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ener2i Innovation Voucher Georgia2015 IV_GE_2015_38 “Pellets From Waste Biomass”

Objective

Turning waste production residues i.e. biomass of cones into renewable, carbon-neutral, eco-friendly fuel, pellets. In addition, providing a solution to waste disposal opening new possibilities for large scale production of alternative, carbon-neutral, renewable biofuel in Georgia.

There is a theoretical and practical basis for production of alternative, renewable, eco-friendly biofuel, diversifying energy supply, reducing greenhouse gases emissions, and ultimately contributing to the strengthening of energy independence of Georgia.

Expected outcomes

- Implementation of the project making manufacturing process more energy efficient, waste-free, environmentally friendly and starting the production of biomass pellets;
- Using biomass waste as an alternative, renewable, environmentally friendly fuel;
- Production of alternative, renewable, eco-friendly bio-fuel product which is in steady demand on both domestic and export markets;
- Saving 120 -150 tons of CO₂ emission in the atmosphere by replacing fossil fuel with biomass pellets;

Company description

Goni Ltd. was established in 1996; It has its headquarters in Tbilisi, and regional branches in Borjomi and Ambrolauri municipalities. Goni Ltd. trades with plants and seeds, mainly exporting seeds of coniferous trees to the EU and USA.

Research Partner

Tbilisi State University, Ilia state University, Graz University of Technology – Austria.

Company contact data

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