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ener2i Innovation Voucher Moldova 2014-2015

IV_MD_2015_57 Building a prototype of an energy saving turbine system

Objective

The objective of the project is to improve energy saving during power generation with the help of an innovative turbine. The scheme of the turbine, the technological process, and the prototype will be developed in cooperation with the research partner. The invention will then be certified, patented, and prepared for introduction to the national and international markets.

Expected outcomes

- expected effectiveness of the return of electricity consumed: 50%- 100%;
- it is expected that the current consumption of one compressor of 11 kW will be decreased, due to the returning of 6kW, to only 5kW.

Company description

"Goliat-Vita" Ltd was founded in 1997. It works on furniture production and has more than 40 collaborators. The company's main products are upholstered furniture, cabinet furniture, kitchen furniture. Since 2012 the company develops another strategic direction, researching, producing and testing of prototypes of heating equipment based on wood, e.g. boilers specialised for burning wood chips and small shredded waste wood; wooden fractions bunkers, etc. IPR for these products is available and production has started.

Research Partner

Prof. Arion Valentin - Faculty of Energetics, Technical University of Moldova

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