

ECOGI – converts organic waste to green energy

Environmentally friendly pre-treatment
technology for organic waste



From waste to a sustainable, green resource

ECOGI – efficient technology to produce a quality pulp from organic waste

The ECOGI Technology:

The ECOGI technology has been developed based on years of experience in waste processing.

The result is a design that can withstand the challenges presented by aggressive waste environments.

The technology also sets new standards in pulp purity, especially when it comes to minimal plastic content.

ECOGI is known for producing a unique substrate product that is ETV certificated for purity and quality.

Key benefits:

- Purity of the pulp meets even the most demanding regulations
- Maximum utilization of the organic waste contents
- Adjustable dry matter contents
- Fully automatic operation
- Low operation costs





Control is fully automatic.
ECOGI can be monitored and
remotely operated by PC or iPad.

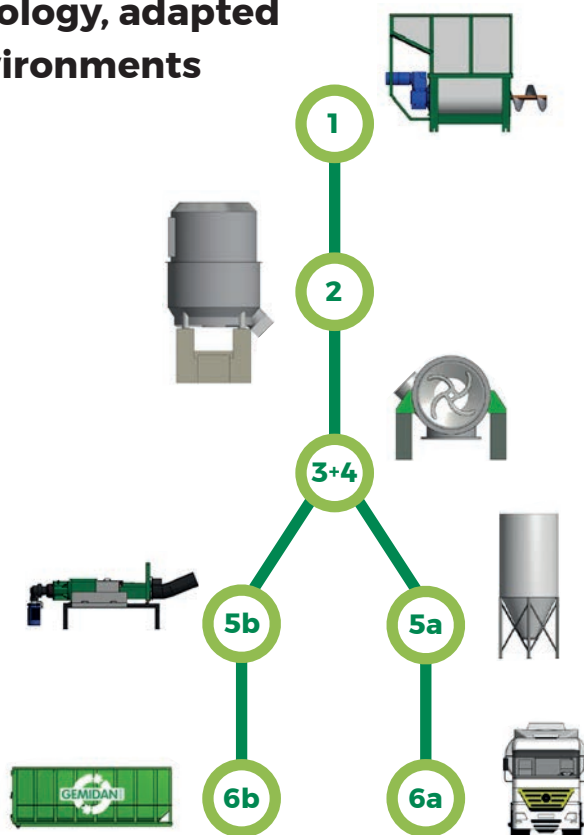
Converts organic waste into **GREEN** energy



The ECOGI process:

Efficient, thoroughly tested technology, adapted to the most demanding waste environments

1. Feeding of organic waste
2. Pulping the waste
3. Separation of rejects post pulping
4. Cleaning of rejects for maximum utilization of organic potential
- 5a. Storing of pulp before delivery
- 6a. Transport of pulp
- 5b. Screw press dewatering of rejects
- 6b. Storing of rejects for reuse/incineration



Typical bio waste for an ECOGI system:



Mixed business and household waste



Household waste



Business waste



Rejects



Business waste in glass and bottles



Household waste, in green bags

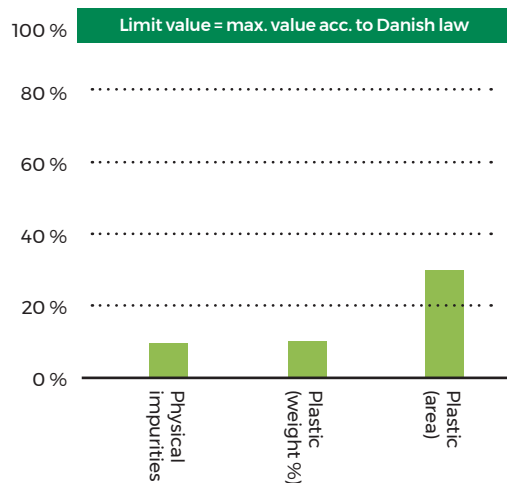
Excellent pulp quality from ECOGI plants

6 key benefits of pulp from ECOGI:

