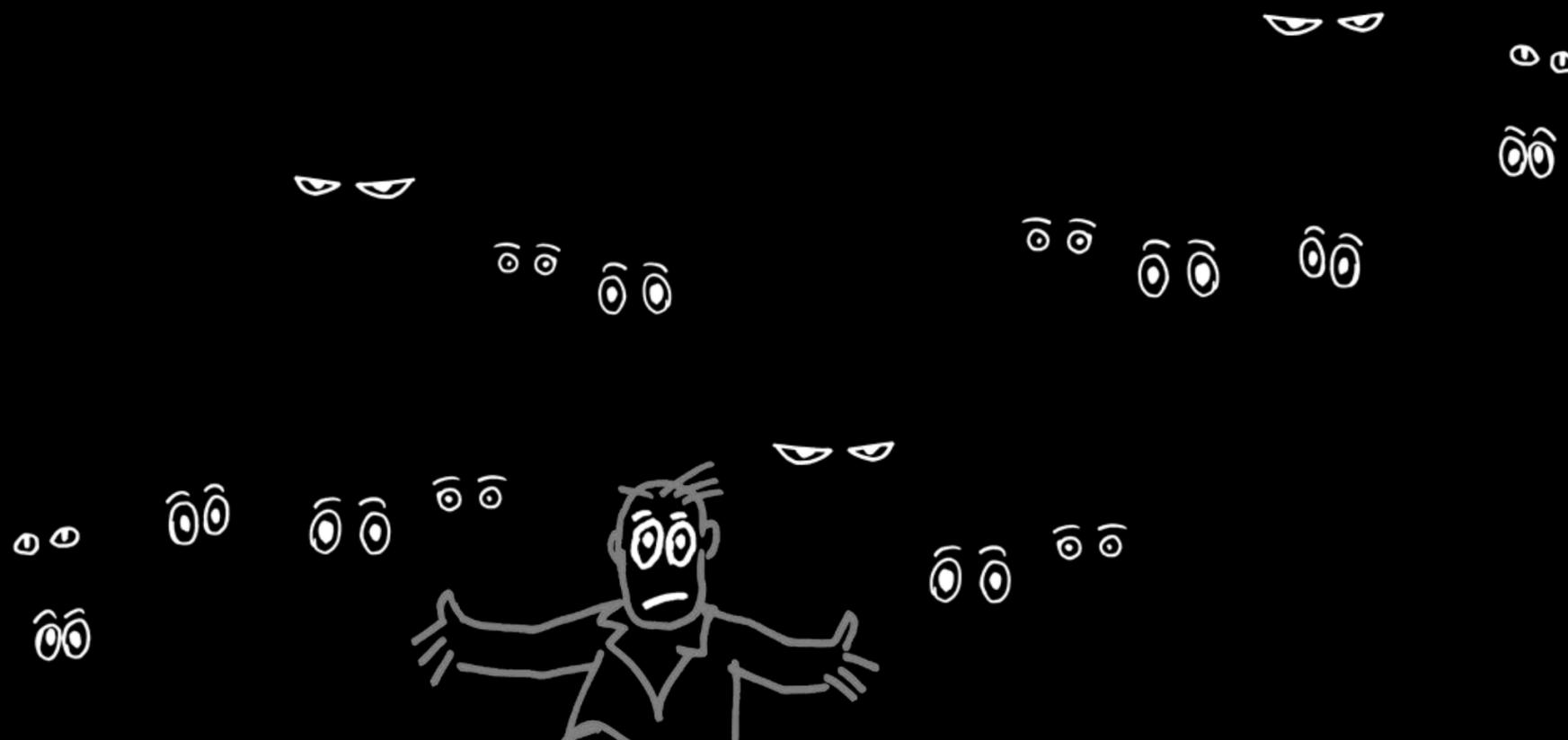
Therefore we critically need to assess and discuss all aspects of the methods leading to the provision of reliable and safe electricity supply to all of us.



### František PECHO

Opening presentation of the moderator, topic introduction and discussion of the essential questions necessary to be solved, film presentations – black-outs, consequences of the lack of electricity and crises in energy sector

After graduating the Slovak University of Technology, Faculty of Electrical Engineering he started to work in SEP, š.p., later in ZSE, a.s. and SE, a.s. Since 1991 he was preparing the project Datagyr C500 –the system for long-distance data collection from electrometers. After system completion he managed its operation. He worked also in international committees and took part on connecting of Slovak transmission grid to European grid. After the institutionalizing of the transmission grid operator (SEPS Company) in 2001 he worked on position of managing director for investments, later for IT and telecommunications; he managed a Slovak dispatch centre and operation; at the same time he was Member of the Board of Directors. He took part on all important Company projects from the beginning till October 2006. Leaving the SEPS Company, he provided consultancy services in OKOnet, a.s. At the present time he is the director of LIV Elektra a.s. operating in the field of construction and reconstruction of electric stations.





