

Combined solar power and desalination plants: technico-economic potential in Mediterranean partner countries

Start date:2008-06-01

End date:2010-05-31

Project Acronym:MED-CSD

Project status:Execution

Coordinator

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Description

Objective: The growing economies in the southern and eastern Mediterranean area increasingly need affordable and efficient energy and water for sustainable development. Hybrid solar/fossil thermal power plants with combined sea water desalination based on concentrating solar power technology (CSP) offer a unique, cost efficient solution to the growing energy and water demand. Hybrid solar/fossil operation offers a smooth transition from the fossil fuel to a solar economy and provides firm power capacity to the grid with up to 8000 full load operating hours per year.

The main objective of the MED CSD project is the assessment of the technico-economic potential of CSP for electricity and desalination in Mediterranean region, particularly the Mediterranean Partners Countries (MPCs) (WP3) based on a technology review and considering the results of past and on-going studies and projects (Aqaba project as a reference) (WP1) and attained through the realization of feasibility studies in Mediterranean.

Achievements:

General information:

Project Details

Start date:2008-06-01

End date:2010-05-31

Duration:24 months

PJ_REF:213824

Project cost:999960 EURO

Project Funding:999960 EURO

Programme Acronym: [FP7-ENERGY](#)

Programme type:Seventh Framework Programme

Subprogramme Area:Using CSP for water desalination

Contract type:Support actions

URL:

Subject index:Renewable Sources of Energy, Water resources and management

Other Indexes:sustainable development,desalination,renewable energy,CSP,Mediterranean partner countries,technology and know how transfer,euro-mediterranean partnership

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