



SUSTAINABLE WOOD RECYCLING

Wood Gasification

We do not only talk Green, we GO GREEN

TrinityQQ is a global acting enterprise. Our market advantage over other renewable energy or recycling companies is the patented technology and the dedication and teamwork of engineers and scientists from Germany, Austria and around the globe.

Quality manufacturing to the strictest standards, dependable suppliers and an experienced team of workers, allow to always deliver satisfaction beyond expectations.



**WASTE TO ENERGY
IN HARMONY WITH NATURE**



Create with TrinityQQ
an ongoing **SUSTAINABLE** closed loop





WASTE TO GAS

Gasifier System

The system convert waste wood, biomass and other low-cost feedstock into “green gas” which is used to generate heat and power continuously.

The modules are designed around standard shipping container skids. In this way, each unit can be assembled and tested at the factory before it is easily transported and installed on site. A relocation is also possible, if required. The modular design with its small footprint, means that the units can be sited almost anywhere. Industries or facilities require power, heat, steam or cooling, can benefit from lower cost, lower carbon emission and control over their own power generation using their own on-site plant.

The system uses downdraft gasification technology that is widely accepted as the cleanest most efficient method of converting biomass and other feedstocks into valuable syngas. An innovative patented process separates from competition, added to 7 stages of syngas cleaning, making it one of the purest fuels available for generating power.