**Dušan RANDUŠKA** Director of Gas Trade Dept., SPP (Slovak Gas Co.), Bratislava

## GAS SUPPLY AND IMPACTS OF GAS AND ECONOMIC CRISIS ON THE SPP GAS MARKET

January gas crisis and lessons learnt from the crisis course ...

In 1986 he graduated the University of Economics with specialization on foreign trade economy. During 1995—1997 he graduated MBA study at the Webster University in Vienna. Since 1987 he has been working in the gas industry (Metalimex a.s. Praha, OMV AG Wien). Since 2001 he is a member of top management and division director of gas trade in the company SPP, a.s. and is responsible for purchase, sale and storage of natural gas for SPP needs.

moderator's summary and facilitated discussion, coffee break



**Andrej DEVEČKA** Member of the Board of Directors, E.ON – Západoslovenská energetika, a.s., Bratislava

## DISTRIBUTION AND ITS SENSITIVE POINTS – IMPLICATION OF CRISES IN ENERGY SECTOR

long-term investments in energy sector – necessity of strategic decisions • renewable energy sources and their risks in the distribution network

Andrej Devečka graduated the Slovak University of Technology in Bratislava with specialization on electric machines and devices. His whole professional life is connected with the energy sector, since 1977 he has been working in ZSE, a.s. (West-Slovakia Distribution Co.) in different leading positions, since 1991 as a member of top management. In the position of General Director he brought ZSE, a.s. to privatization. He is undertaking functions in statutory bodies of several organizations as e.g. Paroplynový cyklus, a.s., EDASZ Győr etc.





**Zdeněk FOUSEK** Member of the Board of Directors & Director of Power Trade, Czech Coal plc., Prague

CRISIS CONSEQUENCES ON THE DEMAND SIDE, PRICE SENSITIVITY – WHERE DID A MISTAKE HAPPEN? STOCK EXCHANGE AND ITS FLUCTUATION, CONFIDENCE TO ALLOWANCES, ECOLOGICAL TAXES, FUTURES ...

Stock exchanges are not able to achieve everything in the energy sector. Environmental care influences the energy prices more than we are thinking. Economic crisis affirmed that the principle of relation between energy offer and demand works without compromises as natural principles.

He graduated the Czech Technical University, Faculty of Nuclear and Physical Engineering in Prague. He launched his professional carrier in 1986 in the company ČEZ, since 1993 he has been working at the Ministry of Industry and Trade of the Czech Republic. During 1997—1999 he was in charge of the Czech negotiation team preparation for negotiation the access conditions of the Czech Republic to EU in the field of power industry and in 1999 he successfully lead the team through the EC screening. He entered the group Czech Coal after completing this mission. In the group Czech Coal he was responsible for establishment of electricity trade unit (2001) and up to the present day he is a head of this unit. He is also a member of the Czech Coal Board of Directors.



**Ján PIŠTA** Director, Purchase and Management of Portfolio, SSE (Central-Slovakia Power Co.), Žilina

HOW THE ELECTRICITY PRICE RESPONDS TO ECONOMICAL CRISIS AND HOW THE CUSTOMERS BEHAVIOUR AND POTENCY INFLUENCE THIS PRICE IN LONG TERMS

factors influencing electricity price • aspect of the crisis on the market with electricity • impact of the crisis of supplier's portfolio • scenarios of possible progress

He graduated in Physics of Solid Materials (Faculty of Mathematics and Physics, Comenius University in Bratislava, 1988). After that he was associated with Electrotechnical Institute of SAV. From the year 1990 he has worked in Stredoslovenská energetika, Žilina. His career he started as programmer – analyst with the project of Customer Information System (CIS). He was leader of project for automation of electronic meter reading, outsourcing of meter reading and complex system for electricity trading. He participated on the creation of the energy legislation, methodology and rules of electricity market. From 2006 he manages the section of purchase and portfolio management.

moderator's summary and facilitated discussion, lunch break



**Hannes WIMMER** Head of International Operations, TÜV SÜD Industrie Service GmbH, Energy and Technology, Munich

#### COMPARISON OF NATIONAL, EUROPEAN AND INTERNATIONAL LEGISLATION FOR GEN III REACTORS

Presentation provides an overview of the reactor assessment approach in several countries (for example, Finland and the United Kingdom) and summarizes the recommendations from international institutions such as the IAEA, WENRA and EUR. The interaction between these safety standards will be demonstrated for several new build projects.

