

SYNGAS SOLUTION



Produce green electricity and heat, from fatal gas, synthesis gas, or process gas.

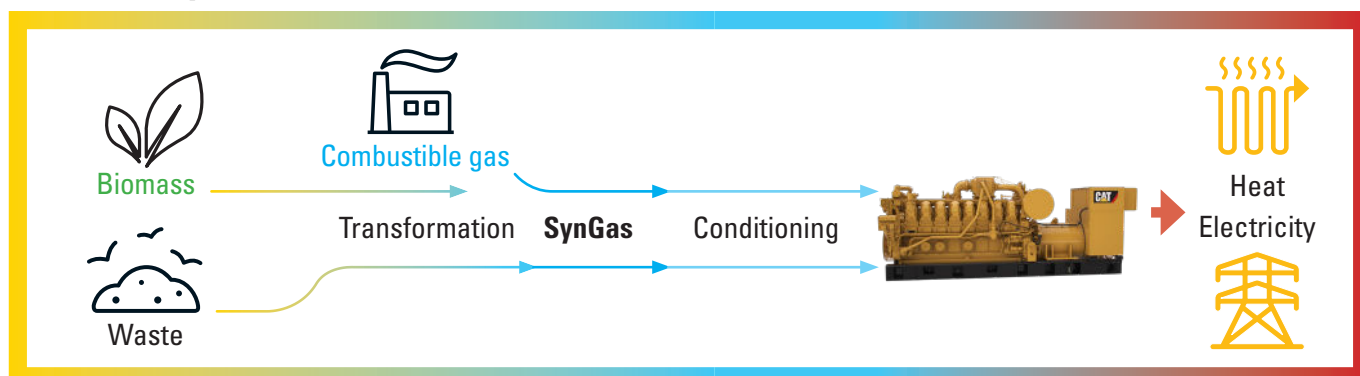
The reliable and secure solution

RELIABILITY, HIGH PERFORMANCE AND PROFITABILITY



Do you want to valorize biomass from RDF or CSR waste, or from a combustible gas (fatal gas, coke gas, blast furnace gas or gas from industrial processes)?

Conversion process



Eneria has more than 10 years of experience in the valorization of synthesis gases resulting from various technologies of gasifiers and purification. We offer you a proven, compact and energy-efficient turnkey solution, from the Caterpillar G3516A + generator set.



The advantages of our solution:



- Integration flexibility (in building or in container)



- 30% higher efficiency compared to conventional technologies



- Customized thermal production (hot water, steam, cold)



- A robust generator set compatible with any type of gas:
 - Very low LHV
 - High hydrogen content
 - High temperature, low pressure



- Validated and guaranteed performances



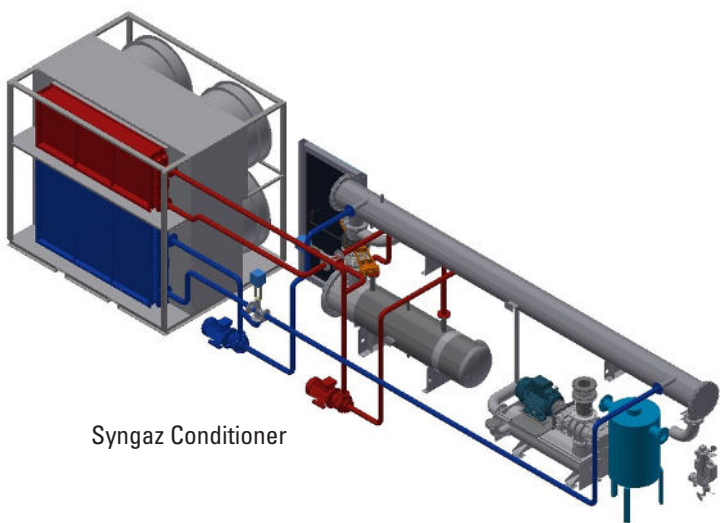
- Guaranteed maintenance plan

STAY SAFE WITH THE SYNBOX

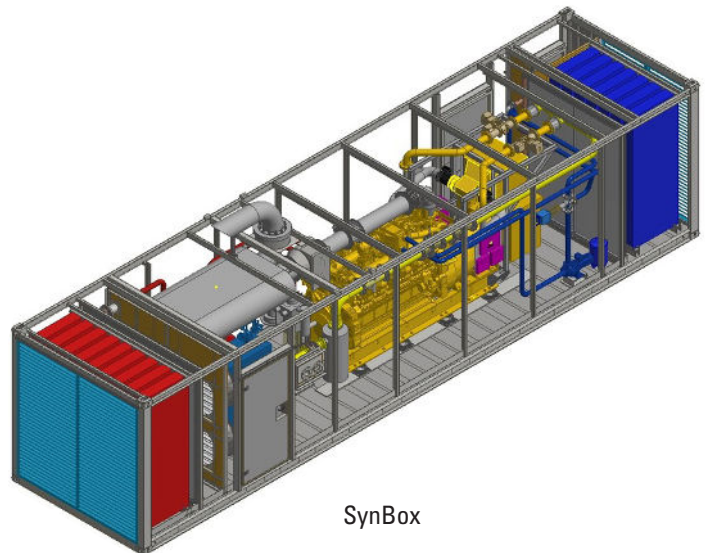
Any biomass development project requires the provision of guarantees, technical, financial and logistical validations to secure its feasibility.

Eneria offers you a mobile solution made up of 2 modules:

- the SynBox allows you to test and validate your synthesis gas in real conditions on your production site.
- the Syngas Conditioner collects your raw gas to cool it, dry it and compress it before injection into the SynBox.



Syngas Conditioner



SynBox



The advantages of SynBox and Syngas Conditioner seen by Ravi Vinayagam, our Syngas expert:

1 What can we test?

Any type of gas:

- Low LHV up to high detonation power
- Wide range of composition (CH₄, CO, H₂, ...)

2 What are the aims of Syngas Conditioner?

Cooling down ($T = 1000^{\circ}\text{C}$)

Drying (saturated gas accepted)

Compressing ($P < 0$)

3 What does the SynBox bring?

Feasibility test

Operating stability

Guaranteed performance report (production, efficiency)



4 What are the customer benefits?

Quickly mobilized

Quick on-site integration:

- No customer investment to condition the gas
 - Plug & Play solution
 - Test campaign in a few days
- Secures your investment and your partners

Our Service & Maintenance offer:



150 technicians dedicated to electricity production



Parts available 24 hours a day



Guaranteed performance over time



Maintenance cost guarantee



Guaranteed profitability for your investment



Customer portal for production monitoring



Hotline at your service:

0 801 821 010

Service & appel
gratuits



CONTACT

Do you want to improve your energy balance,
valorize your gas or test its combustion?

Let's talk about your project together:

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