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INTERNATIONAL CONFERENCE

GAS AND NUCLEAR ENERGY FORUM 2011

30-31 May 2011, the hotel Warszawianka, Jachranka near Warsaw



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most wanted!

CONFERENCES

PRELEGENCI ENERGETYKA GAZOWA

Jacek Biedrzycki
The Automotive Industry Institute

Krzysztof Biernat, Ph.D. (Mech. Eng.)
Coordinator,
Polish Technology Platform for Biofuels

Justin Dargin
Research Fellow,
The Dubai Initiative, Harvard University

Jerzy Hadro
consultant, geologist,
Petro-Consult

Mychajło Honczar
Director of Energetic Programme,
NOMOS Center, Ukraine

Tomasz Karaś
Polish Oil and Gas Company (PGNiG)

Andrzej Konoplanik
Board Adviser
GAZPROMBANK, Russia

Asim Mollazade
chairman of Party for Democratic Reforms
parliament of Azerbaijan

Zdzisław Muras, Ph.D.
Director, Department of Energy Enterprises
Energy Regulatory Office

Andrzej Piwowarski
International Expert for Gas Industry

Paweł Poprawa
The Polish Geological Institute

MSc Eng. Andrzej Sikora
The Energy Studies Institute

Konstantin Simonow
General Director
National Energy Security Fund, Russia

Piotr Spaczyński
Legal Advisor, Partner,
SSW Spaczyński, Szczepaniak i Wspólnicy

Aleksander Superfin
General Director, Project Akkuyu NPP
ROSATOM, Republic of Turkey

Marat Terterov
Director
European Geopolitical Forum, Brussels, Belgium

Representative from Gazprom Marketing
and Trading USA (GMT USA)

NUCLEAR ENERGY – SPEAKERS:

Zbigniew Bachman
Chairman of the Board
Fundacja Wszechnicy Budowlanej

Peter Berben
Adjunct to VP Strategy & Development
GDF SUEZ Group, Belgium

Husejn Czaczenow
ATOMSTROYEXPORT, Russia

Mirosław Duda, Ph.D.
Board Adviser
The Energy Market Agency

Dr.-Eng. Stefan Hirschberg
Head of the Systems/Safety Analysis Section
the Paul Scherrer Institut, Switzerland

Ziemowit Iwański
Region Executive – Market Growth
GE Hitachi Nuclear Energy

Wiktor Kosourow
Senator
Novosibirsk Oblast, Russia

Alexander I. Kukshinov, Ph.D.
Deputy Head of Department, Division of Foreign Affairs,
ATOMSTROYEXPORT, Moscow, Russia

Walentin Mieżewicz
Senator, First Deputy Chairman
Federation Council of Russia

Jozef Misak
Director for Strategy
Nuclear Research Institute Rez plc.

Aneta Pacek-Łopalewska
legal adviser
Law Office of Environmental Protection

Adam Rozwadowski
AREVA Poland

Prof. Dr.-Eng. Andrzej Strupczewski
Chairman of Nuclear Safety Board
Institute of Atomic Energy POLATOM,
an expert on nuclear safety in the International Atomic
Energy Agency,
the European Commission and the Ministry of Environment of
Austria

Piotr Syrczyński
Principal Adviser of Environmental Protection,
WS ATKINS

MSc Łukasz Szkudlarek, Head of FUNDEKO*

Holger Tietze-Jaensch, Ph.D.
Director of Control Office of Processed Waste, Institute for
Safety Research and Reaktor Technology
Department of Nuclear Waste Management, Germany

MSc Eng. Zbigniew Wiegner
Former Director of build
Nuclear Power Plant in Finland OL-3, WARBUD SA (Vinci)



Patroni merytoryczni



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Patroni medialni



'Polish Energy Policy 2030' was adopted by the Council of Ministers on 10 November 2009. It is currently the basic document that contains a long-term strategy for energy sector development, the forecast for fuel demand, and the schedule of activities by 2012. This is to help in solving the most important problems and meet the demand for energy which is still growing.

'Polish Energy Policy 2030' sets six main ways of development:

- Improving energy efficiency
- Increasing security of fuels and energy supply,
- Diversification of the structure of electricity generation through the introduction of nuclear energy
- Development of renewable energy, including biofuels,
- The development of competitive markets for fuels and energy,
- Limiting the impact of energy on the environment.

As assumed in that document regarding gas market, "the main objective [...] is to ensure national energy security by diversifying sources and ways of natural gas supplies.

