



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 609532.



## **ener2i Innovation Voucher Georgia2015**

### **IV\_GE\_2015\_15 “Energy Efficient Construction Material”**

#### **Objective**

The main objective of the project is to produce an EE insulating construction material (high efficient porous slate blocks) using existing innovative high temperature furnace.

#### **Expected outcomes**

- Innovative thermal insulating building material (slate block) will be tested;
- A certain amount of porous high efficient blocks will be produced;
- Building weight constructed with slate blocks will be reduced by 15-20%;
- Heat loss from walls will be reduced by two (in case of the slate blocks);
- Considerable reduction of construction costs;
- Savings of construction/building materials;
- Increase demand for slate blocks in the local market;
- Access to the international market (Possibility of export when production increases);
- Increased income/profit of the company;
- Additional benefit for the scientific team;

#### **Company description**

LTD “ENERGY SYSTEMS” was established in 2013. The company has experience in modern technologies of solid fuel combustion, producing technology of insulating construction materials, effective dust catching filters for the asphalt-concrete plants.

#### **Research Partner**

Georgian Technical University, Research Centre of Thermal Physics;

#### **Company contact data**

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