

STRATEGIC PROJECT

Promoting and implementing innovative solar technologies in public buildings and industrial facilities



(Photo: Omar Sanadiki © EU/ENPI Info Centre)

MED-SOLAR

Machrek Energy Development-Solar



Project
funded by the
EUROPEAN UNION



REGIONE AUTONOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA

The project in brief

The countries of the Mediterranean area face the same specific energy reality: the increase in the energy price and the weakness of the electrical grid (impossibility of having increase in the power supply, interruptions, etc.), which reduces the security of supply in critical facilities such as hospital and schools as well as the proper development of the small and medium size industries. These problems are common to the target countries of **MED-Solar** project (Lebanon, Jordan and Palestine) where all the population is actually connected to the grid, but with scarce quality and regular interruptions and cuts-off.

Instead of using exclusively polluting and expensive fuel generators against electricity interruption, the project proposes to provide the generators with a solar photovoltaic system for energy backup. With the achievement of MED-Solar the energy situation in the three target countries will improve by reducing energy costs, decreasing the dependence on imported fuel and improving the security of supply through the use of clean energy resources.

Beneficiary

Trama TecnoAmbiental S.L. (Spain, Cataluña)

Partnership

1. Polytechnical University of Catalonia (Spain, Cataluña)
2. Solartys (Spain, Cataluña)
3. Commissariat à l'énergie atomique et aux énergies alternatives (France, Rhône-Alpes)
4. Energy Research Center, An-Najah University (Palestine)
5. United Nations Development Programme Lebanon (Lebanon)
6. National Energy Research Center (Jordan, Amman)

Specific objective

To promote and implement innovative technologies and know-how transfer in the field of solar energy, especially photovoltaic energy

Expected results

- National energy grids and their weakness characterized in Jordan, Lebanon and Palestine
- Set of recommendations defined to improve legal frameworks and energy tariff schemes
- Power from solar energy increased in 3 public buildings and 1 industry (between 500-800 m² of photovoltaic modules installed)
- Pilot plants tested, validated and monitored

Main activities

- Survey of the national regulations and legal frameworks related to photovoltaic energy
- Identification of financing mechanisms allowing for the development of photovoltaic projects
- Research and development on innovative photovoltaic technologies
- Drafting of a socio-economic impact study to demonstrate the cost-effectiveness and impact of the pilot plants
- Creation of a cross-border network engaging several public authorities, universities, SMEs, engineers, etc.

Target groups

- Beneficiaries and users of the pilot plants
- Companies in charge of the supply and installation of the pilot plants

Final beneficiaries

- SMEs
- Public facilities (hospitals, schools, administrative buildings)
- Local companies dealing with solar energy (installers, designers, retailers)
- Electricity companies or agencies

Duration

30 months (January 2013 - June 2015)

Budget

- Total budget: € 3.017.615
- Programme contribution: € 2.656.771 (90%)
- Project co-financing: € 360.844 (10%)

Contact person

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