After graduating with a first degree in chemistry from the Technical University in Munich, Hannes Wimmer was awarded his PhD degree in the field of Radiochemistry in 1992. Since then Hannes has held several positions within TÜV SÜD. Prior to 1998 Hannes was a Radioactive Waste Management expert and in the following two years (1998—2000) was Head of the Radioactive Waste Management Group. In 2000, Hannes was chosen to be Assistant Manager to the TÜV SÜD AG Board of Directors for a period of two years. Since 2002 Hannes has been the responsible person for knowledge management and recruiting for the nuclear operations within TÜV SÜD, while also holding the role of Head of the Reactor Core and Plant Dynamics Department. Following the acquisition of UK-based Nuclear Technologies in 2006, Hannes has been a board member with responsibility for international operations. Since 2008 Hannes has had increased responsibility as the Head of International Operations for the entire nuclear division within TÜV SÜD.



**Peter LUDROVSKÝ** Head of Division PTD/PG, Siemens s.r.o., Bratislava

#### NEW TECHNOLOGIES FOR NEW CONSTRUCTED PRODUCTION CAPACITIES IN SLOVAKIA

Presentation of Siemens Energy Sector focusing on innovative products and solutions

He was awarded the title of engineer at the Faculty of Engineering of the Slovak Technical University in Bratislava. After completing his studies, he worked for 11 years at SEP (now – Slovenské elektrárne). He joined ABB in 1991 as manager and later became the Director of the Power Plant Division. From 1997 he held the position of Chief Executive Officer and General Director of ABB Slovenskia s.r.o. for three years. In 2001 he became the Regional Director for Trade and Marketing of Alstom Power. He later acted as Managing Director and Trade Director of VSŽ Inžiniering (an engineering company in the steel sector) in Košice. After holding other major positions at the top management level at Slovak and Czech companies in the energy sector, on 1 October 2008 Peter Ludrovský became the Head of Division Energy Solutions Products & Services at Siemens s.r.o.





**Vladimír TVAROŠKA** Managing Director, Magna E.A. Ltd. Piešťany, Member of the “Council for Economy Crisis”

#### BUSINESS ACTIVITIES IN ENERGY SECTOR DURING ECONOMIC CRISIS

risks in trading with electricity and their impacts • motivation of customers when the electricity supplier would be changed

Vladimír Tvaroška is Executive Director of the company Magna E.A., which is trading with electricity. After graduation of the Economy University in Bratislava, the Faculty of Commerce, specialization on international trade, he worked in newspaper Pravda. In years 1999—2002 he was the advisor of Vice-Premier for economics Mr. Ivan Mikloš. As a member of the Vice-Premier tightest team he participated in establishing the Slovak economic policy and its promoting in different fields of economic life. Since October 2002 till July 2006 he was the State Secretary of the Ministry of Finance of the Slovak Republic. During his action at the Ministry of Finance he was responsible for preparation of the state budget, coordination of macroeconomic policies and financial management of EU funds. In 2006—2009 he was the director of Envico, a.s.



**Ľuboš TOMÍK** Director, CESys Ltd., Trnava

#### OPTIMIZATION MODEL FOR ELECTRICITY CONSUMPTION DURING THE CRISES

simulation of electricity trading from different voltage levels and operation profit calculation • electricity trading for third parties and calculation of costs related to the settlement of balancing deviations

Director of consulting company CESys Ltd. working in the field of energy. After graduating ČVUT, Faculty of Engineering with specialization on nuclear energy he worked in SE, a.s. During establishing of Nuclear Regulatory Authority of the Slovak Republic he worked in the field of probabilistic safety assessment. He gained experience in abroad in number of energy companies. During last years he worked as manager in foreign IT companies solving the opening and deregulation of Slovak energy market. During the period of 2002—2006 he was managing director of CENS (Centre for Nuclear Safety), international company working on the region of Central and Eastern Europe. Regarding the SE, a.s., privatization he is author and co-author of various studies performing energy market scenario modeling, i.e. Feasibility Study on NPP Mochovce 3 and 4 Completion for Ministry of Economy of the Slovak Republic.

