

HYDROPOWER BALKANS



2nd annual International Summit and Exhibition
6-8 November 2018, Budva, Montenegro

Organised by:
VOSTOK CAPITAL

Silver sponsor
2018:



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Exhibitors
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The 2nd annual International Summit and Exhibition HYDROPOWER BALKANS 2018 6-8 November

DAY 1: 6 November, Tuesday

08:00 Welcome coffee, registration and networking

09:00 – 19:30

ONSITE VISITS TO PIVA AND PERUCICA HPPs*, MONTENEGRO

Onsite visits to EPCG's 2 hydropower plants, planned to be reconstructed over the next 5 years. The visitors will learn about the Operator EPCG's investment programme for HPPs reconstruction, as well as technologies, equipment used, and expected performance indicators. Besides, the participants will ask burning questions to the Operator's and HPPs' decision-makers.

Power utility EPCG plans to invest EUR 40 million in the revitalization of Piva and Perućica HPPs in the next five years (till 2022), what will extend their life expectancy. **HPP Perućica revitalization** includes the reconstruction and modernization of hydromechanical and electrical equipment in units A5, A6 and A7, the reconstruction of the Opačica and Moštanica channels, as well as the distributed control system, and the revitalization of the units A1, A2, A3, A4 and A5 is also expected. Also, HPP Perućica will get new, 58.5 MW unit, its eighth in a row. As part of the **HPP Piva revitalization**, procurement of modern equipment for monitoring dams and sanitation of injection curtains is planned, as well as capital overhaul of two units during 2019 and 2021.

08:00 – 09:00 Registration for Onsite visits in The Splendid Hotel

09:00 **Departure from The Splendid Hotel**

11:00 Arrival to the Perucica HPP

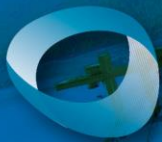
11:00 – 12:00 **Onsite visit to the Perucica HPP**

12:00 – 12:30 Transfer to the restaurant "Kolibe" in Bogetici

12:30 – 13:30 **Lunch**

13:30 – 15:30 Transfer to the Piva HPP

15:30 – 16:30 **Onsite visit to the Piva HPP**



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16:30 – 19:30 Return to The Splendid Hotel

19:30 **Arrival to The Splendid Hotel**

DAY 2: 7 November, Wednesday

08:00 *Morning coffee, registration and networking*

08:50 SESSION 1

PLENARY SESSION AND LEADERS' DEBATE:
**HYDROPOWER DEVELOPMENT IN THE BALKANS: INTERNATIONAL COOPERATION.
PLANS OF POLICYMAKERS, INITIATORS AND INVESTORS**

08:50 *Summit Opening Ceremony*

Welcome Speech by Maria Zubkova, Deputy Executive Director, Vostock Capital

Moderator:

Christopher Millward, Head for Europe, Middle East and North Africa, MIGA

09:00 – 09:20 **Andrei-Petrisor Maioreanu, Secretary of State, Ministry of Energy of Romania**

Hydropower in the Energy Strategy of Romania 2018 - 2030 with 2050 perspective

09:20 – 09:40 **Bogdan-Nicolae Badea, President of Management Board, HIDROELECTRICA**

Hidroelectrica's most significant investment projects, future plans and perspectives for development

09:40 – 10:00 **Gordan Milinić, Director, FIPA**

Bosnia and Herzegovina Hydro Energy Potentials and Investment Opportunities

10:00 – 10:20 **Ivan Trpeski, Director for Development and Investment, ELEM**

New hydro development possibilities in the Republic of Macedonia

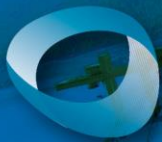
10:20 – 10:40 **Marko Krejči, Director, Saxum**

Regional strategy for sustainable Hydropower in the Western Balkans

10:40 Q&A

10:50 *Coffee and networking break*

11:30 SESSION 2



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PROJECTS FOR THE CONSTRUCTION AND RENOVATION OF HYDROPOWER FACILITIES IN THE BALKAN STATES

Moderator:

Ana Cmiljanić, Head of controlling, planning and reporting, **Investment and development fund of Montenegro**

11:30 – 11:45 **Željko Ratković**, Director of Department for Investments, **MH ERS**

Investments into energy and water management are essential for economic development of the Republic of SRPSKA

