Solar Energy Project in the Balkans

EWB Greece &
EWB Kosovo &
EWB Macedonia &
EWB Cyprus

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Solar Energy Project in the Balkans

1. Introduction

- Solar irradiation in the Balkans > 300 days/year
- Joint project of EWB Greece, Kosovo, Macedonia and Cyprus:
  - solar energy for primary school
  - street illumination
  - irrigation with solar energy submersible pumps

2. Initiatives

- PV Solar Energy for the PS Dobre Jovanoski Prilep
- Street illumination with solar panels for the part of the suburb Trizla in Prilep

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Site visit Prilep – 04th December 2009


Prilep

Assessment of the school
Technical documentation

Meetings in the Municipality,
PS Dobre Jovanoski and Trizla


EWB Team in Trizla

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Follow up site visit Prilep – 27th January 2010

Collection of the outstanding data for the school and identify potential streets for illumination

Findings:
sufficient area for the collectors
no urbanized streets for illumination

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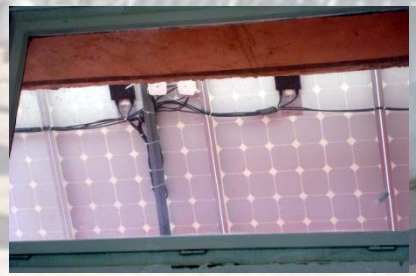
Site visit Kochani – 22nd January 2010

1. technical solution for two circular intersections in the city
2. solar energy for the branch of the primary school Cyril and Methodius in Podlog Village



Successfully implemented energy efficiency project NGO Equal to All with PV solar energy in 2009

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Meetings with members of EWB Kosovo – 05th / 27th February 2010

Making familiar with the status of the project in Prilep.
Using the experience of EWB Palestine for the Solar Energy Projects implemented there

Initiative for organizing workshop / training on solar energy for our members end of March/April 2010
Next regional meeting in the Balkans

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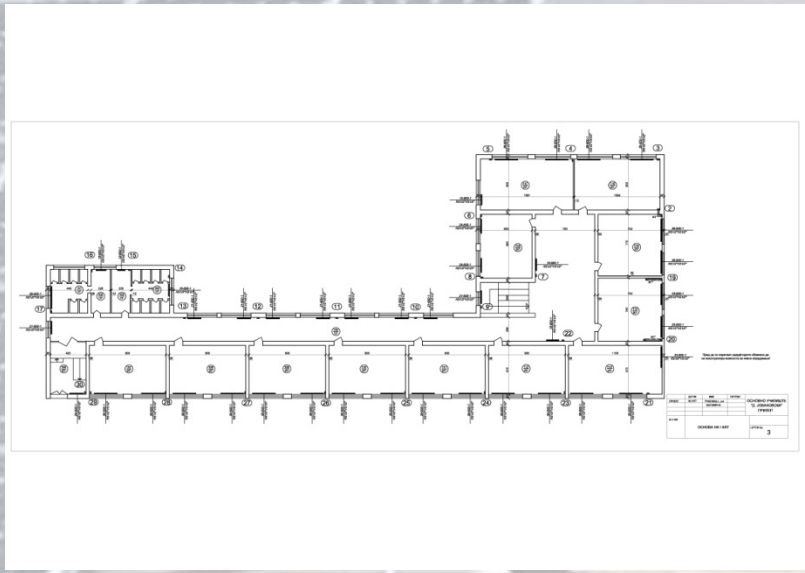
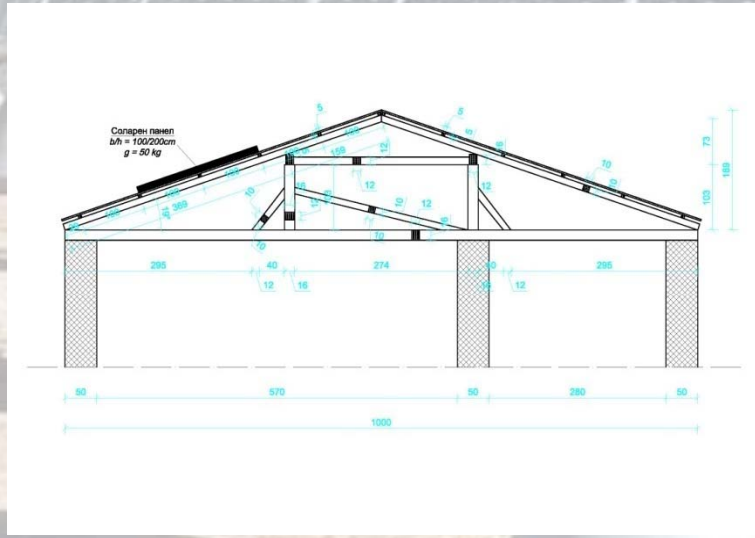
Status of the technical documentation for the PS Dobre Jovanoski



Prepared the drawings of the school in AutoCAD
Analyzed the bearing capacity of the roof with wooden under construction and steel metal sheets



Estimated the power on 10 kW
Revision of the technical solution
Approximate costs 60-70,000 $
Funds: US Embassy / UNDP GEF (part)

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Next steps of the project

- Prepare preliminary design with cost estimate
- Send to EWB-Kosovo, -Greece and –Cyprus the project proposal with the technical documentation
- Organize at the Civil Engineering Faculty in Skopje, a workshop/training for solar energy with participation of our EWB colleagues from EWB-Kosovo, -Greece and –Cyprus and leading experts and Balkans companies in this field
- Invite representatives from EWB-Kosovo, -Greece and –Cyprus in Macedonia to visit the implementation site
- Prepare final application package for the two projects with the suggestions of all EWB participants
- Apply for funds at several donor agencies
- Implementation of the projects
- Monitoring and evaluation of the projects
- Multiplying similar projects in other cities in Macedonia and Kosovo

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THANK YOU FOR YOUR ATTENTION