

Baas Energie BV, NL-Ens, Kombi Power System®



THE PLANT

Baas Pot- en Tuinplanten Kwekerij is specialized to grow potted flowers under more than 50 hectares of glasshouses for the European market at NL Ens / Northeast Polder.

An increasing demand for heat for the year-round production as well as a recent need for lighting demanded the extension of the energy supply. In addition to various gas boilers, a bioenergy line with a conventional grate furnace for wood chips already existed. The decision in favor of the second energy line was made in October 2016 on our Kombi Power System® with a 4.5 MW updraft gasifier. This produces up to 500 kWel of power and 3,800 kW of heat output by combined heat and power with an ORC system in heat-driven operation mode. The reasons for the decision were the low operating and discharge costs, the high overall efficiency >95% and, above all, the extremely low emission values even without additional flue gas filter technology.

OUR SERVICES

- | System and implementation design
- | Turn Key Technology from a single source including manufacturing, transport, installation and commissioning

DETAILS

Client:	Baas Energie BV
Contact:	Mr Dieter Baas, phone +31 527 251212
System Engineering:	ReGaWatt GmbH, Abensberg
Total Investment:	app. 5 Mio. €
Period:	Sep 2016 - Dec 2017