11:45 – 12:00 **Danilo Barjaktarovic**, Senior Adviser in Directorate for Energy, **Ministry of Economy of Montenegro**

Energy Sector of Montenegro

12:00 – 12:15 **Danilo Moresco**, Managing Director, **ABB Power Generation & Water in Southern Europe**

Repowering Montenegro's largest hydroelectric plant with digital solutions

12:15 – 12:30 **Ioannis Argyrakis**, Director of Hydroelectric generation department, **PPC S.A.**

Hydroelectric power plants in operation of PPC S.A. in Greece

12:30 – 12:45 **Ioannis Michailidis**, Senior technical advisor, **PPC S.A.**

Hydro projects under construction & recently commissioned of PPC SA in Greece

12:45 – 13:00 **Ilir Shala**, CEO, **KOSTT**

A perspective why to invest in Kosovo Control Area

13:00 Q&A

13:15 LUNCH AND NETWORKING

14:00 SESSION 3

SUCCESSFUL HPP ENGINEERING, CONSTRUCTION AND REEQUIPMENT

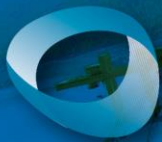
Moderator:

Martyn Osborn, WBIF-IPF7 Team Leader, **Western Balkans Investment Framework**

14:00 – 14:15 **Dejan Lenart**, Deputy Sales Director, **Litostroj Power**

Remarkable Refurbishments by Litostroj Power

14:15 – 14:30 **Roman Vorobyev**, Business Development Manager, **Lahmeyer International**



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Experience of Lahmeyer International/Tractebel Engie in the field of hydropower in Balkan Region – case study “Rehabilitation of Perucica HPP” in Montenegro

14:30 – 14:45 **Giovanna Lilliu**, Business Development Deputy Manager, **CARPI TECH**

Geomembrane sealing systems: safe, durable and cost-effective solution for rehabilitation and new construction of hydraulic structures

14:45 – 15:00 **Gerhard Ihle**, Technical Director, **Naturspeicher**

New ways of HPP renovation. The water battery as innovation driver for modern hydro power applications

15:00 – 15:15 **Deni Porej**, Director, **WWF Adria**

Identification and implementation of environmental mitigation measures for small hydropower development

15:15 Q&A

15:30 Coffee and networking break

16:00 SESSION 4

O&M: SUSTAINABLE DEVELOPMENT AND OPERATIONAL EXCELLENCE

Moderator:

Dietmar Reiner, Managing Director Energji Ashta, **VERBUND Hydro Power**

16:00 – 16:15 **Robert Sonoga**, Associate Director, **Aímsír**

Improvements in Operations, Monitoring and Maintenance to improve profit margins

16:15 – 16:30 **Criscia Vecchiato**, Sales Manager, Global Operation & Maintenance, **ANDRITZ HYDRO**

New opportunities for Operation and Maintenance

16:30 – 16:50 **Bernardo Mendes**, Product Manager Europe, **Emerson**

Plant Automation... You can do better than that!

16:50 – 17:05 **Damir Srdanovic**, Local Unit Manager, **ABB Power & Water Systems in Croatia**

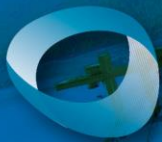
Digital solutions for enhanced operations and efficiency of hydro power plants

17:05 – 17:20 **Dietmar Reiner**, Managing Director Energji Ashta, **VERBUND Hydro Power**

ASHTA HPP: lessons learned of the operation and maintenance phase of a hydro power plant featuring the innovative matrix turbine technology

17:20 Q&A

17:30 The end of the business programme



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18:00 Transfer from the Splendid Hotel to the Gala Dinned Venue*

18:30 GALA DINNER FOR ALL CONFERENCE PARTICIPANTS

***THE GALA DINNER VENUE - "VISTA VIDIKOVAC" RESTAURANT**

DAY 3: 8 November, Thursday

08:30 Morning coffee and networking

09:30 SESSION 5

UNLOCKING INVESTMENT IN THE REGIONAL HYDROPOWER INDUSTRY. PROJECT FUNDING

Moderator:

Jaap Sprey, Head of the Office, **EBRD**

09:30 – 09:45 **Rikardur Rikardsson**, Managing Director, **Landsvirkjun Power**

Balkans HPP investment opportunities and threats for Developer. Investor perspective

