

Bioenergy and Sustainable Technologies



Bundesministerium Digitalisierung und Wirtschaftsstandort 💳 Bundesministerium Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie

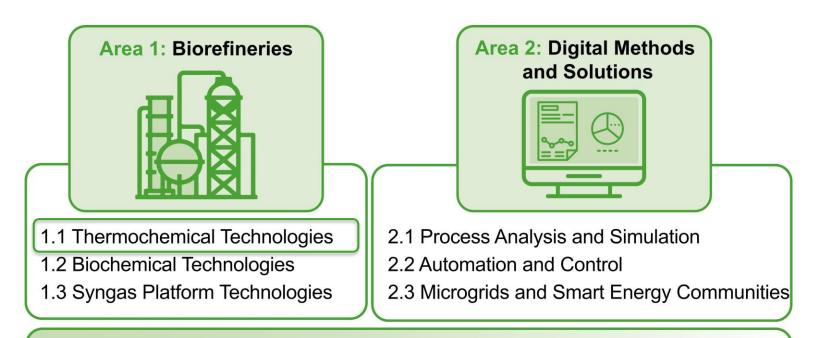
Für die Stadt Wien wirtschafts agentur wien





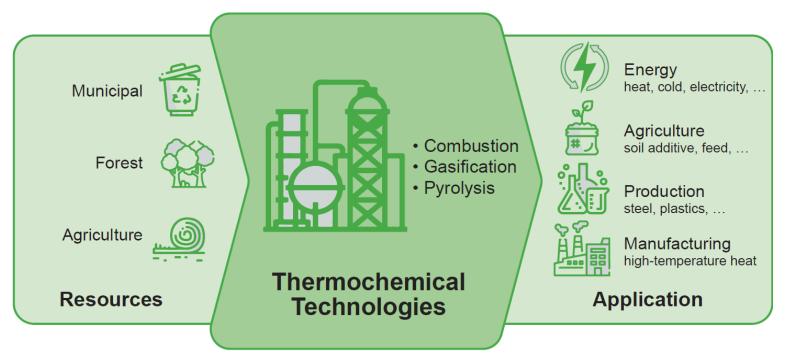
-> Wirtschaft, Tourismus, Regionen, Wissenschaft und Forschung





Area 3: Sustainable Supply and Value Cycles





Gasification for energy in industrial use



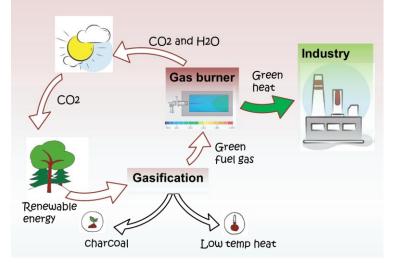
HORIZON-CL5-2022-D3-03-06: Efficient and low-emission technologies for industrial use of combustion and gasification systems from low-value biogenic residues and wastes

Optimising combustion of low-calorific gases

 Experimental development and CFD simulation to optimise energy efficiency, emission release and system integration of burner systems. We can provide also a test-stand for burners of lowcalorific gases.

High temperature energy by residue gasification

 Low calorific gas provision for brick burning at elevated temperature by gasification of residues. As co-product, biochar can be utilized as porosity aeration agent. We can provide pilot-test plants for gasification.



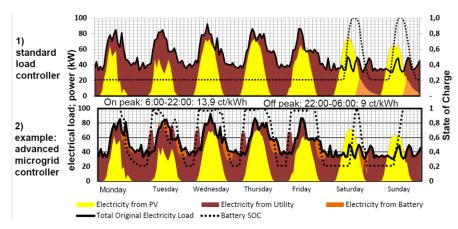
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Optimisation of microgrids and energy system integration

HORIZON-CL5-2022-D4-02-04: Smart-grid ready and smartnetwork ready buildings, acting as active utility nodes (Built4People)

 Microgrid Testlab - testing environment for building controllers

At our site in Wieselburg we have a unique testing environment for building and energy controllers, having installed PV, batteries, automotive refuelling, heating and cooling.



Contacts



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 \rightarrow check out our profile:

o https://energy-networking-event.b2match.io/participants/220