



IEA Bioenergy
Technology Collaboration Programme



Belgium Country Update

IEA Bioenergy T33 Meeting

Benjamin Berger

ECAM Brussels Engineering School

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State of bioenergy in Belgium

- Bioenergy and waste represent 8% of total energy consumption for approximately 2 Mtoe
- Biomass (mainly solid) represents 80% of renewable energies in heating
- Main biomass plants (direct combustion) are now closed in Belgium so biomass for electricity is really low at the moment

Project TTCogen

- End of year 1 of 4
- Gasifier from CMD (IT) expected to ship in January-February 2023
- Cogeneration engine expected from Cogengreen partner (BE) in January 2023
- First experimental campaign expected April 2023

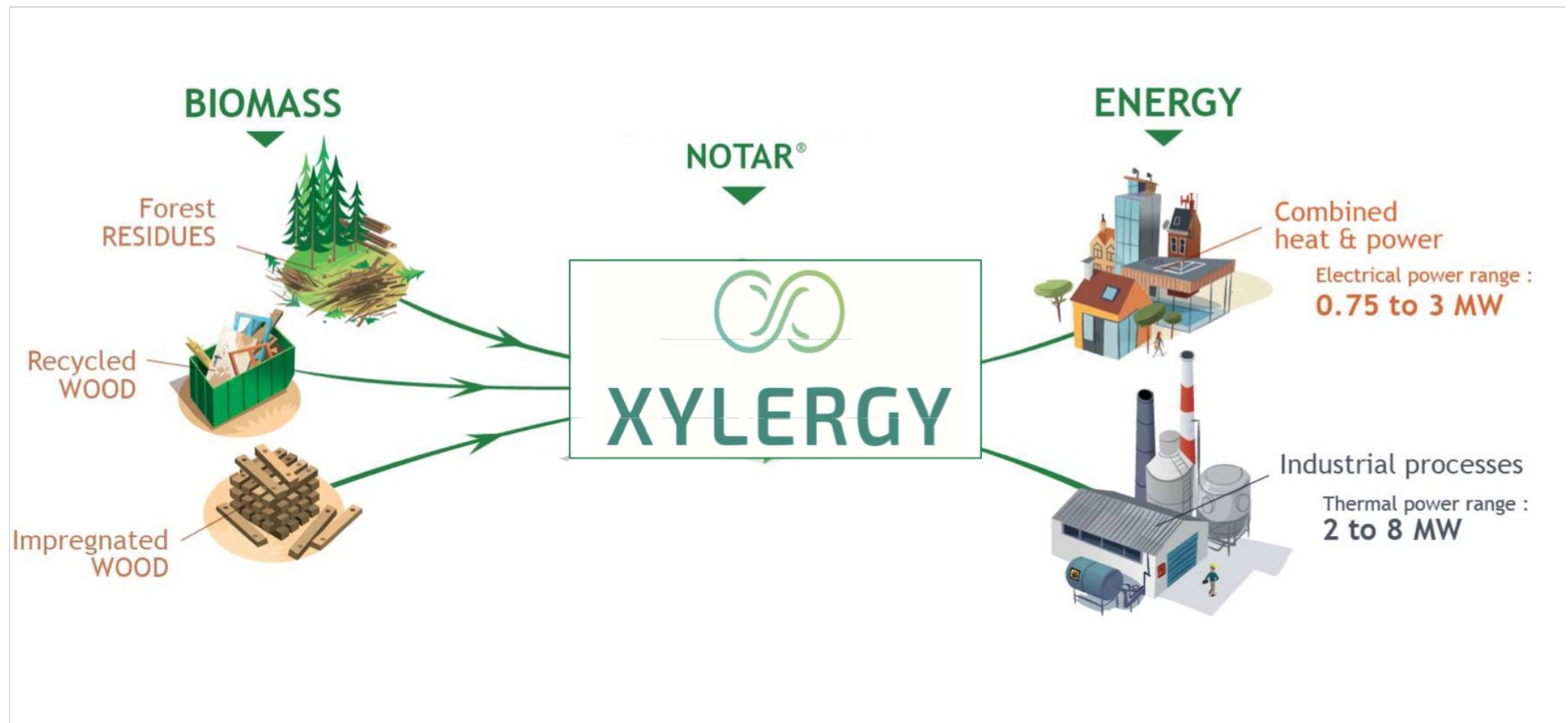
Enerbio

- Project from UCLouvain
- Gasifier from Xylergy with engine and auxiliaries
- Results of steam and oxygen enriched gasification presented during the workshop

Xylergy



New company that bought Xylowatt company & technology



BELGIUM – Mont-Godinne

First Belgian Hospital with Trigeneration renewable energy

Project Key Data	
Location	Mont-Godinne Hospital, Belgium
Owner	Mont Godinne Green Energy
Application	Combined Heat & Power for hospital energy consumption
Capacity	1.8 - 2 MW LHV 650 kW _e
Technology	NOTAR®
Feedstock	Woodchips
Commissioning	Q1-2018
Running hours	7000 oh/y



Japan – Matsumoto

First NOTAR® in Asia !

