



***RUG*500°C**
powered by **LTW**

Processing of plastic waste



Organic petroleum distillate is formed



With depolymerization of waste, gas is formed, which creates with the generator electrical autonomy of the process



The whole process is emission-free, it forms a saving not only in CO2 production, but primarily by processing already once-Earth-laden plastics and CO2

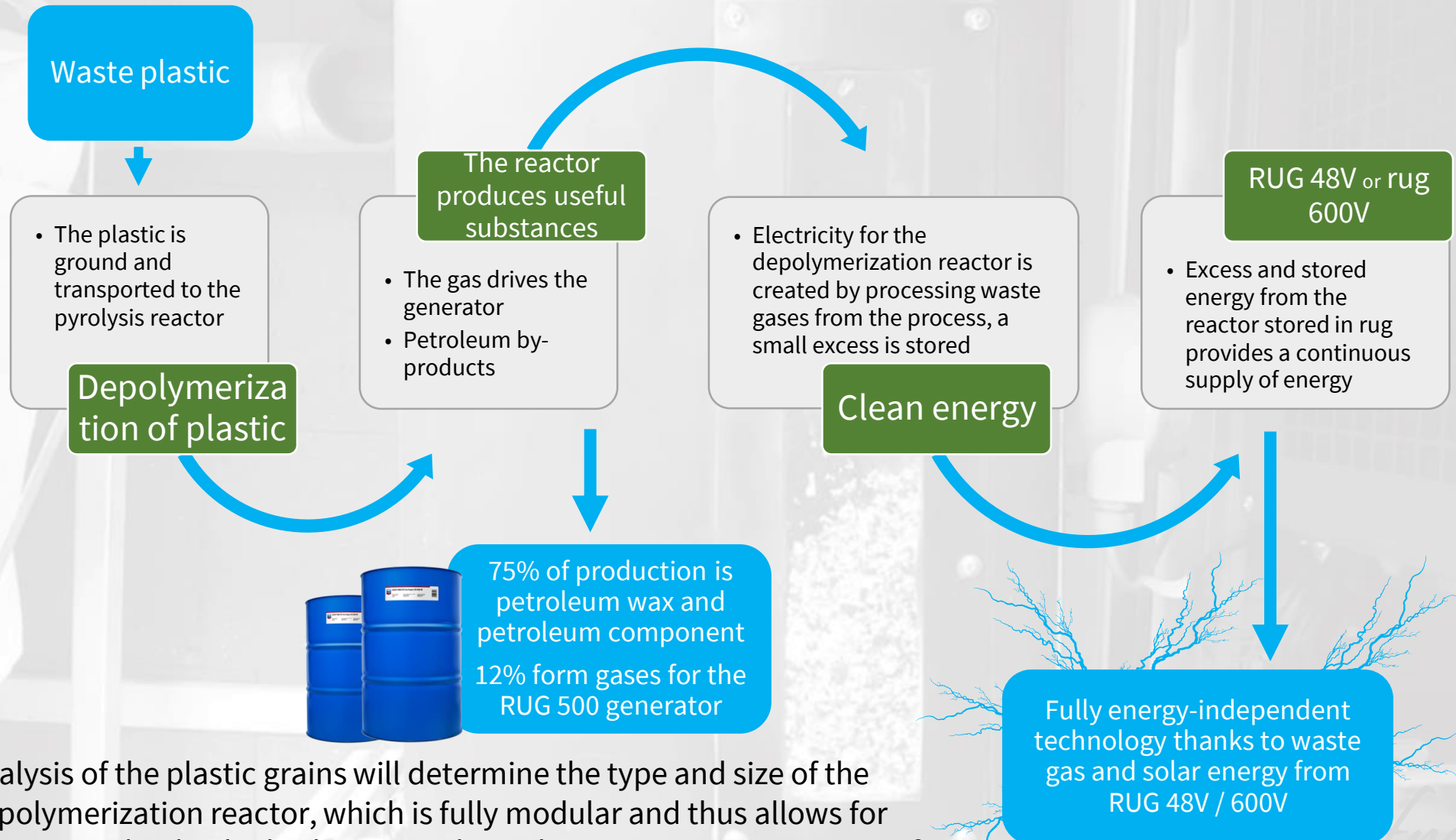


RUG 500-processes depolymerising plastic at 500°C, which has already been processed once, but without the excess CO2 that suffocates the Earth. Thanks to the low-energy decomposition of plastic, the opportunity to develop ecology is offered.



