TIRANA ENERGY FORUM

Enhancing EE in the school buildings by integrating Solar PV systems

30 MAJ, 2023

Friends of Korca engagements

- Participation in the consultation of NECP;
- Promoting Solar energy self-production
- Improving the net-metering policies;
- Advocating for the RES law;

A Partnership for the Project
“SOLAR SCHOOLS FOR ENERGY AND GREEN TRANSITION”

The overall objective of this project is to foster the links and cooperation among the students, high schools and CSOs in Western Balkans, aiming to provide clean solar energy solutions and education content to fight climate change and to contribute for energy and green transition.

CSCD

Centre for Sustainable Development
Centar za održivi razvoj

diha Deutsche Industrie- und Handelsvereinigung in Albanien

UK FAN S. NOLI

WBF Western Balkans Fund
Supporting Common Projects

SOS MALTA
SOLIDARITY OVERSEAS SERVICE

ENVIRONMENT IMPROVEMENT CENTRE

SOME PRELIMINARY GENERAL FINDINGS

Albania, Montenegro and Serbia are in the very beginning of the process to integrate solar PV systems into their school buildings. There are only few private schools in those countries that have such systems.

North Macedonia is more advanced with around 80 schools in process or already equipped with solar PV systems, financed from EU and Council of Europe Development Bank.

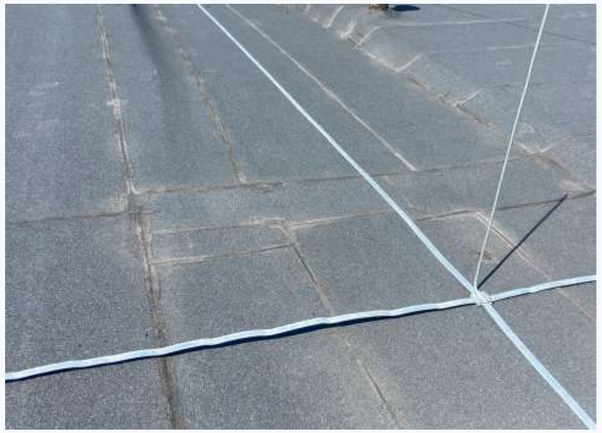
PILOT PROJECTS IN ALBANIA

PILOT SCHOOLS IN KORCA/CAPACITY BUILDING MEETINGS

ADVANTAGES OF INTEGRATED SOLAR PV SYSTEMS

- Energy Efficiency: Solar PV contributes to reducing energy consumption; 3–5% of a total EE innovation project;
- Cost Savings: financial benefits, including reduced utility bills and available incentives; Environmental impact: reduction in carbon footprint and other environmental benefits;
- Reduction of the debt of the Albanian municipalities to OSHEE. Quick return of investment 3,5–4 years;
- Rooftop solar empowers citizens and requires no additional land use.

EE RENOVATION CASE OF HIGH SCHOOL THEMISTOKLI GERMENJI



EU4SCHOOLS PROGRAM

1.To support repairing and reconstruction, including the basic furnishing and equipping of education facilities in municipalities affected by the earthquake according to the EU standards;

2.To provide increased transparency, accountability and inclusiveness to the recovery process;

3.To improve capacities of central and local governments in accelerating the recovery processes according to the highest international standards.

75 million Euro Program

64, schools and kindergarten

EE RENOVATION CASE OF HIGH SCHOOL “ASIM VOKSHI”

THE ENERGY CHALLENGES AHEAD

- Albania Commitment on RES for 2030, 54,4%
- Albania net exporter of energy in 2030
- Renewable Energy Sources new production from energy companies during:

2022: 9,43 Mw (hydro only) 14,079 Mwh (0,2% of national production)

2023: 26 Mw (7 Hydro +18PV) 34,799 Mwh (0,3% of national production)

Self-producers capacity:

June 2023 140 Mw

June 2024 160 Mw

The contribution of all the actors of the society is needed to achieve the above mentioned objectives

EU SOLAR ROOFTOP INITIATIVE

The installation of rooftop solar energy will be compulsory for

- all new public and commercial buildings by 2026,
- all existing public and commercial buildings by 2027,
- and all new residential buildings by 2029.

- EU Rooftop Solar Standard alone could solar power 56 million homes.

European Commission

CONCLUSION/RECOMMENDATIONS

As actors in this country we need:

To finalize the regulations and administrative acts such as the price of solar energy injected into the grid by self-producers;

To inform the public about the start of the energy net billing on yearly base. Private schools will be interested to invest on solar PV

To introduce the policy/guidelines/targets for the integration of PV systems into the renovation/insulation building projects following EU Rooftop Initiative;

To prepare a national plan for investment in the public schools on EE with PV systems integrated;

To communicate and work with the donor agencies for supporting such a program;

To organize an awareness campaign, targeting the local governments to invest on PV systems for their schools;

THANK YOU
FOR YOUR ATTENTION

Gjergji Gjinko

GET IN TOUCH

gjergjigjinko@gmail.com