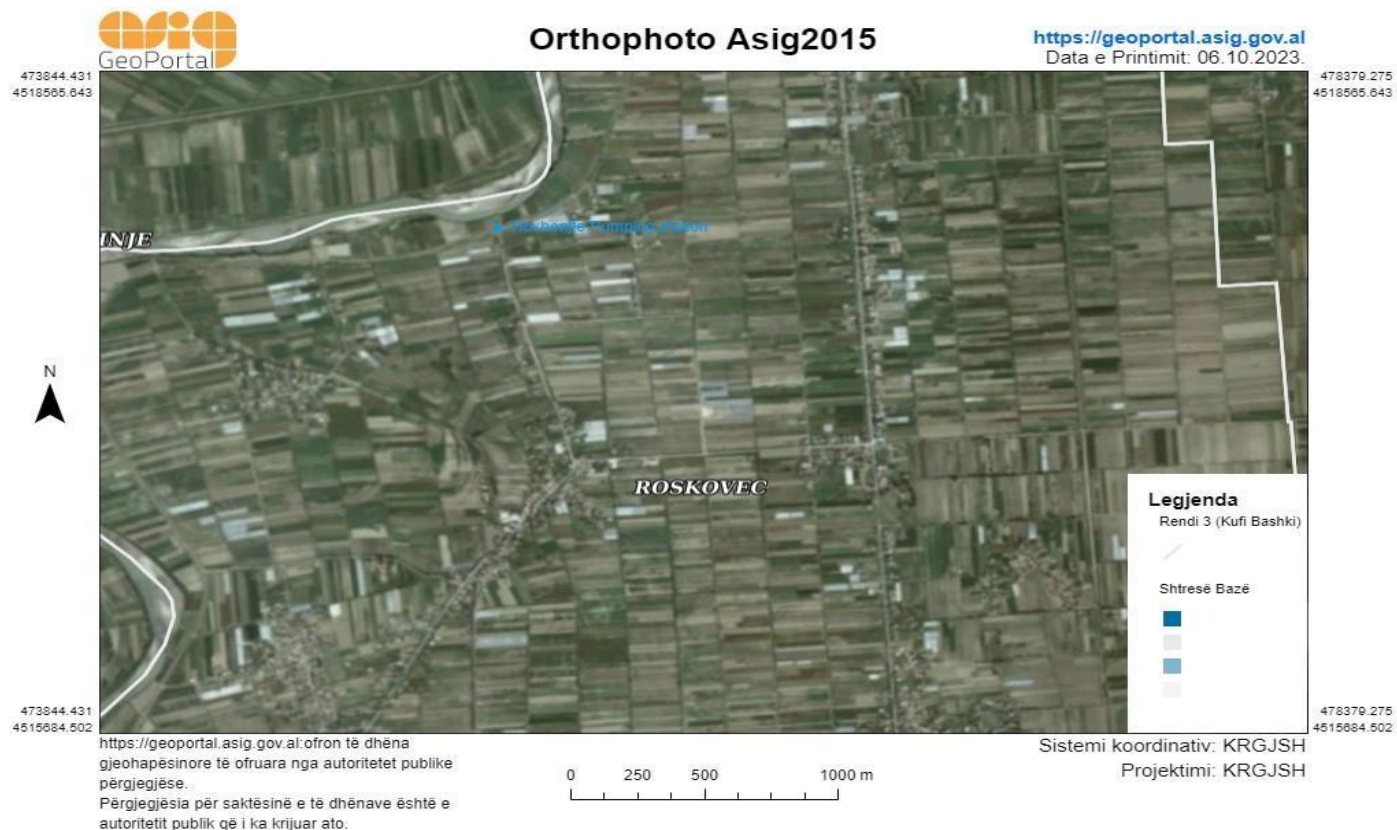


“Photovoltaic system for selfconsumption at Hoxhenjte pumping station, Suk1 Roskovec”

ROSKOVECI



Finding new alternatives to meet needs and save energy consumption in Roskovec Municipality, Albania



1. Challenges

- The first challenge was the selection of the pumping station as there are several such, after a study by experts in the field it was decided for the Suk1 Hoxhenjte" station as it covers a large area of 680 700hectares in full capacity and the existing infrastructure was optimal
- The second challenge was informing interest groups, but since we are in the age of technology, it was easily embraced. Public hearings were held informing the residents about the importance and mine that this investment brings us.

