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ener2i Innovation Voucher Moldova 2014-2015

IV_MD_2015_51 Improving the energy efficiency of equipment for biomass processing by briquetting

Objective

Objective of the project is to modernise a hydraulic bio-briquetting press. Options will be investigated how to improve the energy efficiency of the briquetting equipment, and the possibility of briquetting various sources of biomass. The efficiency of electricity consumption per unit of production will be improved, as well as its productivity and the quality of the biofuel. A prototype will be produced, and its technological parameters established. As a result, local equipment competitive at the market will be available.

Expected outcomes

- Production of a more energy efficient bio-briquetting equipment;
- Increasing the performance of the equipment by 50-70%.

Company description

LIVCOM-TRANS SRL company was founded in 2000. The main activity of the company is engineering installations. In the last 5 years the company has focused on the production, installation, and maintenance of technological equipment for processing of biomass into solid fuel (pellets, briquettes).

Research Partner

The Laboratory of Solid Biofuels of the State Agrarian University and Botanical Garden (Institute) of the Academy of Sciences of Moldova; Crop Research Institute and Czech University of Life Sciences, Prague, Czech Republic.

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