

Romande Energie, CH-Puidoux, Kombi Power System®



THE PLANT

Romande Service SA, a subsidiary of the canton of Vaud's major utility, invests and operates a large number of renewable energy projects in the canton and beyond. In 2017, in addition to the sports center, a new biomass cogeneration plant and a district heating network were built in Puidoux in just one year in 2017 to supply the sports center and other municipal, commercial and private customers. The centerpiece is a updraft gasifier with a capacity of 4.5 MW, fuel capacity for untreated wood chips from forest and landscape conservation. In combination with a gas engine of 770 kWel and an ORC system for the power conversion of 120 kWel, this system constellation achieves a previously unattained high level of electrical efficiency. The decoupled heat output is controllable from 1.5 MW up to 2.7 MW. This is possible due to a 50% power reserve on the gasifier. The afterburning of the engine exhaust gases as well as the gas condensates in the always hot combustion chamber is the guarantee for permanently low emission values and this without additional exhaust gas filters or catalytic converters.

OUR SERVICES

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

DETAILS

Client:	Romande Energie Service SA
Contact:	Mr Giulio Caimi, phone +41 76 4914753
System Engineering:	ReGaWatt GmbH, Abensberg
Total Investment:	app. 6 Mio. €
Period:	Jan 2017 - Dec 2017