

FERTILIZER FROM RENEWABLE RESOURCES

Plant-Based Nutrient Complex
with Valuable Amino Acids, Carboxylic Acids, Minerals and Sugars

THE BIOFABRIK GREEN REFINERY

 **BIOFABRIK** | The Green[®]
Refinery



TRACK RECORD: THE WASTX OIL

The WASTX Oil is a stand-alone solution for treating mineral oil waste. It transforms oil waste into usable recycling fuels. The WASTX Oil is working in non-stop operation since October 2018 and is now in serial production.



Developed 2017/18

This also includes receiving every administrative approvals.



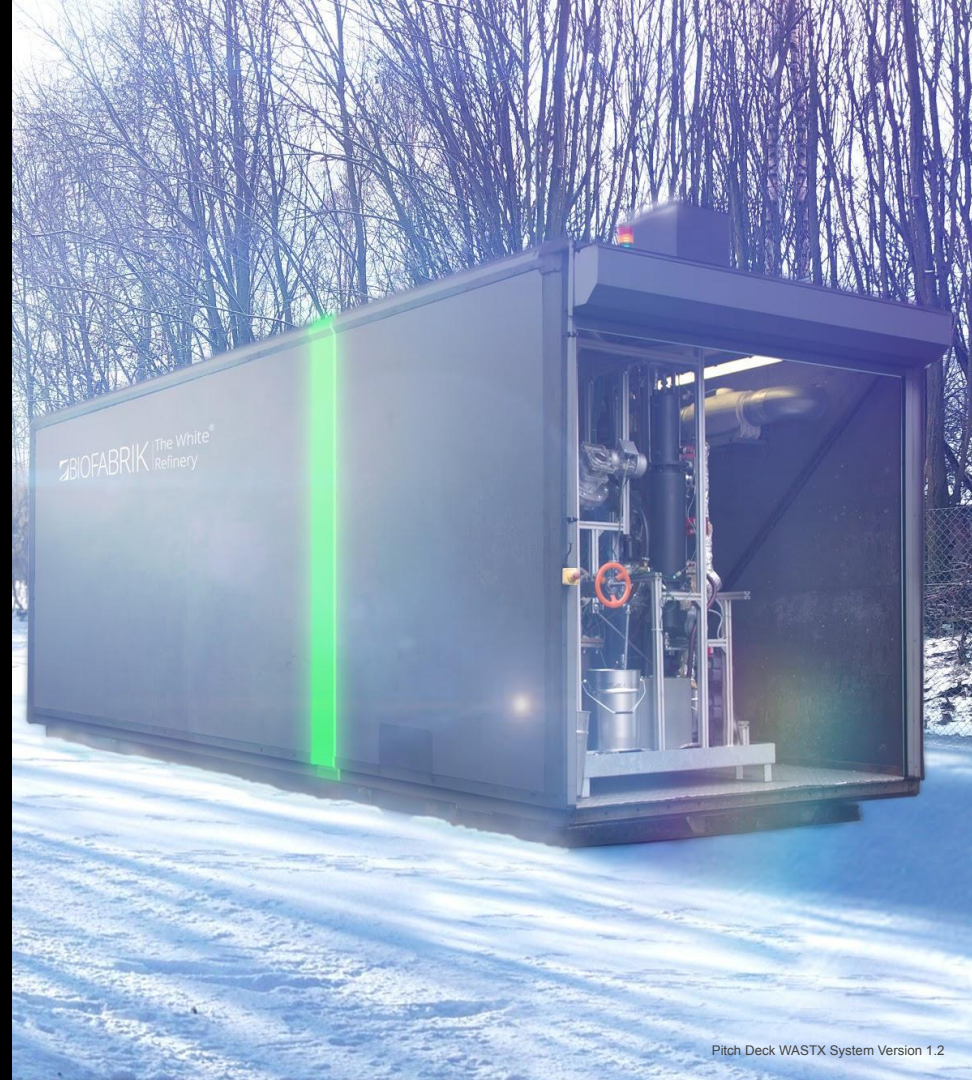
Demonstration plants in Germany & China

With the Institute of New Energy Wuhan (INEW) we have a strong partner for the distribution on the Chinese market.

TRACK RECORD: THE WASTX PLASTIC

The WASTX Plastic converts plastic waste into energy. Like all of our technologies it is characterized by a modular, decentral and highly scalable design. The technology has successfully passed the endurance test in Q1/2020 and is now transferred into serial production.