The specific objectives in this area are:

- Increase by Polish companies natural gas resources at their disposal,
- Increase the capacity of natural gas production on Polish territory,
- Provision of alternative sources of gas supply lines to Poland,
- Expansion of the transmission and distribution of natural gas,
- Increasing the capacity of the stocks of natural gas,
- Acquisition by Polish companies the access to natural gas outside the country,
- Acquisition of natural gas using coal gasification technology,
- Economic use of methane through the exploitation of the ground surface wells.'

These are just a few topics that are raised from the issues of gas.

Another topic is the scope of Nuclear Energy. In November 18, 2010, the Council of Ambassadors of OECD accepted the Polish proposal for membership in the Nuclear Energy Agency NEA OECD, which currently counts 29 countries (including Poland), and 17 of them have nuclear power plants. Polish co-operation with the NEA is an important element of the program of nuclear energy development in Poland. It provides access to knowledge and experience of an international organization which plays an important role in the development of nuclear energy in OECD countries. As Ms. Hanna Trojanowska, the Deputy Minister of Economy and the government agent for nuclear energy, said in the interview: "We are on the threshold of our nuclear development program and I'm sure this will be valuable expert assistance. The more, the NEA has a broad catalogue of the recommendations, expertise and analysis that will certainly be helpful to Poland." In December 2010, the Ministry of Economy has submitted an environmental impact assessment of Nuclear Energy Program, and in January 2011 the Council of Ministers adopted the program. Preparations are underway for the selection of the reactor for the Polish nuclear power plants, which will be an important reference point for other countries.

The Forum's objective is to bring together the leading executives and experts involved in issues of natural gas and nuclear energy, and to create a field for the debates on the topics mentioned above. The conference will start a plenary session, which will concern general issues of Energy. After the session the two parallel conferences will begin: Gas Market and Nuclear Energy. **Mr. Andrzej Szczesniak**, an expert in the gas market, confirmed his participation in the conference. Mr Szczesniak will support the merits of the conferences with gas market areas and will chair the panel regarding these topics. **Mr. prof. dr. Andrew Strupczewski** from the Atomic Energy Institute, has also confirmed his participation, and will support the merits of the Nuclear Energy Conference.

I believe that the Gas Forum and Nuclear Energy will be an interesting place to exchange the experiences and knowledge among the invited representatives of energy-related industries.

On behalf of the Most Wanted! Conferences I hope to welcome you to this special meeting.



Wojciech Chromik
Chairman of the Board
Most Wanted! Conferences

KEY ISSUES

POLISH POWER SECTOR:

- What are the challenges for the Polish energy?
- Poland between Europe and Russia - Energy Challenges
- Ensuring energy security in Poland
 - a strategic need for energy resources
 - identification of best practices
 - specific business activities
- Evaluation of opportunities and threats for the Polish energy security
- measures to minimize the risk of economic and social
- measures to maximize opportunities for investment
- A wave of investment in the Polish energy sector and power plants:
 - organizational and financial challenges, and EU environmental standards, handled technical base and technological backwardness
- Do we have a stalemate in the Polish energy sector investment?

GAS ENERGY:

- Will the natural gas market in Poland grow? The prospect of an independent distribution company
- Changes to the pricing policy of Gazprom in Europe: between electricity formulas and the oilspot market
- The EU and the Gulf Cooperation Council: A new direction of European energy diversification
- Southern Gas Corridor - a European project and the interests of the Central Europe countries (Ukraine, Poland, Belarus)
- EU Energy Security: Is Russia a reliable partner, or maybe a risk factor?
- Russian and European gas market
- Global Geopolitics on the gas market - the importance for Europe
- PANEL DISCUSSION: Central and Eastern Europe and Russia - the energy dialogue
- Polish gas market - development trends
- Prices, monopolies, subsidies, or how to interrupt the vicious cycle of regulation
- LNG Terminal - gas terminal - a Polish energy security
- European regulations - a challenge for the energy market
- Gas and oil - will share or unite the Europe?
- Perspectives and directions of gas market development in Poland. Security of supply, competition and balance of gas
- Energy based on gas: the raw materials, investments, profitability and economics?
- Gas Projects in Europe
- Storage as a strategic investment
- Shale Gas in Poland - the search, the potential of new technologies, economic significance.

