



SUSTAINABLE PLASTIC & TIRES RECYCLING

Catalytic Cold Conversion

Catalytic Depolymerisation

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 us to always deliver satisfaction beyond expectations.



**WASTE TO ENERGY
IN HARMONY WITH NATURE**



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





WASTE TO FUEL

The system can handle different feedstock mixes at the same time. No residues, 100% conversion.

It processes any Municipal Solid Waste (MSW) derived plastics, rubbers, textiles and any of these, from a single waste stream quickly, converting them into valuable chemical derivatives (called commonly as blending oil, cracking oil, No2 fuels, heating oils).

The system uses no incineration, no burning but a patented elegant catalytic cold conversion (direct liquefaction) and therefore does not produce any toxic gases.

System benefits:

- **High flexibility in feedstocks**
- **Modular**
- **Scalable**
- **Automatic operated**
- **100% conversion efficiency**
- **No burning, no incineration**
- **Hermetically closed cycle, no emissions**

WASTE TO FUEL

**Catalytic Cold Conversion
Catalytic Depolymerisation**

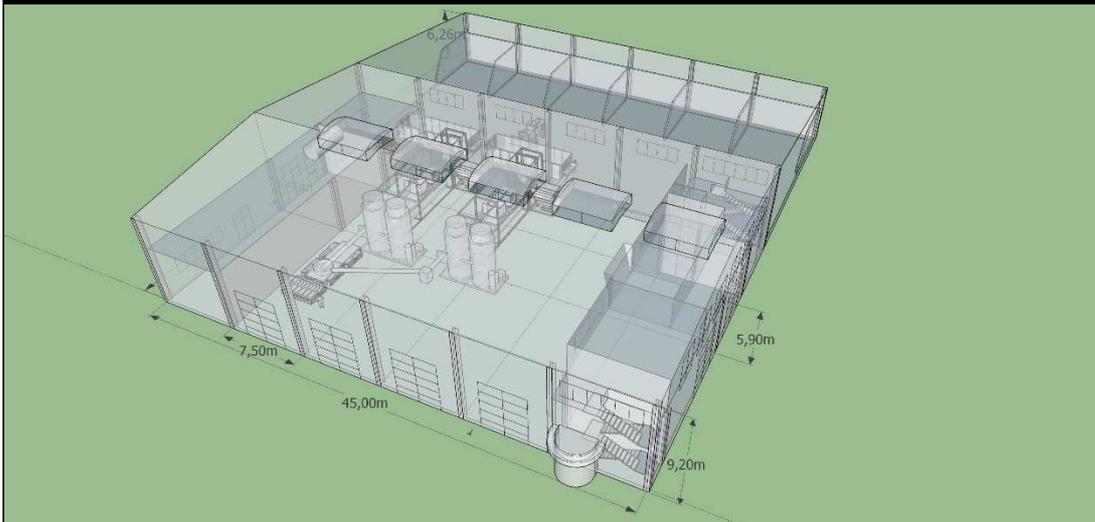
**Conversion of sorted plastics, rubber, textiles, Tetrapacks,
Coffebags, End of Lifetime Tires)**

Modular reactors, input capacity each 1 ton per hour

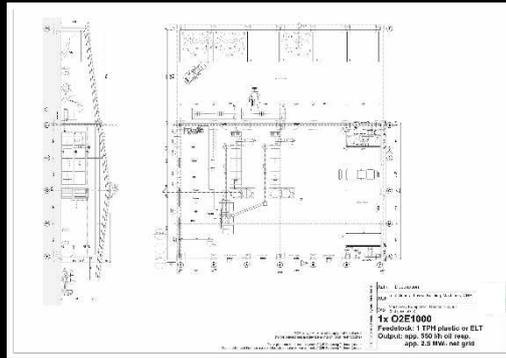
**Output approx. 550 liter No2 equal fuels
(yield depending on used input materials)**

**Combined with CHP (Cogeneration, Combined Electricity & Heat
Generators)**

Power output range up to 2.5 MWe + 2.5 MWth per 1 ton input



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
Catalytic Cold Conversion units.

System benefits:

- Modular
- Designed and adjusted to run with the CCC's fuels
- 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
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