RUG 500°C

Manufacturing process



Analysis of the plastic grains will determine the type and size of the depolymerization reactor, which is fully modular and thus allows for efficient and individual solutions without the necessary connections of the electrical current anywhere in the world

Analysis

- Analysis of your plastic grain (5 kg)
- After 10 weeks, demands and needs for plastic grain for the depolymerization reactor will arise

Configuration

- Configuration based on output values from the analysis
- Formation of a suitable depolymerization reactor by plastic crumb

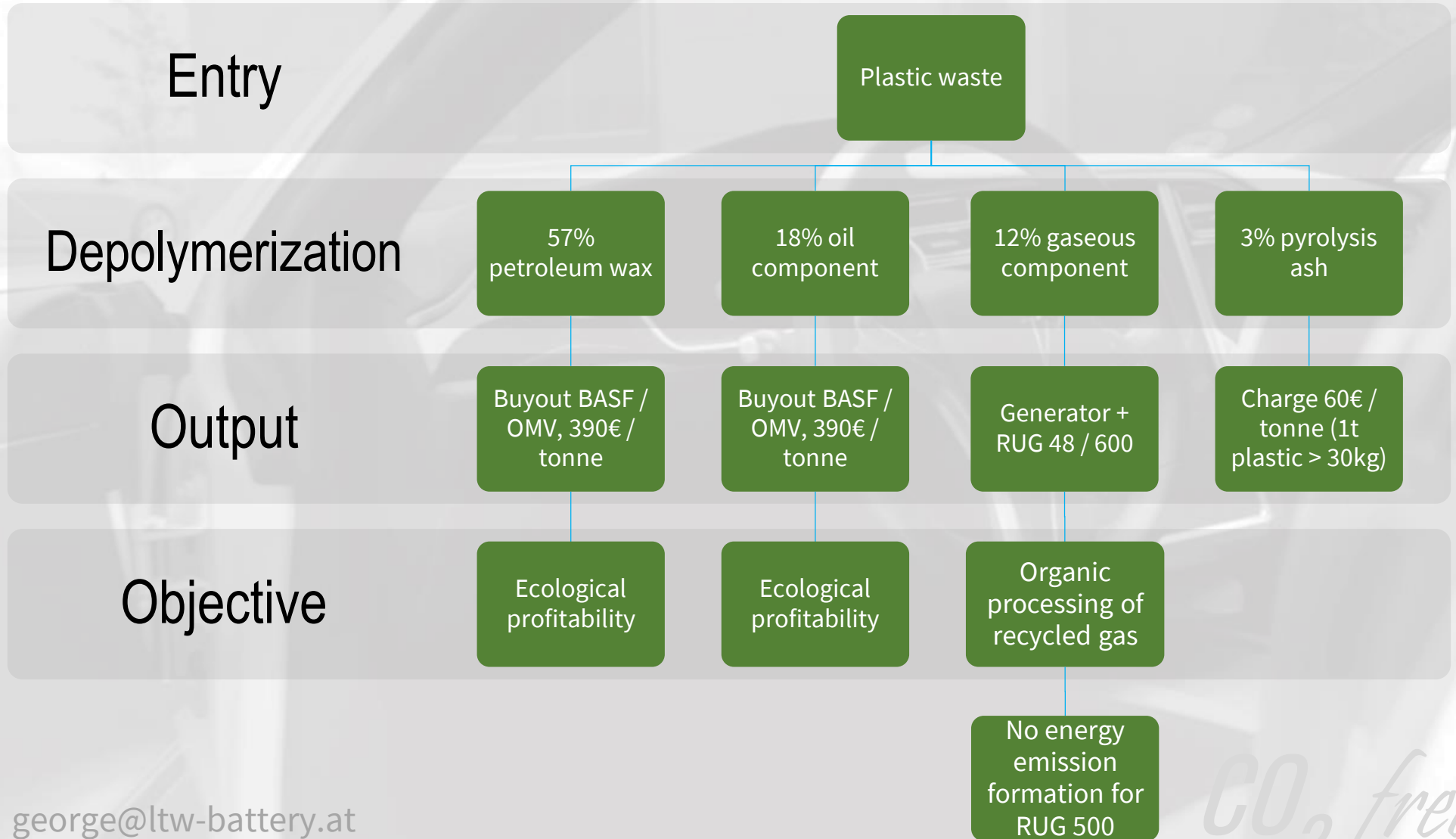
Implementation process

- Payment 65% deposit
- Delivery time 5-8 months according to reactor configuration

Final transfer of depolymerization technology rug 500°C

- 72h test of delivered plastic at the factory with confirmed output of the depolymerization process
- 35% Technology Supplement
- Delivery to the final place