- **Processes 1.000 kg of plastic waste per day**
Reactor units can easily be scaled through series connection using the same peripheral equipment.
- **One kg of waste becomes one liter of fuel**
Processes post-consumer waste materials which is the main source of the world's plastic waste problem.
- **One litre of fuel can produce 3,5 kwh of power**
Using generators locally, electricity can be the direct value





01 BACKGROUND



Secure high-quality food supply for
a rising world population



Large selection of the population
already malnourished



Constant fertilisation of cultivable land and
factory farming mandatory

THE CHALLENGE

Uno increases Forecasts for 2050:
World population growths to 9.7 Billion

n-tv.de // 29 July 2015



01 BACKGROUND



Opens up Grass as a renewable and nearly unlimited resource for the food and fertilizer industry



Low production costs due to an innovative resource concept



First operation in 2014, stable non-stop operation, fully automatic and telemonitored

THE SOLUTION

First decentral Bio-Refinery of the World

Prototype in stable non-stop operation

continue for details →



Watch the video at youtube.com/biofabrik



With pastured grass the Bio-Refinery opens up a new resource for the food, animal feed, fertilizer, cosmetics and pharma industry. It uses the existing infrastructure and resources of grass-processing industries to reduce production costs to a minimum.

Organic fertilizers produced economically

- Produced in multiple processes of extraction, filtration and concentration
- Contains minerals, carboxylic and lactic acids, sugars, ammoniacal nitrogen and a vast range of free amino acids
- Suitable as a universal fertilizer for indoor gardening, fruit, vegetables, herbage and lawn
- Produced with 100% renewable resources, free from GMOs and additives
- No fossil resources like oil, phosphorus and potassium



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Scalable, decentral production

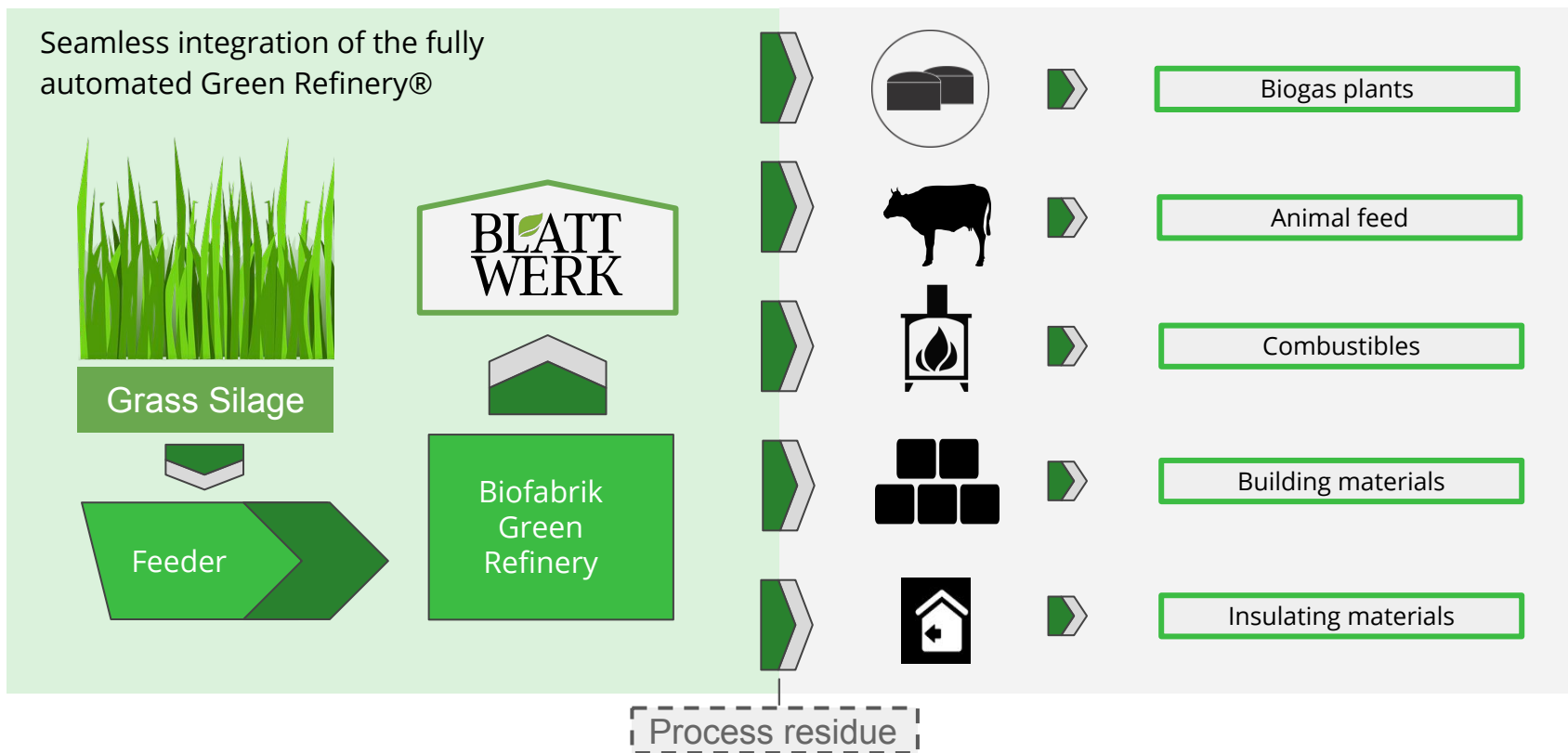
- Technology and business model developed over more than 12 years
- Business model contains sales of the technology and trading the products
- Future plants can be set up completely independent of pre-existing infrastructure
- Alternative use of remaining grass silage for building materials, insulating material, combustibles or animal feed possible





