

A young tree sapling with green leaves is growing out of a large, moss-covered log in a forest. The background is a dense forest with sunlight filtering through the trees.

CHARWOOD

ENERGY

Decarbonising energy production through **biomass**

Construction of
renewable energy
production units



Engineering Design	Construction Installation	Operation Maintenance
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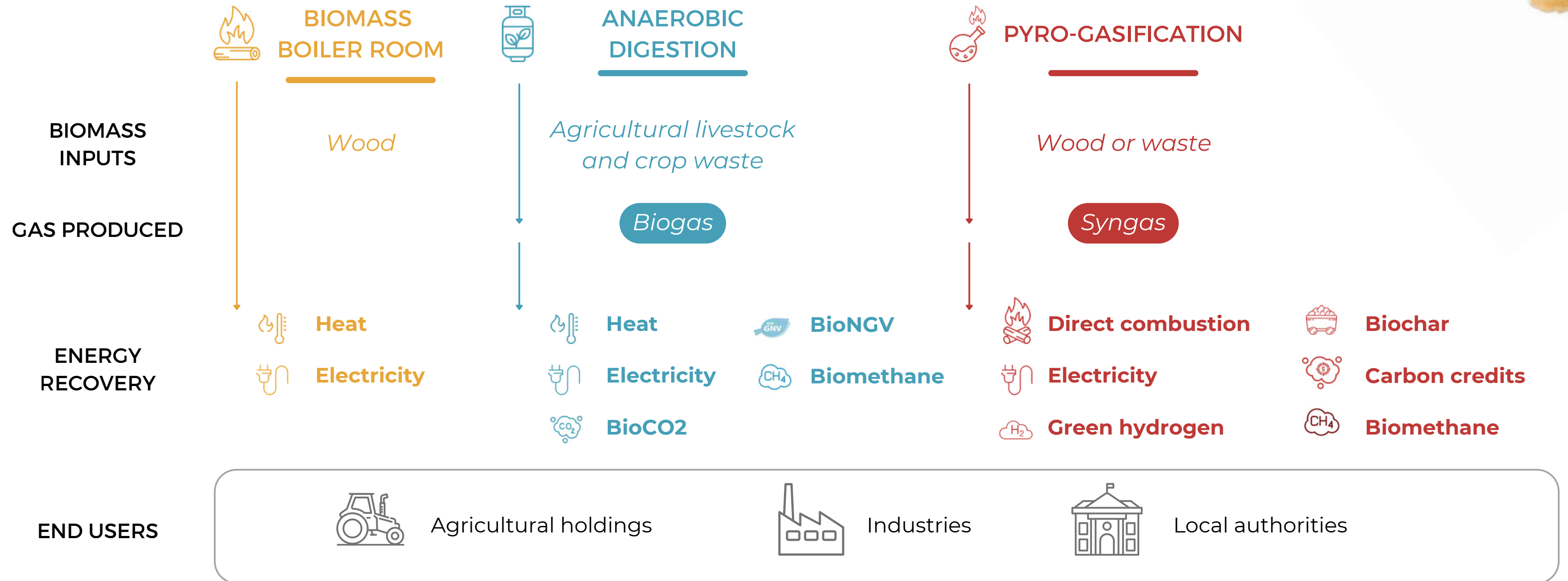
of Energy Solutions

Energy&+ is the EPC subsidiary of the Charwood Energy Group.

We design and build renewable energy production units for use by our industrial and agricultural customers and local authorities.

