

FRAUNHOFER CENTER
FOR SILICON PHOTOVOLTAICS CSP

INSTITUT DE RECHERCHE
EN ENERGIE SOLAIRE
ET EN ENERGIES NOUVELLES



1 Building with laboratories of
Green Energy Park (GEP) in Ben
Guérir (Morocco).

2 GEP - International Plattform
for Research for renewable
energies.

TEST OF PV MODULES AND SYSTEMS IN MOROCCO

COMPETENCIES AND SERVICE

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- Successful cooperation project between Fraunhofer CSP (Halle, Germany) and IRESEN (Rabat, Morocco) to set up PV outdoor test platforms for modules and systems in the »Green Energy Park« – a new research and training platform in renewable energies in Ben Guérir
- Joint projects and research activities in the field of reliability and service life analyses of photovoltaic modules to investigate an optimized module design with respect to desert applications
- Continuously measured IV curves, module temperature & meteorological parameters at both locations (moderate and desert conditions)
- Common data management and analysis
- Comparison of performance ratio and specific energy yield on module and system level for different module technologies
- Evaluation of different combinations of material in PV modules and their degradation behavior