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The development of a new more efficient grid connected PV module

Fact Sheet

Project Information

OPTISUN

Grant agreement ID: 513212

Project closed

Start date

1 February 2005

End date

31 January 2007



Funded under

Horizontal research activities involving SMEs:
Specific activities covering wider field of research
under the Focusing and Integrating Community
Research programme 2002-2006.

Total cost

€ 1 189 347,00

EU contribution

€ 616 185,00

Coordinated by
ALLSUN A/S
 **Denmark**

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generation of scientists
and building an inclusive,
innovative society for the
future**

Objective

Industrial Objectives: The principle technological objective of this project is to develop a new more efficient and easy to install grid connected PV module with subdivided solar cells, cell integrated micro inverters and backlight module to increase the efficiency of PV modules by 8-10%. This project will target the fast growing market for grid connected PV systems. The competitiveness of the EU PV industry is a major issue in this rapidly increasing market, as the European PV industry is currently lagging behind the US and Japan, which exports PV components to the EU.

Also competition will become increasingly intense, as new players from low labor cost countries such as China and Taiwan are now entering the market PV systems. The proposed project will increase the competitiveness of the 6,000 SMEs in the European PV sector by providing them with a technology that will significantly improve the efficiency and cost effectiveness of PV modules.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [materials engineering](#) > [coating and films](#)

[natural sciences](#) > [physical sciences](#) > [optics](#) > [laser physics](#)

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > [renewable energy](#) > [solar energy](#) > [photovoltaic](#)



Programme(s)

[FP6-SME - Horizontal research activities involving SMEs: Specific activities covering wider field of research under the Focusing and Integrating Community Research programme 2002-2006.](#)

Topic(s)

[SME - Horizontal research activities involving SMEs](#)

Call for proposal

FP6-2002-SME-1

[See other projects for this call](#)

Funding Scheme

Data not available

Coordinator



ALLSUN A/S

EU contribution

No data

Total cost

No data

Address

Brundtlandparken 2

TOFLUND

 **Denmark** 

Links

[Contact the organisation](#)  [Website](#) 

[HORIZON collaboration network](#) 

Participants (7)



IBERSOLAR ENERGIA S.A

 Spain

EU contribution

No data

Address

Port Ginesta, Local, 516

CASTELLDEFELS (BARCELONA) 

Links

[Contact the organisation](#)  [Website](#) 

[HORIZON collaboration network](#) 

Total cost

No data



NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK - TNO

 Netherlands

EU contribution

No data

Address

Schoemakerstraat 97

DELFT 

Total cost

No data



PERA INNOVATION LIMITED

 United Kingdom

EU contribution

No data

Address

Innovation Park, Nottingham Road

MELTON MOWBRAY, LEICESTERSHIRE 

Links

[Contact the organisation](#)  [Website](#) 

[HORIZON collaboration network](#) 

Total cost

No data



PLASTAS APS

Denmark

EU contribution

No data

Address

Brundtlanparken 2
TOFTLUND

Links

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[HORIZON collaboration network](#)

Total cost

No data



SEMELAB PLC

United Kingdom

EU contribution

No data

Address

Coventry Road
LUTTERWORTH

Total cost

No data



SOLARNOVA PRODUKTIONS UND VERTRIEBSGESELLSCHAFT MBH

Germany

EU contribution

No data

Address

Am Marienhof 6
WEDEL

Links

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Total cost

No data



SOLARTEC S.R.O.

 Czechia

EU contribution

No data

Address

Televizni 2618

ROZNOV POD RADHOSTEM 

Links

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Total cost

No data

Last update: 13 November 2008

Permalink: <https://cordis.europa.eu/project/id/513212>

European Union, 2025