



Biogas from pig manure in Vietnam

Project	Production of electricity using the anaerobic fermentation of pig manure.
Place	Ben Cat Distric, Vietnam, 60 km in the noth of Ho Chi Minh-City
Project owner	SURE was founded in 2004. The company advises, develops, builds and maintains projects in the fields of solar, very-small-scale hydropower and biogas energy. SURE's financing partner for the realisation of this project is Alternegy. Further information on the project owner is available on the following website: http://www.sure.com.ph

Description

Around 150'000 pigs are kept on 150 ha of land in the district of Ben Cat, roughly 60 km north of Ho Chi Minh City. The accruing pig manure is filled into digesters for fermentation. During the fermentation process, liquids and solids separate and methane is generated. Solid matter is packed into bags and sold to farmers of the surrounding area as fertiliser; the greenhouse gas is released into the atmosphere without being used.

Due to Climate Cent Foundation

Thanks to the Foundation's support, a biogas installation is now being built, which collects and uses the methane. The resulting methane is sucked off the digesters and fed into a combustion engine, which powers a generator and produces electricity. The biogas power plant will have a capacity of 2.5 MW. The electricity will be used on site to operate San Miguel Corporation's animal feed mill. For want of a reliable connection to the power grid, the mill currently uses diesel generators. For the same reason, however, any potential excess power production cannot be injected into the power grid: excess methane will thus be flared.

More information:

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