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## ener2i Innovation Voucher Moldova 2014-2015

### IV\_MD\_2015\_66 Polymers for energy efficiency improvement

#### Objective

The key objective of this project is improving energy efficiency in the company. This will be done by developing a recording media for holograms based on azopolymer instead of commonly used photoresist. First, the potential for energy efficiency improvement will be evaluated, then the synthesis and development of recording media based on azopolymer will be performed, and finally, the developed media will be used in the production of the company.

#### Expected outcomes

- Energy savings up to 30%;
- Significant reduction of pollution related to the production process;
- Establishing new collaboration with an important research partner.

#### 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

“Accurion“ GmbH, Goettingen, Germany (spin-off of the Max-Planck-Institute for biophysical chemistry); “Materials for Photovoltaics and Photonics” laboratory of the Institute of Applied Physics, Academy of Sciences of Moldova.

#### Company contact data

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