NUCLEAR ENERGY:

- Poland Nuclear Energy Program
- Evaluation of nuclear energy program impact on the environment
- What level of security provides us the laws and regulations introduced in Poland?
- Nuclear power plants in Poland - what are the involvements of Polish companies for their building?
- Construction of nuclear power plant and waste disposal
- Nuclear energy - legal aspects
- What are the prospects for nuclear energy in Poland?
- Experience and prospects of building nuclear power plants by Russian technology
- Experience and prospects of building nuclear power plants in the EU
- Lack of experienced technical staff, supply chain - still a challenge for nuclear energy?

We invite to join the conference:

- The Government of the Republic of Poland
- Representatives of government institutions responsible for energy policy (including departments and faculties of the institutions responsible for regional development, infrastructure, acquisition of EU funds)
- Governments interested in developing nuclear energy in Poland
- Polish Parliament, the European Parliament, European Commission
- Operators of gas in Poland and Europe
- Operators of nuclear power plants
- Representatives of local governments: the marshals, presidents, mayors, prefects
- Investors
- Ports Management
- Representatives of the Maritime Offices
- Investors interested in the involvement of private capital in building the infrastructure of the LNG terminal
- Consortia and companies planning to build infrastructure and regasification terminal (office planning, general contractors, architecture firms, engineers contracts)
- Companies providing technical systems
- Consulting - financial analysis, feasibility studies, general plans, environmental reports
- Law companies
- Banks
- Insurers
- Companies providing IT solutions



PROF. DR. ANDRZEJ STRUPCZEWSKI

Chairman of Nuclear Safety Board in the Institute of Atomic Energy POLATOM, an expert on nuclear safety in the International Atomic Energy Agency, the European Commission and the Ministry of Environment of Austria

Has 50-years experience of working in the field of reactor engineering and nuclear safety, including six years as a leading expert in reactor safety issues, and comparative analysis of the risk posed by different energy sources in the International Atomic Energy Agency in Vienna; fulfills 30 missions in the field of nuclear safety for nuclear power plants and reactors research in many countries; from 4 years is an expert on reactor safety in the European Commission and the Ministry of Environment of Austria; the author of two books and over 150 papers on nuclear energy and related issues.



ANDRZEJ SZCZĘŚNIAK,

fuel and gas market expert

Has a cultural education. In the 80's worked as a private entrepreneur, since 1991 worked in the oil sector, since 1992 worked in the Polish Chamber of Liquid Fuels, was a president of PCLF in 1995 - 2001; from 1999 to 2002 - chairman of the Consortium Gdanski SA; in the years 2002 to 2006 - in the Polish Organization Liquefied Petroleum Gas, 2002 - 2006 cooperated with the Adam Smith Centre, from May to December 2006 - Grupa LOTOS SA, where started as a director of the Regional Centre, then since August got promoted to Chairman of the Board of "Lotos Partner". Currently is a fuel market expert, specializing in the oil market, fuels, natural gas and LPG.

10.00-10.30 REGISTRATION, WELCOMING COFFEE

PLENARY SESSION

10.30-10.40 CEREMONIAL OPENING OF THE FORUM

10.40-11.00 What are the challenges for the Polish energy?

11.00-11.40 Poland between Europe and Russia – Energy challenges

- Energy dialog between UE and Russia
- Are we dealing with new Russian energy policy?
- Why is EU-27 not ready for common gas energy policy?
- How long will Gazprom be a main natural gas supplier for CEE
- Russian pricing policy against energetic needs of Europe
- Will unconventional gas break the trends and is Poland ready to be a leader of European gas independence?

Speaker: **MSc Eng. Andrzej Sikora**, The Energy Studies Institute

11.40-12.00 Ensuring energy security in Poland

- a strategic need for energy resources
- identification of best practices
- specific business activities
- Evaluation of opportunities and threats for the Polish energy security
- measures to minimize the risk of economic and social
- measures to maximize opportunities for investment

12.00-12.15 A wave of investment in the Polish energy sector and power plants - organizational and financial challenges, and EU environmental standards, handled technical base and technological backwardness

12.15-12.45 Comparative analysis of accidents and breakdowns in energy sector

Speaker: **Dr-Eng. Stefan Hirschberg**, Head of the Systems/Safety Analysis Section in the Paul Scherrer Institut, Switzerland

12.45-13.00 COFFEE BREAK



GAS

CHAIRMAN OF THE CONFERENCE: GAS MARKET 2011 –
Andrzej Szczęśniak, Gas Market Expert

13.00-13.10 CEREMONIAL OPENING OF GAS ENERGY SESSION

13.10-13.30 Gazprom's marketing strategy in Europe (with a particular focus on Central Europe)

