

DAY I – 27th of January

PANEL 1 - What will happen in energy sector in 2020 –the government's and companies' perspective

- Polish national interest vs global energy trends
- Energy mix beyond 2020 – coal, gas, renewables, nuclear energy
- Mayor challenges for 2020– the plans of the government and companies
- "Clean Air" & "My energy" programs - implications for the economy
- State intervention on electric energy market – freezing energy prices in 2019
- NordStream vs Baltic Pipe - key projects for European safety ad 2020
- NFOŚiGW programs for prosumer energy development
- Renewable energy investment projects of energy sector companies
- Capacity market – first impressions
- How to win public approval for new energy policy?

PANEL 2 – Opportunities of the heat market and implications of the "Clean Air" program

- Act on promotion of co-generation – implication for heating sector companies
- Capacity market and its significance for the heating sector
- "Clean Air" program - who can benefit from investment funds
- Effective heating systems – conditions for successful transformation of the sector. Selection of the optimum fuel for new generation units - coal, gas or other medium
- Heat from renewable sources – market niche or necessity?
- Heat from waste – development capacity, affordable technologies
- Replacement of heat infrastructure - technologies for modern heating networks

PANEL 3 - Polish gas and fuel market

- Gas extraction in Poland – development perspectives
- Import of gas and fuel to Poland – alternative directions
- Key investment projects for Polish fuel and gas market
- Consequences of pollution of imported fuel - conclusions for future strategies
- Gas as "clean" fuel for industrial and individual customers
- Priorities in the extension of gas mains and distribution network
- Perspectives for the development of Polish LNG market
- Storage infrastructure and its consequences for gas and fuel market development
- Gas in the portfolio of energy sector companies

PANEL 4 – Horizon 2050: Innovation in generation, networks and distribution sector

- Traditional investments vs investments in energy sector .
- Is innovation the key for energy companies to survive and develop?
- Benefits of innovation – supplementing traditional business model in energy sector or development of a new business line
- innovation challenges – people, technologies, funds
- Areas of innovation in Polish energy sector
- Government policy reflected in updated strategies of key energy sector players - consequence of market transformation
- Start-up program as the source of innovation - how Polish companies benefited from the potential and know-how of the market.

PANEL 5 – Know-how and capacity of Polish manufacturing companies in renewables segment

- Polish manufacturers of RE infrastructure components - how large is the local content capacity?
- Distributed (local) energy generation and prosumer generation - Can Poland become a leader in this segment
- PV market development - small household instalations or big-scale farms
- Self-governments - tough yet desirable business partner
- E-mobility - e-vehicles, charging points, development of energy storage infrastructure
- Can Poland become a leading manufacturer of components for wind industry (both on-shore and off-shore)

PANEL 6 – Renewables in portfolio of Polish market leaders

- Alternative fuels used in energy sector in current legislation
- Renewables - projects, solutions, synergies
- E-mobility - leaders and market dynamics.
- Off-shore - future of Polish renewables?
- Prosumers as the element of renewables market, - "My Electricity" Program
- Energy storage projects ad 2020 - essential element of clean energy market.
- Charging infrastructure development strategy - Does current legislation stimulate development of infrastructure
- Alternative fuels - hydrogen and gas - prospects of development on regional market
- Strategies and activity of Polish industry in the scope of alternative energy sources

End of first Day of Congress

DAY II – 28th of January

TECHNICAL TRIP – ŻERAŃ HEAT & POWER PLANT

ECB and PGNiG Termika invite you to a technical trip around Żerań Heat and Power Plant (EC) Żerań - the second largest heat source facility for Warsaw managed by PGNiG Termika SA. Żerań Heat and Power Plant is one of five facilities in Warsaw agglomeration managed by PGNiG Termika SA. At present, Żerań Heat and Power Plant is under modernisation and expansion process adjusting existing installations to restrictive environmental requirements. Additionally there are some design and construction works on the site aiming at the development of new generation units planned to replace the old power plant sections.

The technical tour will take our visitors along the engine room with turbine section, heat and power control station, steam and fluidized boilers, power switch room as well as newly constructed combined gas&steam generation unit and gas boiler house. The boiler house fuelled by gas in Żerań Heat and Power Plant comprises three water boilers with the heat power output of 130MWt each (390 MWt in total). This boiler house shall replace the older water boilers fuelled by coal. This development shall decrease the amount of pollutants emitted to the air and shall meet both present and future environmental restrictions.

The gas-steam power unit in Żerań Heat and Power Plant is the key investment project in PGNiG Termika SA. This modern generation unit is critical for energy security of Warsaw agglomeration. Furthermore, due to the implementation of the cutting edge gas technologies it will considerably improve the air quality and will meet the most restrictive European environment protection criteria. The unit will be equipped with F class gas turbine with waste heat boiler and steam turbine. The unit will reach the power output of 496MWe and the heat output of 326MWt.

NOTICE! The persons concerned for participation are obliged to fill in additional entry form which is available at www.powerpol.pl in REGISTRATION bookmark. The confirmation of being registered on the participants list who are allowed to be on Żerań Heat and Power Plant is the requirement for the trip participation. The list is turned over by Europejskie Centrum Biznesu. The number of members is limited.

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