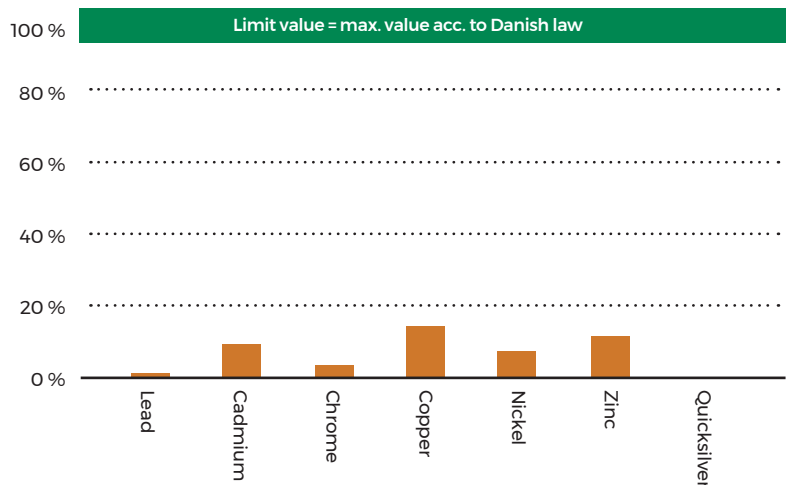
- Excellent purity without visible impurities
- Complies with even the most stringent environmental demands regarding plastic content
- Maximum utilization of the organic potential of the waste
- Rapid gas development
- Adjustable dry matter contents
- ETV certified process

Examples of pulp purity analysis

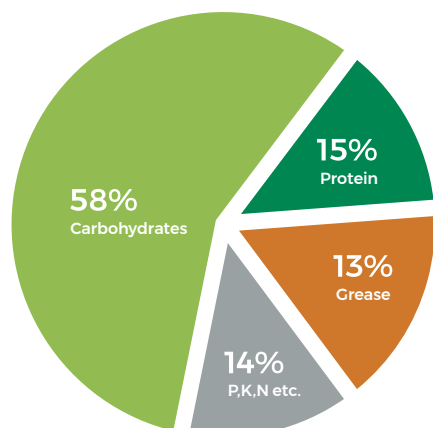
Impurities in pulp



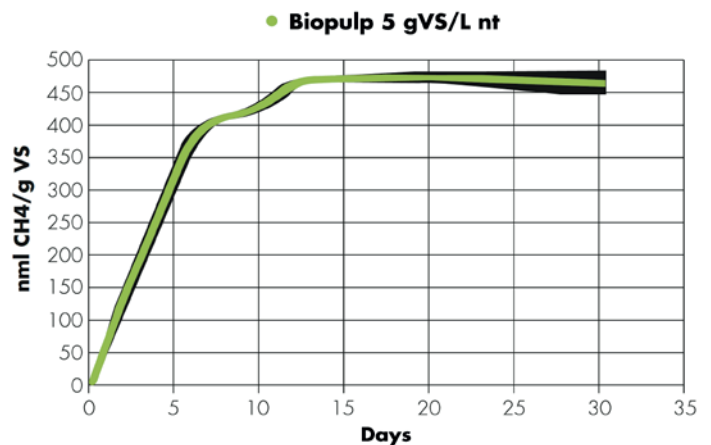
Heavy metals



Composition of TS fraction for KOD



Gas yield



ECOGI and the circular economy

At Gemidan Ecogi our focus is the continuous improvement of ECOGI so we can contribute to the sustainability of the world.

Therefore, the environmentally responsible processing of waste has always been top priority. Waste is not just waste to us. It is a precious resource, and we think it should be utilized for energy and returned to ecological circulation.

Throughout the development of the ECOGI technology, we have emphasized the importance of documenting

the purity of our pulp, through a comprehensive documentation and independent process analysis formally endorsed with ETV certification.

This purity carries through to the digestate produced following biogas generation. In our experience fertilizers produced from digestate, originating from ECOGI pulp, combine the highest physical purity with excellent nutrient value for un-rivalled use in agriculture or horticulture.

The result is a greener world.





ECOGI

leave behind a greener
world



Scan to see our
website!

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