

The BioGas industry is growing fast and is creating some of the cleanest and least impactful energy on the market.

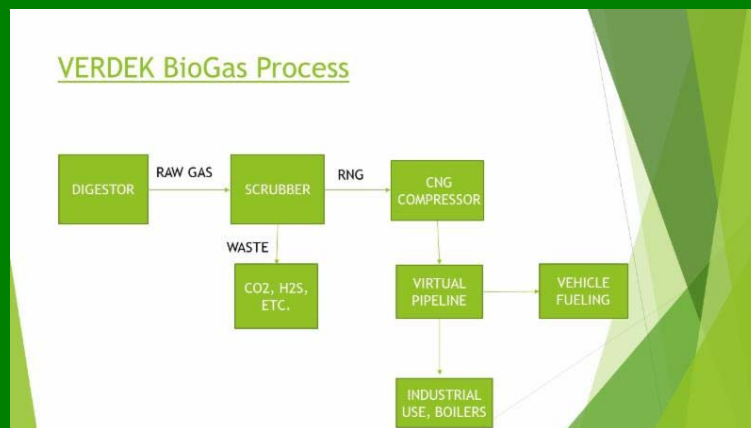


CNG & LNG SOLUTIONS

Verdek Introduces New Solutions For The BioGas Industry

The Renewable Natural Gas (RNG), or biogas, industry is continuing to grow as more applications for it are being found. By taking organic wastes and turning them into higher value products, the amount of landfills and incineration plants in use can be drastically reduced. This transformation takes place during a process called anaerobic digestion. Using a complete mix digester, which is an enclosed, heated tank with a mechanical, hydraulic, or gas actuated mixing system, the organic waste is compressed into a biomass energy that is dependable and environmentally sustainable. There are several other types of digesters as well, including the induced blanket reactor, used for sludge, the fixed film digester, for plastic, and the batch digester, which is used for "batch" manure.

A chart of the BioGas creation/usage is shown below:



In the chart above we show our process. We take the raw gas from the digester, we remove unwanted components, such as CO₂, and we compress RNG at 3,600psi. We then move the gas to a location where it can be put to use. Generally it is injected in a pipeline, used for transportation or industrial boilers.

Due to its expertise, Verdek is upping its participation in the RNG field. As other energy prices rise, it becomes more relevant for companies such as ourselves to enter the market. We can avoid the disposal costs and negative environmental impact of waste, while providing reliable baseload generation. We have the equipment necessary to perform all stages of the gas treatment.

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Verdek, 123 Rolling Meadow Rd, Madison, CT 06443