

# WASTE TO ENERGY FOR

# HEAT AND POWER INDUSTRY

## **Energetic valorization of wastes**

by their use as substrates for preparation of qualitatively stable, energetically efficient and environmentally friendly processed fuels is a key issue of modern waste management system.

Both, production and use of alternative, waste derived fuels (especially SRFs – solid recovered fuels) are an opportunity for efficient utilization of their energy. Additionally, the use of wastes as a fuel results in saving of fossil resources and increases the share of renewable energy in overall energy balance.



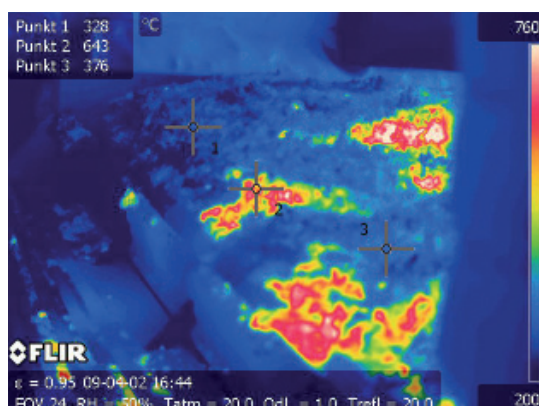
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## OFFER

- Quantitative analysis of waste derived fuels and substrates used for their preparation
- Researches on thermochemical conversion of wastes (firing, pyrolysis, gasification) in fixed bed reactors, fluidized bed reactors and rotary kiln together with their balancing, analysis of conversion products and their utilization pathways
- Evaluation of waste derived fuels preparation techniques (briquetting, pelletization)
- Preinvestment expertise on recovery of energy from wastes including evaluation of applied technology and apparatus and their assessment due to current legislation and regulations
- Market analysis due to availability of wastes at given localization of processing installation
- Energy and emission tests of firing/co-firing of wastes derived fuels at industrial installations with the use of mobile apparatus sets. The range of emission measurements corresponds to current regulations for fossil fuels, biomass and wastes
- Technical assessment of industrial installations due to their correspondence to requirements on thermal processing of wastes

## REFERENCJE

- **Waste derived fuels' producers:** REMONDIS SE & Co. KG, ALBA POLSKA Sp. z o.o., SITA Polska Sp. z o.o., Vattenfall Energy Trading Sp. z o.o.
- **Heat and Power producers:** HPP Wybrzeże, HPP Boruta Zgierz, CERGIA Toruń, PP Bełchatów
- **Public bodies, local governments, prosecutor offices, foundations and economic operators:** Ministry of Environment, RDOŚ Białystok, Municipal Council of Knurow, Prosecutor Office in Lubin, MPO Warszawa, PlasticEurope Poland, BUDMAX Polkowice



Combustion test of  
paper, carton and  
scraps pellets  
– slag temperature