Speaker: **Gazprom Marketing and Trading USA (GMT USA)**

13.30-14.00 The role of Caspian energy resources in energy security of Europe

Speaker: **Asim Mollazade**, chairman of Party for Democratic Reforms, parliament of Azerbaijan

14.00-15.00 BUSINESS LUNCH



15.00-15.25 Energy Security within Trans-National Energy Policy

- Global governance in the energy sector and international energy cooperation
- Producers Vs Consumers of Energy
- State Owned Enterprises (SOEs)
- Eurasian oil and gas pipelines as a case study – politics or economics

Speaker: **Marat Terterov**, Director, European Geopolitical Forum, Brussels, Belgium

15.25-15.50 The European Shale Gas Revolution: New Dimensions for European Diversification

- Potential resources of shale gas in Europe – the importance for member states of the EU
- How to invest in shale gas resources?
- How to facilitate technology transfer?
- Development of the workable EU rules on shale gas market

Speaker: **Justin Dargin**, Research Fellow, The Dubai Initiative, Harvard University

15.50-16.35 The external suppliers problems and risk related to EU Third Energy Package and the ways to overcome it

- Why the Third Energy Package has attracted such big attention from the non-EU suppliers, especially of Russia?
- Export of Russian gas to Europe: changes after dissolution of the USSR and COMECON (zones of new risks for current supplies)
- Future organization of internal common EU gas market according to the Third Energy Package – a change in business model (new risks for current and future supplies)
- Contractual structure of cross-border gas supply chain from Russia to the EU – and the “grey zone” of application of the Third Energy Package for Russian contracts
- Structure of the Third Energy Package (gas) and time-framework for preparation all the necessary documents: whether delays are for bad or for good?
- Russia's reaction on the EU Third Energy Package
- Main problems of the Third Energy Package – where to look for the mutually acceptable solutions

Speaker: **Andrzej Konoplanik**, Board Adviser, GAZPROMBANK, Russia

16.35-17.10 Southern Gas Corridor vs Russian Streams. Impacts on the interests of the Central and Eastern Europe countries (V4, Ukraine, Belarus)

Speaker: **Mychajlo Honczar**, Director of Energetic Programme, NOMOS Center, Ukraine

17.10-17.30 Energy security and the importance of shale gas: perspectives, experiences and importance

Speaker: **Paweł Poprawa**, The Polish Geological Institute

17.30-17.40 END OF THE FIRST DAY

NUCLEAR ENERGY

CHAIRMAN OF THE CONFERENCE: NUCLEAR ENERGY MARKET 2011 –
Piotr Syrczyński, Principal Adviser of Environmental Protection, WS ATKINS

13.00-13.10 CEREMONIAL OPENING OF NUCLEAR ENERGY SESSION

13.10-13.25 What are the prospects for nuclear energy in Poland?

13.25-13.50 GE's nuclear reactors

Speaker: **Ziemowit Iwański**, Region Executive – Market Growth, GE Hitachi Nuclear Energy

13.50-14.30 BUSINESS LUNCH



14.30-15.00 AREVA's capacities for Polish Nuclear Energy Program

- European Pressurized Reactor: European project
- The real project implementation experience
- Training
- Supply chain: Exploitation of local resources
- Nuclear fuel: security of supply, recycling, wastes

Speaker: **Adam Rozwadowski**, AREVA Poland

15.00-15.20 Experience and prospects of Nuclear Power Plants construction on the Russian technologies

Speaker: **Alexander I. Kukshinov, Ph.D.**, Deputy Head of Department, Division of Foreign Affairs, ATOMSTROYEXPORT, Moscow, Russia

15.20-16.00 Nuclear Waste Management – the key matter in dispute on acceptance of nuclear energy in Germany

Speaker: **Holger Tietze-Jaensch, Ph.D.**, Director of Control Office of Processed Waste, Institute for Safety Research and Reaktor Technology, Department of Nuclear Waste Management, Germany

16.00-16.45 Nuclear Energy. Prospects, investments, technologies

Speaker: **Husejn Czaczenow**, ATOMSTROYEXPORT, Russia
Speaker: **Aleksander Superfin**, General Director, Project Akkuyu NPP, ROSATOM, Republic of Turkey
Speaker: **Walentin Mieżewicz**, Senator, First Deputy Chairman of Federation Council of Russia

