



2nd Technical Conference: „Implementation of power units with supercritical parameters”

19-21 November 2014

Kazimierz Dolny („Król Kazimierz” Hotel) - Koziencice Power Station (Świerże Górne)

Framework Programme*

Day 1 - 19.11.2014, Kazimierz Dolny („Król Kazimierz” Hotel)

15.00-17.00 Registration at the Conference Office / Lunch

17.00 Official opening; presentation of the Conference programme and objectives

- Dorota Kubek, Mariusz Marchwiak, „Nowa Energia” Publishing House
- Mieczysław Borowski, President, Urząd Dozoru Technicznego [the Office of Technical Inspection]
- Piotr Andrusiewicz, Vice-President of the Board, ENEA Wytwarzanie SA

Conference / Debate Moderator: Prof. Wojciech Nowak, Ph.D., D.Sc. Eng., Director of the Energy Centre, AGH University of Science and Technology, Kraków

17.00-19.00 DEBATE - Discussion Panel with the participation of invited guests

Topics to be discussed: the future of the Polish energy sector; the road map for the energy sector until 2050 (decarbonisation); new challenges in the field of environmental protection - emissions of mercury, NO_x, dust, furnace waste treatment, opportunities and threats related to EU's climate policy; safety of technologies and materials used in units with supercritical and ultra supercritical parameters; challenges for investors in the implementation of supercritical units.

Speakers in the debate (in alphabetical order):

- Piotr Andrusiewicz, Vice-President of the Board, ENEA Wytwarzanie SA
- Mieczysław Borowski, President, Urząd Dozoru Technicznego [the Office of Technical Inspection]
- Prof. Tadeusz Chmielniak, Ph.D., D.Sc. Eng., Institute of Power Machinery, Politechnika Śląska [Silesian University of Technology]
- Jacek Janas, Vice-President of the Board, Production Director, TAURON Wytwarzanie S.A.
- Prof. Janusz Lewandowski, Ph.D., D.Sc. Eng., Institute of Heat Engineering, Warsaw University of Technology
- Tadeusz Soroka, Ph.D., D.Sc. Eng., Director of Strategic Projects, Kompania Węglowa SA

20.00-01.00 Gala dinner, disco Night Club

Day 2 - 20.11.2014 - Kazimierz Dolny („Król Kazimierz” Hotel)

8.00-9.30 Breakfast at the hotel

10.00-12.00 PANEL 1

- **Capacity replacement vs. CCS** - Prof. Wojciech Nowak, Ph.D., D.Sc. Eng., Director of the Energy Centre, AGH University of Science and Technology, Kraków

- **Connection of new units to the National Power System vs. Energy security of Poland** - Adam Oleksy, Deputy Director, System Development Department, Polskie Sieci Elektroenergetyczne SA

- **Units with supercritical and ultra supercritical parameters - technical and environmental conditions of their introduction to the market** - Prof. Tadeusz Chmielniak, Ph.D., D.Sc. Eng., Institute of Power Machinery, Politechnika Śląska [Silesian University of Technology]

- **Najnowocześniejsza technologia budowy kotłów. Różnica pomiędzy kotłem opalonym węglem brunatnym a kotłem opalonym węglem kamiennym** - dr Björn Henning, Mitsubishi Hitachi Power Systems Europe GmbH

12.00-12.30 Break: talks and exchange of experience

12.30-14.30 PANEL 2

- **Generation capacity market** - Arkadiusz Ratajczak, Legal Counsel, Kancelaria Adwokacka Dr Mariusz Swora [Swora Legal]

- **Operational experience with a 460 MW unit at TAURON Wytwarzanie, Łagisza Power Station** - Jacek Janas, Vice-President of the Board, Production Director, TAURON Wytwarzanie S.A.

- **APROS: software for dynamic simulation of power plant processes including the operation of automation systems, and examples of practical applications in the power industry** - Sami Tuuri, Product Manager, Stanisław Borawski, Sales Director, Fortum Power and Heat Polska Sp. z o.o.

- **Effect of long-term use on the properties and microstructure of the new generation of austenitic stainless steel used to produce the steam superheater elements in blocks supercritical** - Paweł Urbańczyk, Department Chief Specialist Pressure Equipment, Urząd Dozoru Technicznego

14.30-15.30 Lunch

15.30-17.00 PANEL 3

- **Construction of a new power unit with supercritical parameters, with a capacity of 910 MWe at TAURON Wytwarzanie S.A., Jaworzno III Power Station** - Eugeniusz Białoń, Director, Investment Projects Department, TAURON Wytwarzanie S.A.

- **A new hard coal-fired power unit with supercritical parameters, with a capacity of 910 MW, at the Jaworzno III Power Station - boiler island design** - Krzysztof Janeczek, Chief Design Engineer, RAFAKO S.A.

- **GM960 Boiler Wall Monitor** - Edward Sucharda, Project and PA Service Department Manager, SICK Sp. z o.o.

17.00-17.30 Break: talks and exchange of experience

17.30-19.00 PANEL 4

- **Czczott power plant - the design goals** - Tadeusz Soroka, Ph.D., D.Sc. Eng., Director of Strategic Projects, Kompania Węglowa SA

- **Rockwool modern and efficient insulation solutions for the heat and power industry** - Robert Domański, Sales Engineer, Rockwool Technical Insulation

- **Sustainability technologies - the use of protective coatings in power** - Ryszard Grzelka, Technical Director, Plasma SYSTEM S.A.

Content summary of Day 2 of the Conference

20.00- 24.00 Sociable dinner, bowling and billiards

Day 3 - 21.11.2014 - Kozenice Power Station (Świerże Górne)

8.00-9.30 Breakfast at the hotel

9.45 Travel to the Kozenice Power Station (by own transport)

11.00-12.30 PANEL 5

- **Construction stages of the new 1075 MW unit at Kozenice** - Marek Różycki, z-ca dyrektora ds. budowy bloku, ENEA Wytwarzanie SA

- **MHPS Europe GmbH - new organisation in Europe. Progress in the new unit construction at Kozenice Power Station** - Wiesław Mariusz Różacki, Country Executive Poland, Mitsubishi Hitachi Power Europe GmbH

- **Forests and the power sector: a symbiotic system?** - Małgorzata Falencka-Jabłońska, D.Sc., Department of Forest Ecology, Forest Research Institute, Sękocin Stary

12.45 Technical visit to the Kozenice Power Station about 14.00 Lunch (within the Power Station premises)

*The programme may be modified by the Organiser