

LCB Bioenergy

Category: Renewable energy.

Company profile

LCB Bioenergy has developed a simple, highly efficient and cost effective technology for converting Lignocellulosic Biomass into sugars (and further into ethanol) & fertilizers.

Based on proprietary inorganic catalysts, the Pipko Mix™, our process results in higher yields of sugars, minimal environmental impact and commercially valuable by-products.

Technologies & products

Processing the biomass using inorganic catalyst instead of strong mineral acids or expensive enzymes, resulting in:

- Highly efficient decomposition of the lignin!
- Consequently, much higher yields of sugars & second generation ethanol.
- Highly efficient process with lower external energy consumption.
- Lower establishment costs; Lower operational costs.
- Minimal environmental impact: no waste to dispose of!
- Valuable by-products like organic-mineral fertilizers, feeding stuff, bio-based chemicals and substitutes for petroleum-based feedstock

Objectives / Target companies

Seeking investment / strategic partnerships, for: Completing a semi-industrial pilot process for producing sugars & ethanol; Signing licensing agreements and/or entering partnerships for the establishment of a manufacturing plant.