



electricity



heat



cooling



steam



synthesis gas



bio oil

**REGAWATT**



Independent energy solutions for  
**for commerce, industry and local communities.**

WE ACCOMPANY  
**YOU TO**  
INDEPENDENCE



**KOMBI POWER SYSTEM<sup>®</sup>**

✓ independent    ✓ sustainable    ✓ flexible    ✓ secure

The high performance power plant

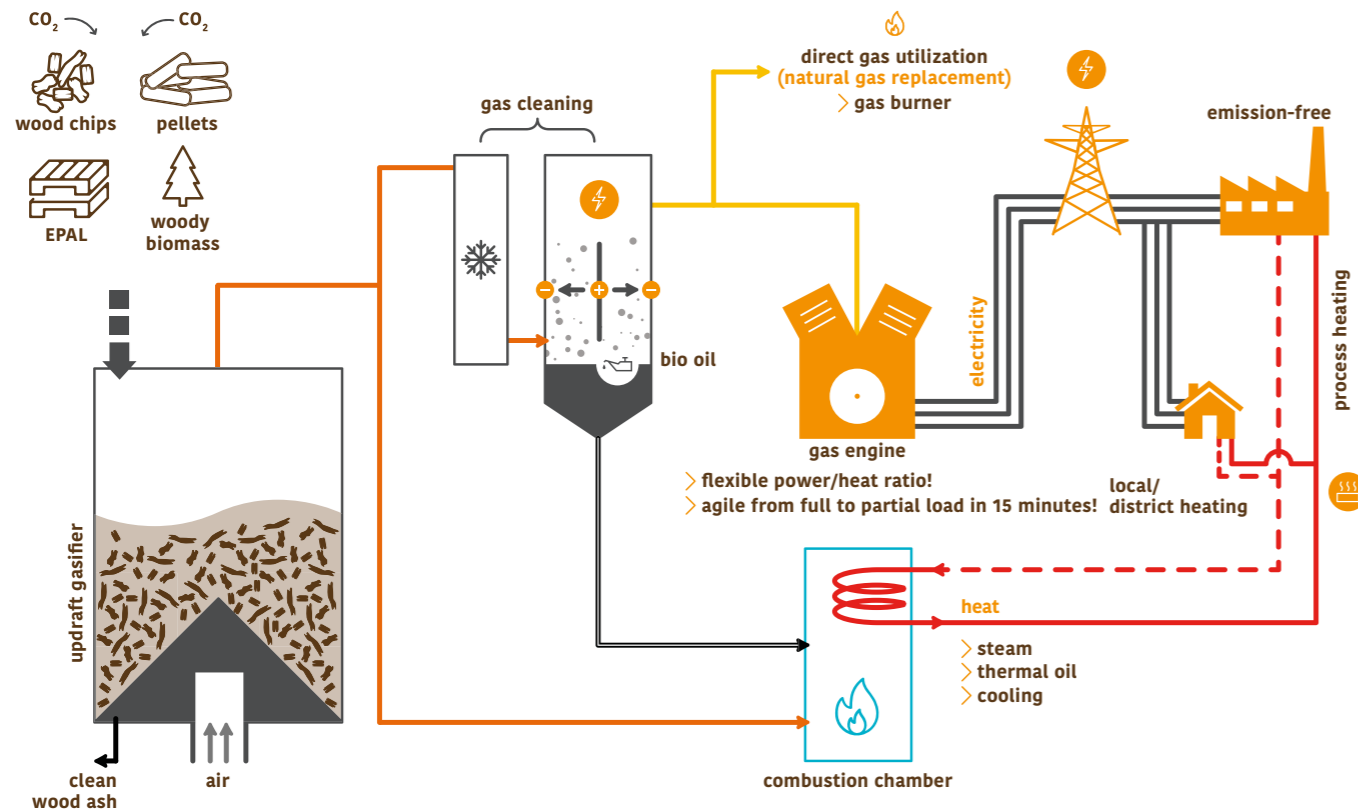
[www.regawatt.de](http://www.regawatt.de)

# KOMBI POWER SYSTEM®

In-house energy generation pays off: The high-performance Kombi Power System supports you as a reliable partner at the location of your choice. Stay independent from rising energy prices and cover your individual energy needs in a cost-saving and climate-neutral way.

