

Renewable energy and energy efficiency projects in Montenegro

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**Inter-regional Energy Efficiency and
Renewable Energy Projects and Policies**

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Montconsult – about us

- ▶ Micro consulting company – since 2005
Energy technical consulting since 2013
- ▶ Main goal: Development and implementation of renewable energy and energy efficiency projects
- ▶ Collaboration with public, private and NGO sector on:
 - Preparation of strategic documents
 - Planning and analysis of projects – feasibility studies
 - Project development
 - Implementation and operation of projects
 - Business development and research
- ▶ People assets: International trained staff with experience in academic, public and private sectors



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Montenegro – RE and EE sector

- ▶ Started accession negotiations with EU
- ▶ Set RES goal to 33 % by 2020 and EE goal to 9 % by 2018
- ▶ RE potential: solar, hydro, biomass and wind
- ▶ RE realized: sHPPs, ST and PV
- ▶ EE potential: construction, systems, transfer and management
- ▶ EE realized:
 - Improved generation (HPP, TPP)
 - Advanced metering infrastructure and 60 % smart meters (DSO)
 - Improved building envelopes and heating systems (WB, kfw, local gov't)





RE and EE projects

- ▶ Project “Energy efficient municipality Bijelo Polje”
 - EnMS – Implemented through Ministry for several municipalities
 - District heating on biomass – Analyzed through EBRD project for several municipalities



Other projects (2013 – Today)

- ▶ Local energy plans for 3 municipalities
- ▶ Analysis for PV plant on waste disposal facilities for public tender
- ▶ Planning and development of energy management and distributed generation systems for various size companies
- ▶ Improvement of RE procedures and plans with NGOs



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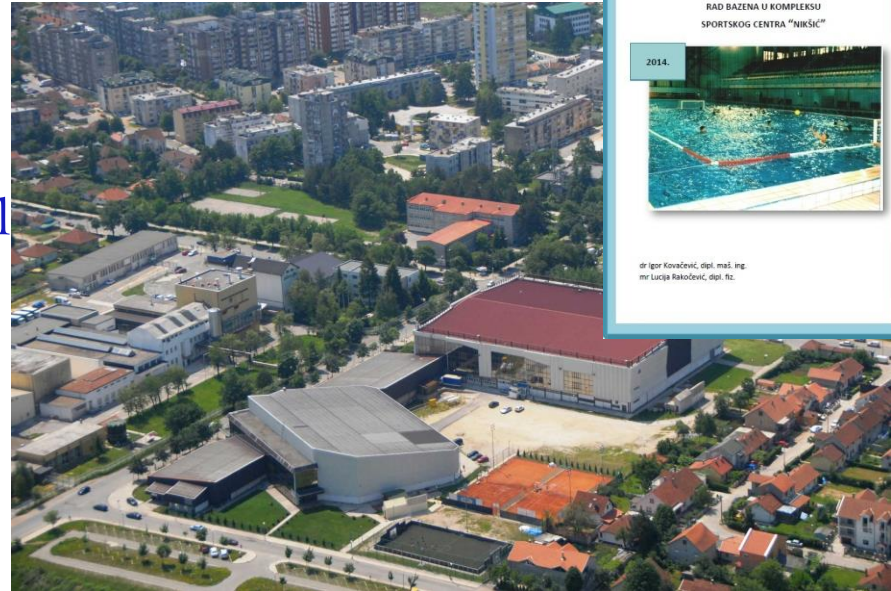
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Sustainable energy sports facility

Project example: Sustainable energy indoor swimming pool facility Sport center Niksic

- ▶ Building constructed during 80s with existing system
- ▶ Currently not sustainable operation
- ▶ Reconstruction solution:
 - EE measures for building envelope
 - Geothermal + aerothermal heat pumps for heating
 - Underground water for water supply
 - Possible PV for electricity consumption



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Thank you!

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