

Implementation of a Bio-Pellet Production Line

In partnership with WIP Munich,

- Implementation of a bio-pellet production line, using the most up-to-date technology in order to obtain highest efficiency. As start-up, we think of two production lines of 1 tonne per hour being appropriate.
- Increasing the quantity of bio-pellet production step by step to a level where continuous supply of energy such as electricity and heat becomes possible.
- Expanding the production facility to a multi-purpose energy plant by adding fuel turbines and boilers, converting bio-pellets to electric energy and heat.
- Supplying the local market with electric and heat energy, reducing considerably the carbon-monoxide emission in the region.



Technical Description

Tree types: Poplar, Pine, Birch, Alder-wood, Oak and...

Hardwood content: 50%

Softwood content: 50%

Moisture content: About 20%

Raw material source: Sawmill and wood manufacturing factories

Radius over which raw material is available: More than 50 sawmills within a range of 50 kilometres, offering raw material at EUR 0.50 to EUR 1.50 per tonne.

Size of the project site: 8000 square metres, half is allocated for storage and the other half for production lines.



Financial Details

We are presuming to obtain a leasing possibility for machines, trucks and etc. For this purpose, we are ready provide an asset valued to EUR 370'000.- as guarantee. Considering the production cost being around EUR 30.-/ton and gross profit being around EUR 70.- / ton, we believe this business presents excellent return on equity figures, both for reimboursment of loan and expansion in a mid-term period. If the cost of a 1 ton per hour production line is around EUR 400'000.-, we would be looking into a ca. EUR 1'000'000.- financing for two 1 ton per hour production lines, trucks for carrying raw material and miscellaneous costs.

Project Developer

EKO-POWER is a young company with a limited liability, established and registered in Olecko, Poland. Coming from different sectors, such as entrepreneurship, banking and international trading, we have joined our efforts and goodwill in order to lead EKO-POWER to success, while taking utmost care about preserving business ethics and principles. From renewable energy sources to public services we are mainly concentrated in the development of sustainable projects that have impact on durable progress of the north-east region of Poland in ecological awareness.

Project developer Coordinates

EKO-POWER Sp. Z o.o.

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REPROMO Project Idea



REPROMO Partners

ENVIROS, Czech Republic

Estonian Biomass Association

ETA – Renewable Energies

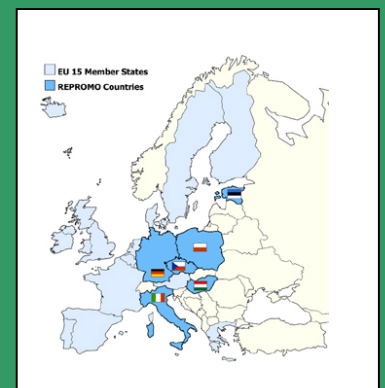
European Biomass Industry
Association

European PV Industry Association

GEONARDO, Hungary

KAPE, Poland

WIP – Renewable Energies



Campaign Contact

www.repromo.org



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