

Solar park 2,5 MW

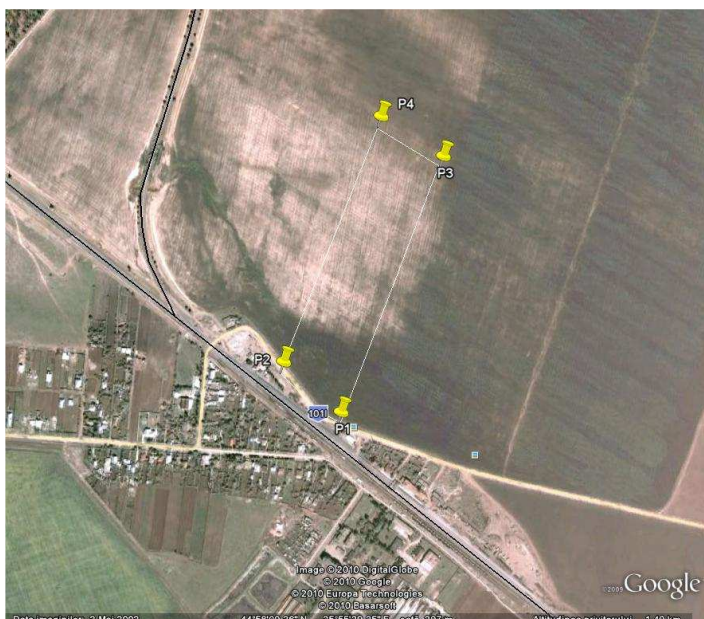
Region Prahova, Romania

Investment Proposal



Site Location:

The project site is located about 7km northwest of Ploiesti and about 70km northwest of Bucharest in the Walachia Plain. The terrain is plain; height level on the southern part is 208m above sea level and 212m asl on the northern part. The slope is approx. 0,4°. The surrounding properties are used for agricultural purpose and the southern part border is a paved county road.



Land ownership:

The developer got in exclusive concession the use of the site from a private person that owns the land. The concession is noted in the cadastral registry in favour of the special purpose company. The concession tariff is 30.000€/year.

The property is 7,5ha big, of which 5,8ha can be used for the photovoltaic solar park, the rest represents safety area for a railway bordering the land. There are no buildings, trees or other shadowing elements in the immediate neighbourhood.

The climate of the area is mostly continental, with cold winters and hot summers.

Capacity

Grid Approved - 2,5 Megawatt (MW)

Permit Status

Grid connection

ATR - Grid connection permit available from FDEE Electrica Distributie Muntenia Nord for 2,5MW installed capacity with connection to the grid in a 20kV line, 20m distance from the property

Urbanism certificate – available A

Police approval – available

Conpet approval – available

Railway authority approval – available

Environmental permit – available

Authorities engineering - available

Building permit – available

Feasibility study, planning and production estimate

A feasibility study and authorities engineering concerning the selected modules (STC), inverters, electrical cabling, etc. has been elaborated by Romanian engineers. The installed capacity for the solar park will be 2,41MWp (STC) based on 280Wp modules.

The annual production estimate for the solar park is 2.891.698kW (estimated with HOMER) / 2.930.000kW (estimated with PVGIS).

There are no restrictions from the building permitting authorities or from the non-refundable funds approval authority in changing the technical solution.

Special Purpose Company

Existing – all the rights for the park, grid connection permit, building permit, etc., will be sold within a special purpose company, owned by the developer.