Torr-Coal Group

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Commercialisation
Torr-Coal
torrefaction technology
Introduction

- Worldwide increasing demand for energy
- Increasing demand for sustainable energy
- Reduction of CO2
- Use of biomass
- Many biomass conversion technologies
Our answer

- Choice for torrefaction of a wide range of biomass.
- Development of a new process with
  - Use of existing machines to
  - Lower the present risks of an innovative process.
Our answer

- Start RDE in 2005
- First torrefaction of SRF
  - Worldwide patents
- Second torrefaction of woodchips
Start building first production line in July 2009 for the torrefaction of woodchips. Capacity input 76,000 t/y and output 35,000 t/y. In operation since October 2010. Permits for second line received.
Torrefaction process

- Pre-treatment
- Torrefaction
- Final treatment
Challenges in general

- Torrefaction unknown
- Legal framework
- Each country own regulations
- No common understanding of product, process and sustainability
- Supply chain raw materials
Challenges process

- Different types of raw materials
- Changing process conditions
- Hot spots
- Various requirements customers
Thank you for your attention
Contact

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