Israel NewTech
National energy & water program

The Israel Export & International Cooperation Institute

SolarBead

Category: Solar Energy.
Sub Category: Electric Energy Conversion.

Company profile

SolarBead has been founded after thorough market and requirement research, following a top level design.

SolarBead develops its solutions and advanced system architecture for the PV Solar Systems application which expected to cover huge market and large volume.

Year of establishment: 2010

No. of employees: 5

Background of the company

SolarBead is a star up company, which develops miniature electric conversion devices for Photo Voltaic (PV) panels.

The development projects are steered and financially driven by the Israeli Ministry of Energy and won several financial support tenders already.

The company has come with a unique (patent pending) software/hardware solution that significantly improve power harvesting from the individual PV panel.

The unique solution enables low cost products that improve return on investment and/or reduce power production cost.

SolarBead was established by experienced engineers from the industry and the academic world.

Examples of projects

The company is developing the following products:

InverBead: miniature DC to grid AC inverter

DCBead: miniature DC to DC/HV inverter

Technologies & products

Every PV panel equipped with InverBead will supply its power directly to the grid, thus eliminating the need for central inverter and enabling a precise and efficient power harvesting from the individual panel.

DCBead will allow the use of PV panels in areas limited in size that could not contain the amount of panels required for a central inverter full string.

Objectives / Target companies

SolarBead with its new developments provide solutions which decrease solar system costs, increases its efficiency and provide more capabilities to the system and the user.

SolarBead provides better systems efficiency over other solutions,

SolarBead intend to play a key role as a supplier of advance, efficient and low cost products to the vast, growing PV market.