moderator's summary and facilitated discussion

Congress ending



**Ľuboš TOMÍK, Jiří MAREK** congress chairman and vice-chairman



**Ľuboš TOMÍK** CESys s.r.o.

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**Jiří MAREK** JMM consulting

He is the consultant in the field of power industry and is the Head Executive of JMM Consulting, Ltd. – company focused on advisory services and organization of professional actions. After graduating ČVUT, Faculty of Technical and Nuclear Physics he worked in research, since 1974 has been working in power industry field (since 1996 in ČEZ). Last sixteen years he was the advisor of Minister of Industry and Trade, chairman and vice-chairman of Supervisory Board in ČEZ, member of supervisory boards in several energy distribution companies and advisor of Deputy Ministers of Finance. Relating to this he was dealing with reorganization of state administration in power industry, with development of state energy policy, with establishment of State Office for Nuclear Safety and with preparation of Czech power industry privatization. He is occupied by publication activities, mainly in the field of nuclear power industry, has wide experience in organizing of international and specialized professional conferences and meetings. His positions are stated in TV, broadcast and economic periodical magazines.



ORGANIZÁTOR  
KONFERENCIE:

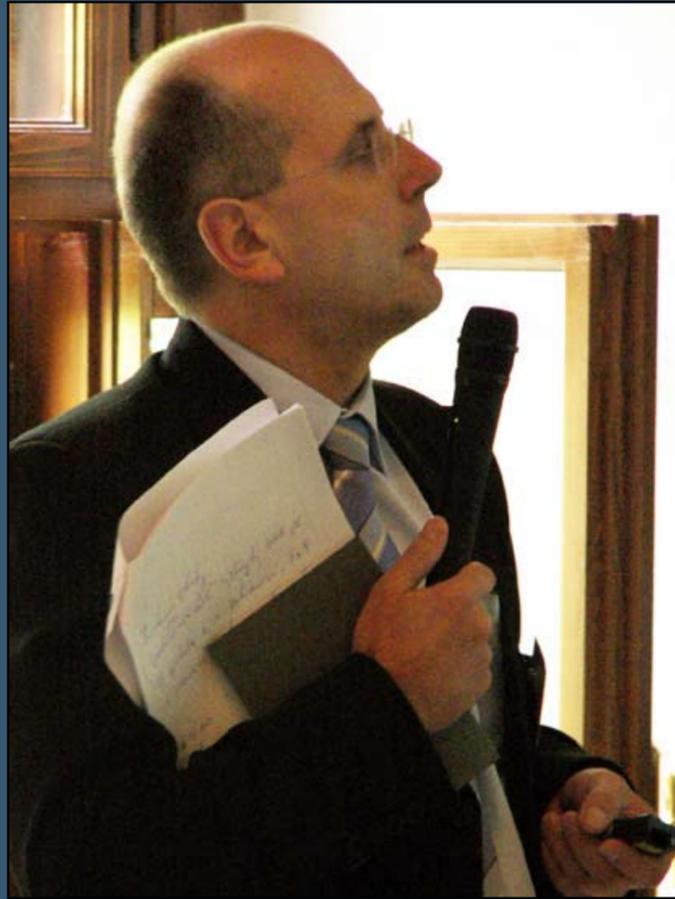


ERASMUS



















## Pálffy Palace Zámocká Street Bratislava

When we are talking about Zámocká Street, we shouldn't forget that up to now there is a torso of the Pálffy Palace summer wing still having significant artistic, historical and architectural values.

According to available historical sources the Pálffy Palace in the extramural settlement was built in time of Bratislava castle reconstruction, which was decided on the basis of a special act in 1635 by the Ugrian Concilium. This enables to Pavol Pálffy, a leader of the castle reconstruction, to build a large palace on the so called Schlosgrund. In order to assure a better building material supply to the building site, he opened a service road, which became later Zámocká Street. This street was then settled by Jewish settlers coming to the town from former manors of Mikuláš Pálffy.

In 1870 the town based on the deed of donation became the owner of the Palace and built up here artillery casern, orphanage and social flats for poor people. After 1900 the Palace complex was gradually cleansed and on its place a college on Svoradova Street and a contemporary primary school Palisády were built. In 1985 the preserved part of the Palace – the summer wing – was placed on the register of listed buildings.

(Young Wolfgang Amadeus Mozart during his visit of Bratislava had a concert exactly in Pálffy Palace under the castle hill and not at Ventúrska Street, like a memorial plaque is incorrectly informing.)

Source: <http://www.bratislavskenoviny.sk/12879/obnova-mesta/podari-sa-zachranit-torzo-palffyho-palacaa>