02 THE SOLUTION

The Green Refinery process with alternativ further processing





BLATT
WERK



PURE

BIOLOGICAL PLANT FERTILIZER
100% VEGAN & ORGANIC

BLATT
WERK
PURE

+ AMINO ACIDS
+ LACTIC ACIDS
+ NATURAL SUGAR
+ TRACE ELEMENTS

100% vegan fertilizing complex with natural amino acids.
Made from grass harvested on pastures and meadows in the EU,
energy and carbon neutral, without GMOs and additives.
Suitable for fruit, vegetables and wine as well as indoor
and outdoor gardening.

How to make a 0.5% solution:

1 l Water	5 ml Blattwerk pure	
5 l Water	25 ml Blattwerk pure	
10 l Water	50 ml Blattwerk pure	



Shake bottle before use. Use up quickly after dilution with
water. Blattwerk can be added to each watering procedure.

Nutrient content:

Total nitrogen (N): 1.33%, Phosphorus
(P₂O₅): 0.69%, Potassium (K₂O): 5.30%,
Sulfur (S): 0.20%

Organic substances:

19.33% (4.03% amino acids)
Application by nonprofessionals licit.
For detailed information about
application and dosage on request see
www.biofabrik.com/blattwerk

Recommendations of official
consultancy have priority.

Storage instructions:

Storage at temperatures between
5°C and 20°C. Avoid direct sunlight.
Do not inhale mist or splashes.
Keep away from children and pets.
Do not let the fertilizer leak into
unenclosed waters. Storage and
application are beyond the
producer's control. Therefore
Biofabrik is exclusively liable for
flawless quality at delivery.

BIOFABRIK | The Green®
Refinery

Manufacturer: Biofabrik Green Refinery GmbH
Rossendorfer Ring 6, D-01328 Dresden
Made in Germany

1.000 ml

4 260462 680356



Charge:
GR 07/2018



BLATTWERK Pure Bio Universaldünger, veganer und organischer NPK Dünger mit Aminosäuren. Flüssiger Naturdünger aus Gras für Rasen, Obst und Gemüse, Balkonpflanzen, Gartenpflanzen

von [Blattwerk](#)



[484 Sternebewertungen](#) | [129 beantwortete Fragen](#)

Amazon's **Choice**

Statt: 12,95-€

Jetzt: **12,62 €** (12,62 € / l) **prime** GRATIS 1-Tages-Lieferung

Sie sparen: **0,33 € (3%)**

Preise inkl. temporär gesenkter USt. – ggf. Variation an der Kasse je nach Lieferadresse.

[Informationen](#) zur gesenkten USt. in Deutschland.

[Jetzt Amazon-Konto aufladen](#) und Ausgaben im Blick behalten.

Größe: **1 Liter**

Blattwerk: Organic fertilizer for everyone



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