Affected Groups:

- The fact that it was the first project in such fields had its own challenges
- The training of the staff, the project design and all the practices followed were for the first time in the area

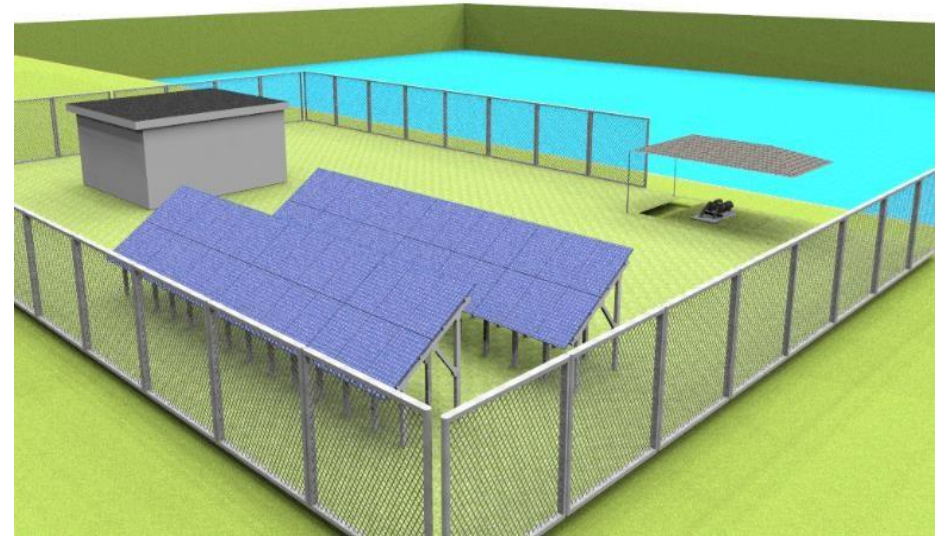
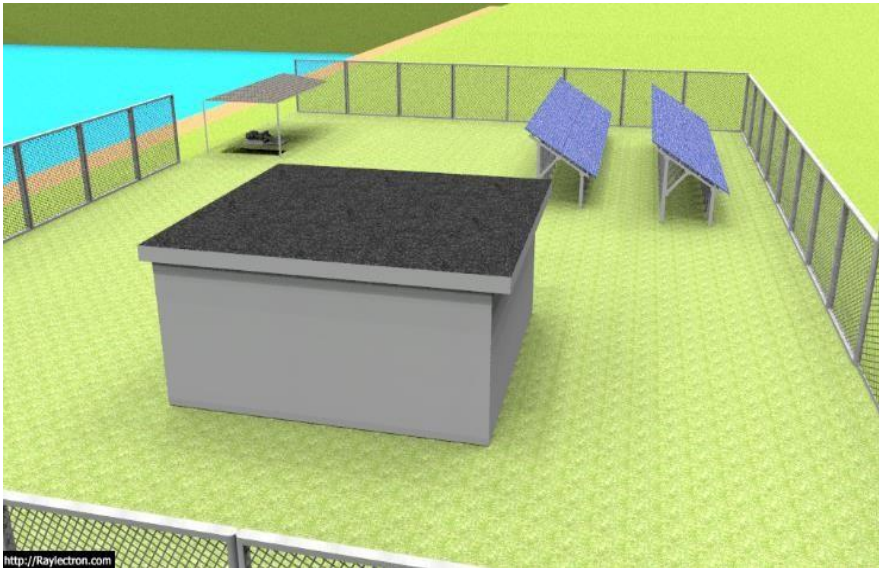
2. Institutional Setting

- The legal framework in the Republic of Albania regarding the relationship between the local administration units and the energy distributor still needs to be processed as it is new in the entire Republic.
- The municipality of Roskovec, being an institution that has the legal obligation to resolve and take measures for the production of alternative energy, is in the first steps of drafting the local plan for renewable energy.

3. Approach

- The drafting of the local energy plan of Roskovec municipality based on the national energy plan was an important step for us, which is in the final process, and we will have it soon.
- This project was the first regarding the supply of renewable energy for a pumping station which will bring 70% savings. The investment will pay off in no more than 5 years according to the experts' study.
- In addition to this project, the Roskovec municipality has successfully completed the supply of renewable energy for Kindergarten No:01 in the city of Roskovec , which is giving results in energy saving.
- Part of the project was also social inclusion, awareness campaigns have been programmed in the area where the project will be implemented, but also in the schools of the area with topics about renewable energy and the importance of saving energy.

3. Approach



4. Outputs

- We are currently in the process of realizing this project but having the vision to embrace new technologies and their adaptation according to the needs of the community, the results will soon be tangible.
- Encouraging young people and women to study such fields, the municipality's support of private initiatives or assistance in their implementation is a priority of the Roskovec municipality.
- The involvement of the community in other programs about renewable energy is one of the main objectives of the municipality of Roskovec.
- Being that in the area of Roskovec there are almost 300 sunny days a year and the region with the most sun in all of Albania has more opportunities for the best results and to ensure sustainability.
- In the area, about 35% of residents use solar energy for heating sanitary water, this brings an easy access for them to this technology, showing interest even in larger investments.



5. Lessons

- An emerging good practice should demonstrate consistent, successful results and measurable impact.
- The inclusion of women in every direction brings improvement and stability in society

Open Questions:

- What should we do to speed up the process?
- How should we improve practices in future projects?
- How to improve so that this technology also works for marginalized groups?

6. Transfer

- Necessary preconditions are a good study of the situation, a well-designed project and the courage to realize it and pass it on to the next projects
- First step would be having a good detailed local plan for renewable energy is the first step.
- The inclusion and encouragement of women in every aspect of such practices are important