

Biogas plant Brokenlande approved

On May 7th 2007 our customer, the green house farmer Hans Gosau, received the BImSchG-authorisation to build and run a biogas plant next to the existing greenhouse in Brokenlande in the North of Germany. The conceptual design and approval processes of the first phase of the project with 500 kilowatts capacity have been successfully completed. SHP Europe has produced all necessary approval documents and had been in charge of the complete application process on behalf of the client. The great advantage of the plant is the optimized and integrated use of a major part of the CHP-engine's waste heat in the greenhouse for heating.

"This ecological and economically interesting supply of thermal energy enables the green house to produce very cost-effectively. As a result, several jobs are secured in the long term", Dipl.-Ing. Rüdiger Wolf, managing director of SHP Europe, explains.

The plant will primarily use corn, other agricultural products and manure supplied by local farmers. The produced electric energy will be fed into the grid of the local utility. An expansion of the plant is foreseen. In this second phase SHP Europe plans to introduce further improvements of the efficiency of the heating system of the greenhouse.