



**New Animal Waste Product:  
Beltran Develops Co-Generation Biomass Systems for Farm Animal Waste**

Source: Beltran Technologies news release

Beltran Technologies, Inc. has announced the development of the Beltran Co-Generation Biomass System for gasification of biomass waste. The system not only eliminates waste but also generates vital electric power and heat as a bi-product of the operation. Biomass living organism waste, if not processed and utilized, is extremely harmful to the environment.

One excellent application of the Beltran Biomass System is the gasification of poultry manure, cattle, cow, and other farm animal waste.

The system consists of highly engineered specific machinery working in unison to solve an existing problem and create valuable energy. The manure or other farm waste is gathered and placed on to a conveyor, which feeds the waste directly to the Gasifier. Here the waste is gasified (burned) with an exact amount of controlled O<sub>2</sub> (oxygen) to ensure a usable flow of gas. The gas is channeled to a turbine where large particles called Char are removed and the gas stream is then sent to a Wet Electrostatic Precipitator where the gas is cleaned at the sub micron level, then to a dryer to reduce its saturation, and finally to the Engine. The Engine produces valuable electric power for the farms operational uses. In addition to the electric power, the system produces heat, which can be used productively on the farm.

The Beltran Co-Generation Biomass System corrects the need to clean up and eliminate waste and generate valuable power and energy.

Beltran Technologies is a leader in advanced gas cleaning and air-pollution control for broad spectrum of industrial processes and emissions requirements. Our reputation is based upon 50 years of efforts in exploring the complex chemistries of emissions, conducting in-depth research into best practical solutions, developing methods, materials, and technologies to implement those solutions, and designing and manufacturing customized, state-of-the art machinery and systems tailored to each individual application. As a vertically integrated corporation, we favor a comprehensive, systems approach to working with customers, finding innovative and effective ways to overcome their challenges. Our relationships with our customers are therefore long-term, supportive and based on continuing mutual success.