



MARKET SEGMENTS

**Biogenic & Synthetic
Gaseous Fuels**

Biogenic & Synthetic Solid Fuels

District Heating Grid

Fossile Solid Fuels: Coal

B

BOOTH NO.

B04 Ingelia · Spain

Product: Hydrothermal Carbonization Industrial Plants

Turning biowaste into biomaterials

THE NEED. Organic waste is usually composted or digested, these processes imply high operating expenses (OPEX) and the compost produced does not comply with EU specifications in most cases. There is a need of new proven processes at industrial scale to deal with organic waste products.

THE SOLUTION. HTC Plants are able to treat organic wastes and turn them into hydrochar, reducing OPEX and GHG emissions. Organic waste is transformed into hydrochar for further applications in the bioeconomy. Ingelia provides HTC technology (engineering and equipment) to waste managers, municipalities and food and drink industries.

KEY FEATURES.

- Modular technology adapted to the quantity of waste available.
- Opportunities to develop new biomaterials from HTC products.
- Process speed: HTC process takes place in just 8 hours.
- Reduced Plant OPEX and CAPEX.
- Sustainable technology contributing to a circular economy.

VALUE PROPOSITION.

- Advanced developed technology to valorise organic waste.
- Automatised process, easy operation, odour free and low operating costs.
- Flexibility to operate and maintain plants, reduction of waste transport.
- Involvement of technology provider in the projects ensures that plants give their best performance.
- Project sustainability protects the environment and contributes to a circular economy.

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THE TEAM

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STRATEGIC PARTNERSHIPS/ CUSTOMER REFERENCES

CPL Industries Ltd. (UK)
ACEA Ambiente (Italy)

✓ **COMMERCIALISED**