## THE FUNCTIONALITY OF THE KOMBI POWER SYSTEM

The heart of our plant is the **updraft gasifier**. In a special combustion chamber, the generated raw gas is burned cleanly and efficiently in startup and shutdown mode as well as in pure heat mode. The addition of supplementary modules can be customized to meet your individual energy requirements.



## THE BENEFITS



### FUEL FLEXIBILITY

- > Pre-drying the fuel is not necessary
- > Robust conveying technology
- > Fuel diversity: waste wood, forest chips, landscape conservation wood, screen residues from composting plants, bark, etc.
- > Continuous expansion of the fuel range as a result of tests at our pilot plant



### SCALABILITY

- > Partial load capable (up to 20%) and fast controllable (within 15 minutes)
- > Modularity allows subsequent plant expansion
- > updraft-principle easily scalable



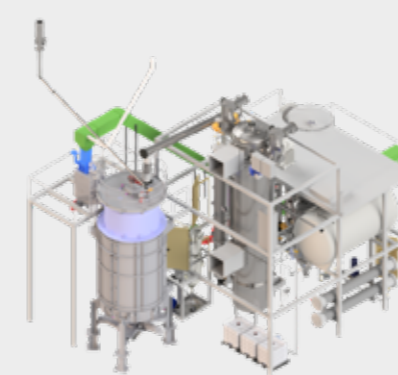
### EFFICIENCY

- > Flexible thanks to modular design
- > Complete burnout
- > Clean ash
- > High cold gas utilization rate: gas outlet temperature 75°C
- > Customized design provides best possible heat utilization concept
- > Highly efficient updraft principles



### SUSTAINABILITY

- > Robust design allows long service life
- > No waste due to filter change
- > TÜV SÜD confirms remarkable emission values



## OUR PLANTS

- Customized
- Turn-key
- Fixed price
- Performance guarantee

## TECHNICAL DATA

electric power	250-2000 kW
gasifier size	2.0-2x4.5 MW
fuel thermal output	1200-7000 kW
fuel demand	1,7-10 Sm <sup>3</sup> /h
optional: flue gas condensation	200-1350 kW
total heat capacity HT	500-2800 kW
total heat capacity HT+LT	850-5200 kW
space requirement Kombi Power System	300-600 m <sup>2</sup> H=15 m



Our plants are controllable and supply 20-100% power according to demand. Since our fuel range is constantly expanding, you are always flexible in the choice of fuels.

## CHOOSE THE ENERGY COMBINATION THAT SUITS YOUR NEEDS BEST:



ELECTRICITY



HEAT



COOLING



SYNTHESIS GAS



STEAM



BIO OIL

### Direct gas utilization:

In addition to the classic CHP use, you can also use our wood gas directly for your industrial process and thus become independent of fossil fuels.

## ABOUT US

The fascination of ReGaWatt GmbH is not only determined by products and technology, but also by pioneering spirit, values and a founders story. The journey began in 1984 with Klaus Röhrmoser, inspired by a book and the motivation to actively help shape the energy transformation.

The journey led past technologies such as solar thermal plants, biogas plants, biomass cogeneration plants, local and district heating networks. All this know-how flowed into the founding of ReGaWatt GmbH in 2010,

and into the birth of the Kombi Power System. After the first difficult years of technical development, a strong team emerged. Today, ReGaWatt GmbH is ready for the energy transformation with its sophisticated Kombi Power System.

With our focus on creating added value for our customers and developing sustainable technologies with meaning and purpose, we are creating the energy transformation together.

# Independent Sustainable Flexible Secure



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