



[ECOREN increased the yield of biomass cogeneration](#) Tuesday, April 7, 2009



Based in Lyon, [ECOREN](#) is a french engineering company focused on new energy. Its major objective is to develop a new technology for energy production from biomass, both powerful, clean and inexpensive. The company developed a process called COGEBIO based on a new thermodynamic cycle for electricity production from wood waste.

Innovation

COGEBIO project allows an electrical efficiency of 30% in a cogeneration from biomass. The process used to generate electricity from biomass with a yield two to three times higher than the systems currently available in a power range of 30 to 200 kWe.

The package is designed as a module mounted in the factory, easily transportable and quick installation. It accepts all types of biomass: forest wood chips, bark, sawdust, waste plants, etc.. It is intended primarily for industrial farmers with biomass resources and rural communities.

A project led by Etienne Lebas

The project led by Etienne Lebas, a researcher at the French Institute of Petroleum. A prototype will be done in a commune in the Loire. The latter will mainly be marketed to manufacturers of timber, farmers and public.

Etienne Lebas is a research engineer with the Institut François du Petrole (IFP). He has been associated with IFP since 1995, first in the field of natural gas treatment processes and then in the thermal engineering department. In 2001 Dr. Lebas became project leader in the field of gas turbine combustion. Dr. Lebas earned a Ph.D. in process engineering from the Institut Nationale Polytechnique de Lorraine in 1995. He has filed 18 patents and authored more than 15 publications and congress communications.

Source : IFP, ECOREN

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