WASTE TO GAS

Gasifier

**Rapid clean gasification system, modular design
(1 ton per hour modules) for production of clean gas**

Pre-mounted, containerized system, no buildings required

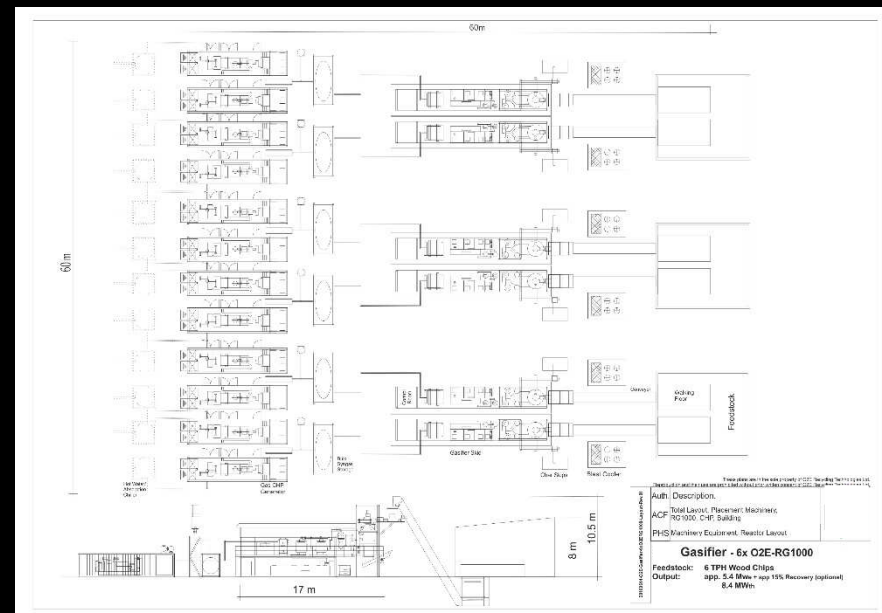
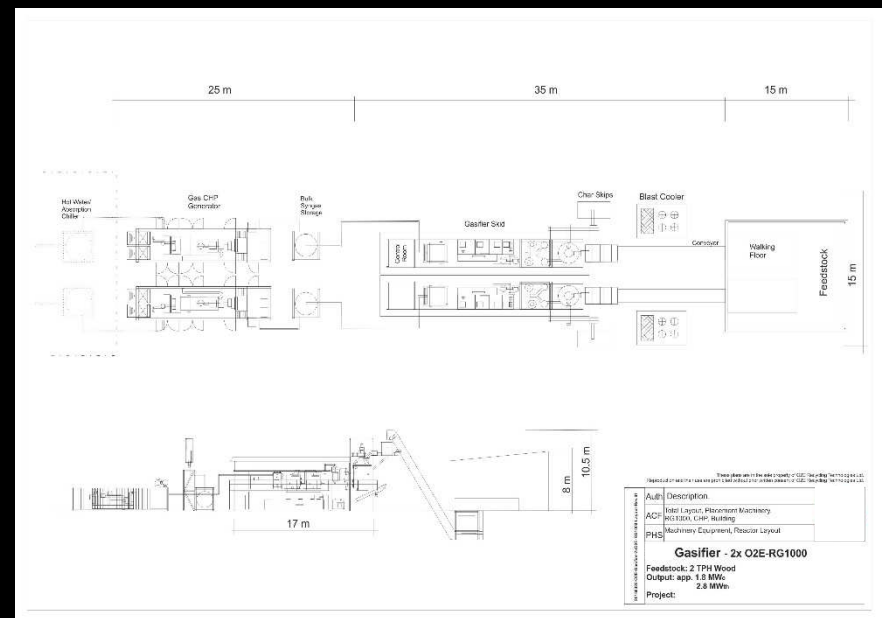
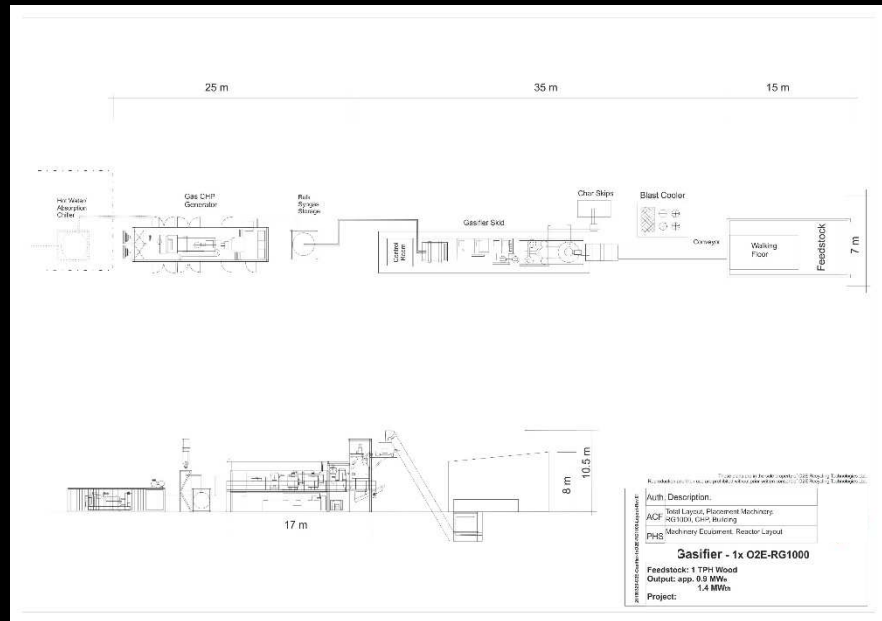
**equipped with gas generators (CHP) for electricity and
heat/cooling production**

power range combined 1 MWe + 1.4 MWth per 1 ton input

**primary inputs, wood, class A,B,C, dry green cuts, nut shells,
rice husks, dry stall wastes, straw ... and similar**



BASIC LAYOUTS



COGENERATION

CHP (Combined Heat and Power Generators)

Individual systems to operate with produced fuels.
Units are modular scalable, and will be custom designed for the Gasifier units.

System benefits:

- Modular
- Designed and adjusted to run with Gasifier fuels (syngas)
- Containerized
- Automatic operation
- High electricity and heat efficiency





We aim to be the leading provider of waste recycling and waste conversion systems in the most environmental safe and economical manner, consistent with Green Environment principles.

The customer's unique needs are our central focus. Fullfilling our promise and quickly adapting to the changing needs of our customers is our hallmark.

Our business dealings are fair, honest and dependable.

The diversity and experience of our employees from the laboratory to the installation site allow for exceptional teamwork.

We constantly question traditional approaches and develop new solutions. Constant communication with our clients and staff allows us to customize and adapt to specific needs of our clients.

The trust of our suppliers and clients is earned with each project and is based on our dependability, fairness and honesty.

Awards:



**www.trinityqq.ru
+421 918 977 594**