09:45 – 10:00 **Kieron Hanson**, Director, **Aímsír**

Conditions to meet Investors' Goals – Financial and Environmental

10:00 – 10:15 **Christopher Millward**, Head for Europe, Middle East and North Africa, **MIGA**

Helping investors mitigate political risks

10:15 – 10:30 **Zoran Stanic**, Senior Engineer, **European Investment Bank**

EIB's Draft Environmental, Climate and Social Guideline for investments in Hydropower Development

10:30 – 10:45 **Selma Demirovic**, Banking Analyst, **EBRD**

Renewables: Core of the EBRD's GET initiative –with the focus on hydropower

10:45 Q&A

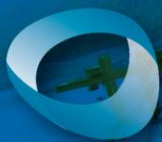
11:00 Coffee and networking break

11:30 SESSION 6

CONSTRUCTION AND RENOVATION PROJECTS OF HYDROPOWER FACILITIES IN THE BALKAN

Moderator:

Amir Kazić, Senior Advisor - Regional Representative, **FIPA**



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11:30 – 11:45 **Nehri Emrula**, Director, **Energy Agency of Republic of Macedonia**

Hydropower potential for SHPP investment in Republic of Macedonia

11:45 – 12:00 **Amir Kazić**, Senior Advisor - Regional Representative, **FIPA**

Bosnia and Herzegovina Attractive HPP Investment Projects. Implementation Procedures and Permitting Regime

12:00 – 12:15 **Lorenc Gordani**, Law Adviser in Energy Policy, Regulation & Infrastructure, **ACERC**

Albania hydroelectric sector towards large and sustainable plants development

12:15 – 12:30 **Besfort Kosova**, Researcher, **BALKAN GREEN FOUNDATION**

Hydropower in Kosovo – The real potential

12:30 – 12:45 **Gheorghe Stirbu**, Asset Management Director, **Transelectrica**

Transelectrica's investment plan related to ENTSO-E

12:45 – 13:00 **Jovan Gosovic**, Head of financial planning, control and investor relations,

Montenegrin Transmission System Operator

Trans-Balkan corridor project – grid section Montenegro

13:00 Q&A

13:15 LUNCH AND NETWORKING

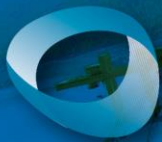
14:30 SESSION 7

DISCUSSION. JOINT EFFORTS OF STAKEHOLDERS TO SUCCEED IN THE PROJECTS

- Basic procedures of hydro project development from concept to approval. How to facilitate project permitting
- How to ensure HPP project implementation and profitability under low energy prices in the Balkan region
- Ensuring project bankability: ways to avoid risks and to reduce the gap between project development activities and financial closing
- Succeeding in project implementation: communication and coordination, threat assessment and consideration of new technologies
- Transparency in stakeholders' coordination through consistent and ongoing communication between operators, contractors, vendors, suppliers and the public

Moderator:

Marko Krejči, Director, **Saxum**



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Ivan Trpeski, Director for Development and Investment, **ELEM**

Vorobyev Roman, Business Development Manager, **Lahmeyer International**

Gerhard Ihle, Technical Director, **Naturspeicher**

Esa Suoninen, Manager hydro growth, **Fortum**

16:00 Coffee and networking break

16:30 SESSION 8

ROUNDTABLE. AUTOMATION AND DIGITAL TECHNOLOGIES TOWARDS HPP EFFICIENCY AND SAFETY

- Automation as an HPP performance enhancer and maintenance optimizing
- Process automation to mitigate personnel and asset risk caused by human-centered risk factors
- How digital systems of plant operation and control extend the life of power generation facilities and reduce downtime
- Gaining profits through co-designed software and hardware on-line monitoring
- HPP automated cybersecurity to reduces the volume and faster prevention of previously unknown threats

Moderator:

Bernardo Mendes, Product Manager Europe, **Emerson**

Panellists:

Blagojche Trpovski, Manager for electricity generation, **ELEM**

KEY PRACTICE: possibilities to extend the standard existing control systems

Ana Grbović, Specialist engineer for control system monitoring, **HPP Perucica**

KEY PRACTICE: cyber security of the HPP control systems

17:30 Closing Ceremony and the Prize draw (the draw will be held among the delegates who have previously filled out the questionnaire and present in the hall)

18:00 Summit Conclusions