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ener2i Innovation Voucher Moldova 2014-2015

IV_MD_2015_79 Thin polymer films Fresnel concentrator for boosting the efficiency of photo voltaic cells

Objective

The objective of this project is to design and elaborate a thin polymer films Fresnel concentrator for improving the energy efficiency of photo voltaic cells (PVC). The special optical design of the Fresnel concentrator will allow for an improved harvesting of sunlight. In addition, a reduction of the surface area of PVC implies a considerable reduction of cost compared to conventional PVC. With this innovation the company will develop a new field of activity.

Expected outcomes

- Improving the effectiveness of PVCs;
- Reduction of PVC costs;
- Developing a new product and activity of Moldtehprotectie company.

Company description

Moldtehprotectie SRL was registered in 1999. Its main activity is R&D of holographic protective labels, design of holographic images and import of small parts of security holographic labels for enterprises. The company has its own research and production centre.

Research Partner

“Materials for Photovoltaics and Photonics” laboratory of the Institute of Applied Physics, Academy of Sciences of Moldova

Company contact data

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