16.45-17.30 PANEL DISCUSSION

17.30-17.30 END OF THE FIRST DAY

19.00-22.00 BANQUET

GAS

10.00-10.45 Ukrainian gas transit

Speaker: **Konstantin Simonow**, General Director, National Energy Security Fund, Russia

10.45-11.30 Principles of functioning of companies on gas petroleum market – regulator's importance and tasks

- Idea and basic principles of changes in functioning of gas market.
- Licensing:
 - Licence and promise of licence
 - Circulation of natural gas abroad
 - Duties of licensed enterprises
- Tarification
- Dispute resolution
- Competition protection

Speaker: **Zdzisław Muras, Ph.D.**, Director, Department of Energy Enterprises, Energy Regulatory Office

11.30-12.00 COFFEE BREAK 

12.00-12.30 Shale Gas – legal aspects

Speaker: **Piotr Spaczyński**, Legal Advisor, Partner at SSW Spaczyński, Szczepaniak i Wspólnicy

12.30-13.00 Liquefied Natural Gas as an alternative to gas import

Speaker: **Andrzej Piwowarski**, International Expert for Gas Industry

13.00-13.40 Environmental aspects, exploration and exploitation of shale gas

Speaker: **Jerzy Hadro**, consultant, geologist, Petro-Consult

13.40-14.30 BUSINESS LUNCH 

14.30-14.45 Significant aspects of LPG and CNG safe exploitation

- LPG vs. CNG
- Technical solutions for installations
- safety of exploitation

Speaker: **Jacek Biedrzycki**, The Automotive Industry Institute

15.45-16.00 Gas plants

Speaker: **Tomasz Karaś**, Polish Oil and Gas Company (PGNiG) *

16.15-17.15 Diversification of gas supply in Poland and Europe – now and in the future

Chairman: **Andrzej Szczęśniak**, Gas Market Expert
 Panelist: **Andrzej Piwowarski**, International Expert for Gas Industry
 Panelist: **MSc Eng. Andrzej Sikora**, The Energy Studies Institute


17.15 END OF THE CONFERENCE

NUCLEAR ENERGY

10.00-11.00 What level of security do the Polish acts and decrees provide?

Speaker: **Prof. Dr.-Eng. Andrzej Strupczewski**, Chairman of Nuclear Safety Board in the Institute of Atomic Energy POLATOM, an expert on nuclear safety in the International Atomic Energy Agency, the European Commission and the Ministry of Environment of Austria

11.00-11.20 Nuclear energy – legal aspects

11.30-12.00 COFFEE BREAK 

12.00-12.30 GDF SUEZ Nuclear Energy Development Strategy

Speaker: **Peter Berben**, Adjunct to VP Strategy & Development, GDF SUEZ Group, Belgium

12.30-13.00 Energy challenges for Poland

Speaker: **Mirosław Duda, Ph.D.**, Board Adviser, The Energy Market Agency

13.00-13.30 Experience of development of key technical documents needed to initiate the new nuclear units

Speaker: **Jozef Misak**, Director for Strategy, Nuclear Research Institute Rež plc.

13.30-14.30 BUSINESS LUNCH 14.30-15.00 Speaker: **Piotr Syrczyński**, Principal Adviser of Environmental Protection, WS ATKINS

15.00-15.30 The influence of Nuclear Energy Program on Environment

Speaker: **MSc Łukasz Szkudlarek**, Head of FUNDEKO

15.30-16.15 Nuclear power plants in Poland - what are the involvements of Polish companies for their building?

Speaker: **MSc Eng. Zbigniew Wiegner**, Former Director of build, Nuclear Power Plant in Finland OL-3, WARBUD SA (Vinci)
 Speaker: **Zbigniew Bachman**, Chairman of the Board, Fundacja Wszelchnicy Budowlanej

16.15-17.15 PANEL DISCUSSION

Chairman: **Piotr Syrczyński**, Principal Adviser of Environmental Protection, WS ATKINS
 Panelist: **Holger Tietze-Jaensch, Ph.D.**, Director of Control Office of Processed Waste, Institute for Safety Research and Reaktor Technology, Department of Nuclear Waste Management, Germany
 Panelist: **Aneta Pacek-Łopalewska**, legal adviser, Law Office of Environmental Protection

17.15 END OF THE CONFERENCE



OLD POLISH FEAST

In the evening on the first day we invite all participants of Forum and invited guests to the old Polish feast.

Starting at 20.00 The Chata Górska Restaurant will serve the traditional Polish and highland dishes.

The informal atmosphere of May evening will be conducive to discussions not only about business matters...



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