Summary of the process



TECHNICAL DATA

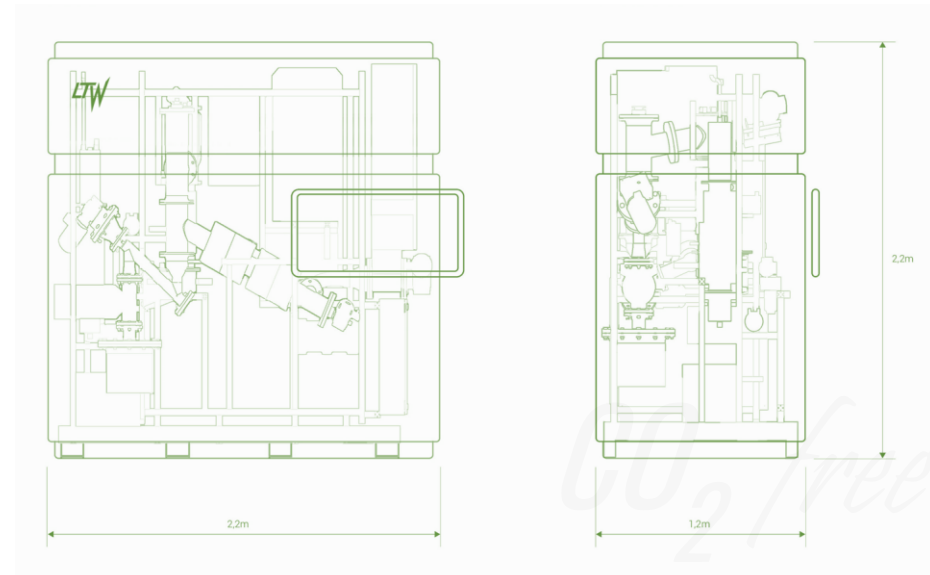
- + Continuous compact depolymerization reactor with patented multi-seasonal heating system
- + Compact input system also for light and liquid substrates
- + Condensation tanks with filtration
- + Processes polyols: **PE, PP, LDPE, HDPE**
- + Condensates depolymerization (energy content about 10 kWh / l)
- + Security system
- + Siemens control system with extensive sensor technology
- + Water cooling + backup system
- + Automatic discharge of ash
- + up to 15% of pollution by blacklist / whitelist
- + Waterproof container
- + Meets military, shipping and all German environmental standards
- + PC interface-LAN / DATA, monitoring

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Technical specification

DEPOLYMERISING PROCESSORS

- HDPE** Containers, IBC, plates, foil
Injected pressed parts of packaging, household or technical goods subjects
- LDPE** Foil, such as adhesive foil, transport bags
Agricultural films, milk carton coatings, garbage bags and shrink
- foil** Interior equipment for cars, dashboards and battery cases
Shock absorbers, child seats, bicycle helmets
Transformer Housing, Wire and cable sheathing
Insulating film, pipes, cups, bottle caps
Indoor parts for dishwashers, Thermo transport boxes
Protective film, reusable packaging
Packaging parts, drinking straws, adhesive film
Plastic banknotes like the Australian dollar
PP fibres in home textiles, carpets, sports textiles, packaging materials,
Hygiene products, medical products, floating ropes, geotextile



	RUG 500/250	RUG 500/1000
DEPOLYMERIZATION REACTOR	198 000,-	385 000,-
PREPARATION AND CRUSHER OF PLASTIC	35 000,-	55 000,-
WASTE GAS GENERATOR	38 000,-	45 000,-
TANKS HIRING OIL COMPONENTS	28 000,-	38 000,-
RUG 3/5/20/5 & RUG 3/5/40/5	26 000,-	36 000,-
INSTALLATION / TRANSPORT	10 000,-	15 000,-
INVESTMENTS BEFORE ANALYSIS TOTAL IN EUR EXCLUDING VAT	335 000,-	574 000,-
MONTHLY PRODUCTION (29 DAYS)	2828,- €	11 310,-
ORIENTATION ROI FROM E.And.	10.21 years	4.9 years

Analysis of the 5 kg plastic sample – 4995 € / 10 weeks output, which will determine what depolymerizační reactor will be constructed and set to the supplied pattern plastic waste. Any change in composition should be consulted and do additional analysis, the condition of stable operation is to observe the composition of plastic waste from the analysis

If You're indifferent about in what condition we leave our Country to our children and there are-if You have at least a small chance or possibility to extend ecological help our planet in addressing the plastic issue, so going to a team LTW ready with You our problem to solve.



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RUG 500°C future belongs to the prepared