Project Key Data

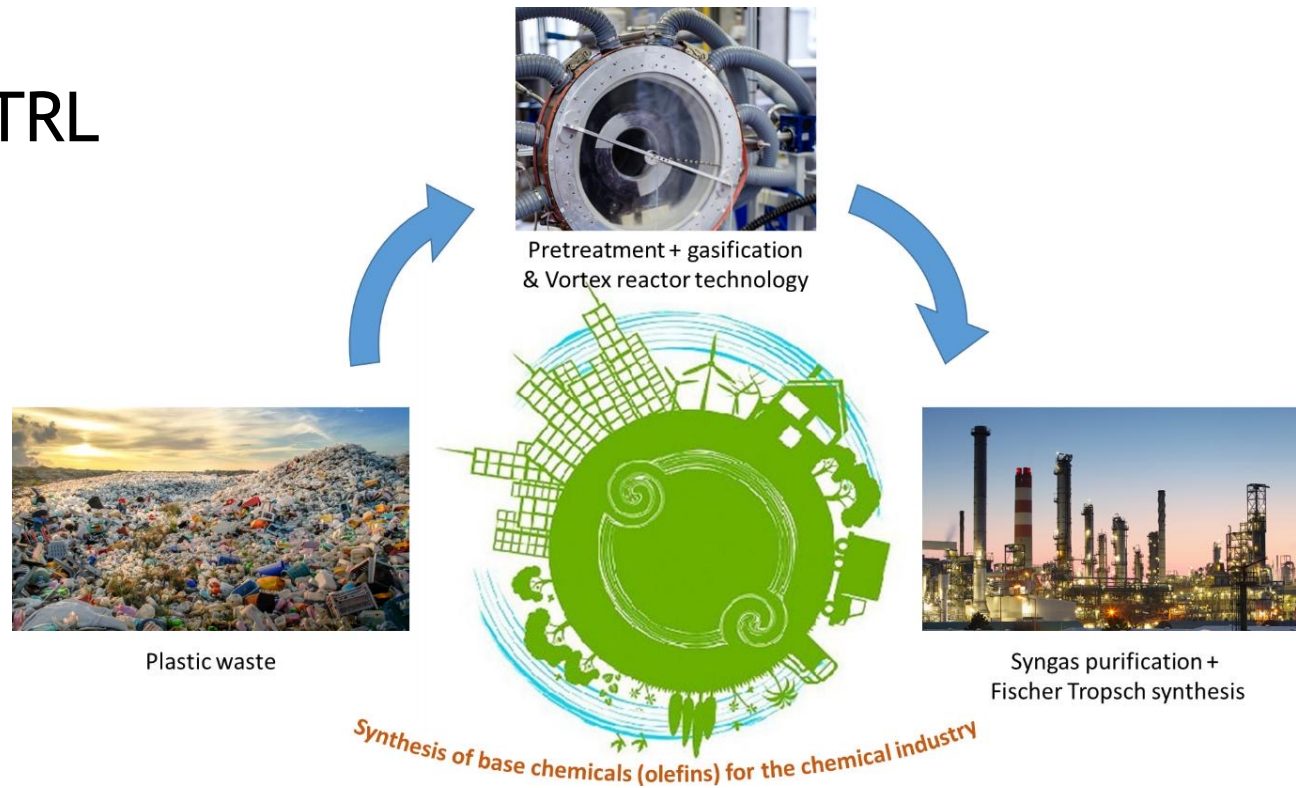
Location	Matsumoto, JAPAN
Owner	Air Water Inc
Application	Combined Heat & Power in a circular economy
Capacity	0,45 MW LHV 180 kWe
Technology	NOTAR®
Feedstock	Woodchips and Briquettes
Commissioning	Q3-2022
Running hours	-



- New company specialised in district heating
- District heating in Malenpré (South Belgium) using biomass boiler for heat production
- Study to extend the district heating network and add electricity production through Spanner Gasifiers
- Expected commissioning in 2023

Project Psyche

- Interreg project from Ugent - UCLouvain - Hauts de France
- Low TRL



Thank you for your attention

Benjamin Berger

brg@ecam.be



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