







Biomass to Energy

REFERENCES

- NOTAR® v.3: 2018 Mont-Godinne
- NOTAR® v.2 : 2015 Saint Gobain
- NOTAR® v.2 : 2009 Tournai
- Test Gasifier Plant: 2010 Louvain-la-Neuve

REFERENCES







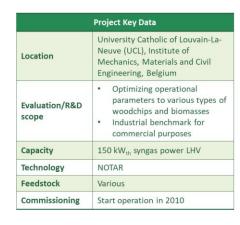


REFERENCES





	Project Key Data
Location	Mont-Godinne Hospital, Belgium
Owner	Special Purpose Vehicule (MGGE)
Application	Combined Heat & Power (Jenbacher J320S) for hospital energy consumption
Capacity	750kW _e + 1200kW _{heat} + 400kW _{Cold}
Technology	NOTAR v.3
Feedstock	Natural and recycled woodchips
Commissioning	Q1-2018







	Project Key Data
Location	Champagne Area (France)
Owner	Glass bottles manufacturer
Application	Direct use of syngas for fossil fuel substitution in industrial process
Capacity	950 kW _{th} syngas power
Technology	NOTAR v.2
Feedstock	Woodchips from vineyards pruning branches and obsolete vine stocks
Commissioning	Q1-2015

Project Key Data	
Location	Tournai, Belgium
Owner	Tournai City
Application	Combined Heat & Power (MTU G12) for swimming-pool energy consumption
Capacity	260kW _e + 475kW _{heat}
Technology	NOTAR v.2
Feedstock	Natural woodchips
Commissioning	Q4-2009





BELGIUM – Louvain-la-Neuve

TGP (Test gasifier Pilot)- Laboratory tool - R&D Center

Project Key Data	
Location	University Catholic of Louvain-La- Neuve (UCL), Institute of Mechanics, Materials and Civil Engineering, Belgium
Evaluation/R&D scope	 Optimizing operational parameters to various types of woodchips and biomasses Industrial benchmark for commercial purposes
Capacity	150 kW _{th} syngas power LHV
Technology	NOTAR
Feedstock	Various
Commissioning	Start operation in 2010



Optimising parameters

On site analysis

Several feedstocks

BELGIUM - Mont-Godinne

First Belgian Hospital with Trigeneration renewable energy

	Project Key Data
Location	Mont-Godinne Hospital, Belgium
Owner	Special Purpose Vehicule (MGGE)
Application	Combined Heat & Power (Jenbacher J320S) for hospital energy consumption
Capacity	750kW _e + 1200kW _{heat} + 400kW _{Cold}
Technology	NOTAR v.3
Feedstock	Natural and recycled woodchips
Commissioning	Q1-2018







BELGIUM -Tournai

Swimming-pool heated by wood energy

Project Key Data	
Location	Tournai, Belgium
Owner	Tournai City
Application	Combined Heat & Power (MTU G12) for swimming-pool energy consumption
Capacity	260kW _e + 475kW _{heat}
Technology	NOTAR v.2
Feedstock	Natural woodchips
Commissioning	Q4-2009







FRANCE- Glass bottle plant

Industrial kiln using renewable wood syngas

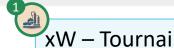
Project Key Data	
Location	Saint Gobain - Champagne Area (France)
Owner	Glass bottles manufacturer
Application	Direct use of syngas for fossil fuel substitution in industrial process
Capacity	950 kW _{th} syngas power
Technology	NOTAR v.2
Feedstock	Woodchips from vineyards pruning branches and obsolete vine stocks
Commissioning	Q1-2015







REFERENCES



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Transfert time

Tournai to Mont-Godinne : 1h15 Mont-Godinne to Brussels Airport: 1h05

xW Office to Tournai : 1h15 xW Office to Mont-Godinne : 0h45 xW Office to Brussels Airport : 0h20



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