OUR AREAS OF EXPERTISE

COMPLEMENTARY TECHNOLOGIES



BIOMASS EXPERT FOR NEARLY 20 YEARS

145

projects in France
and internationally

07

sanitation
projects

45

biomass boiler
rooms

06

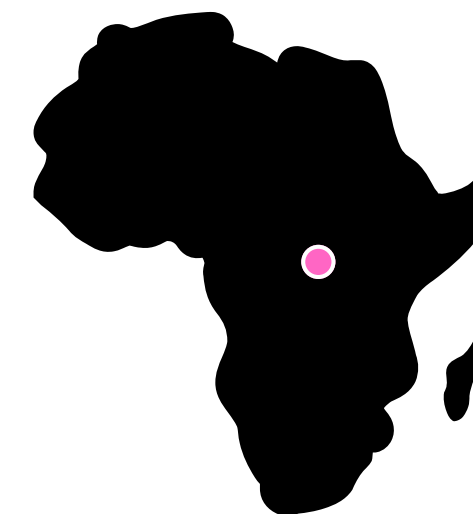
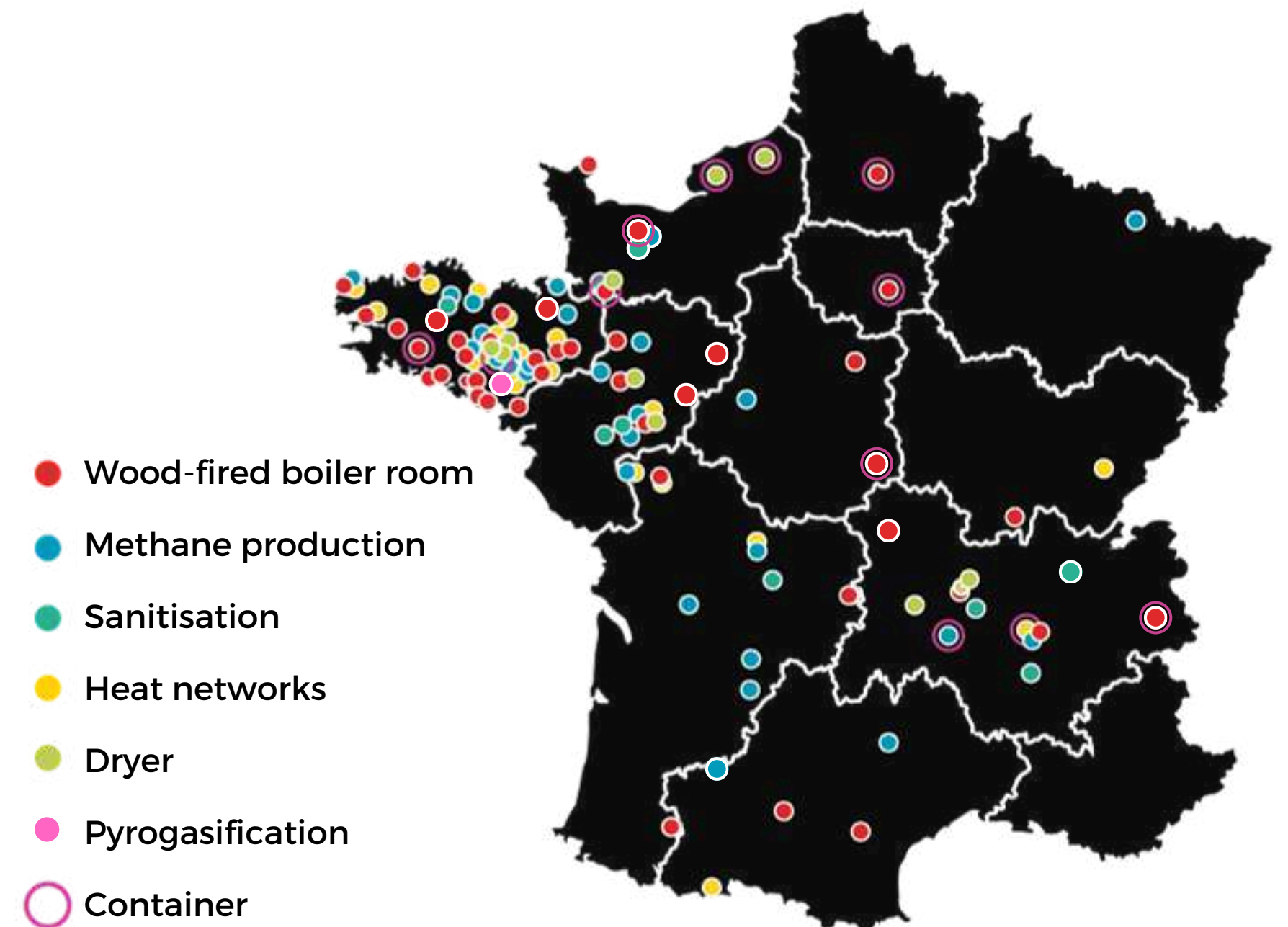
gasification units in
operation or under
development

38

anaerobic
digestion projects

40

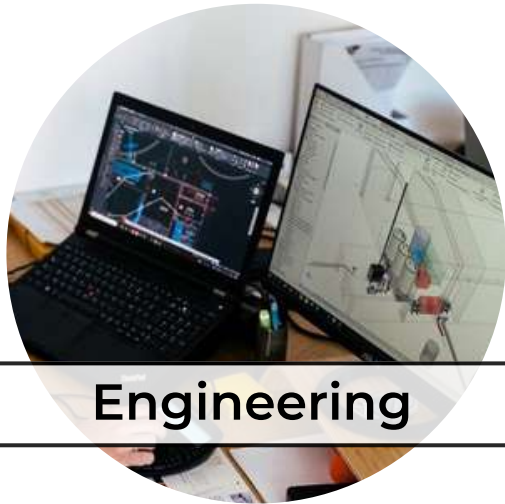
employees



Yangambi, DRC

OUR CRAFTS

IN-HOUSE EXPERTISE



Engineering



Piping and welding



Equipment manufacturing



Electricity



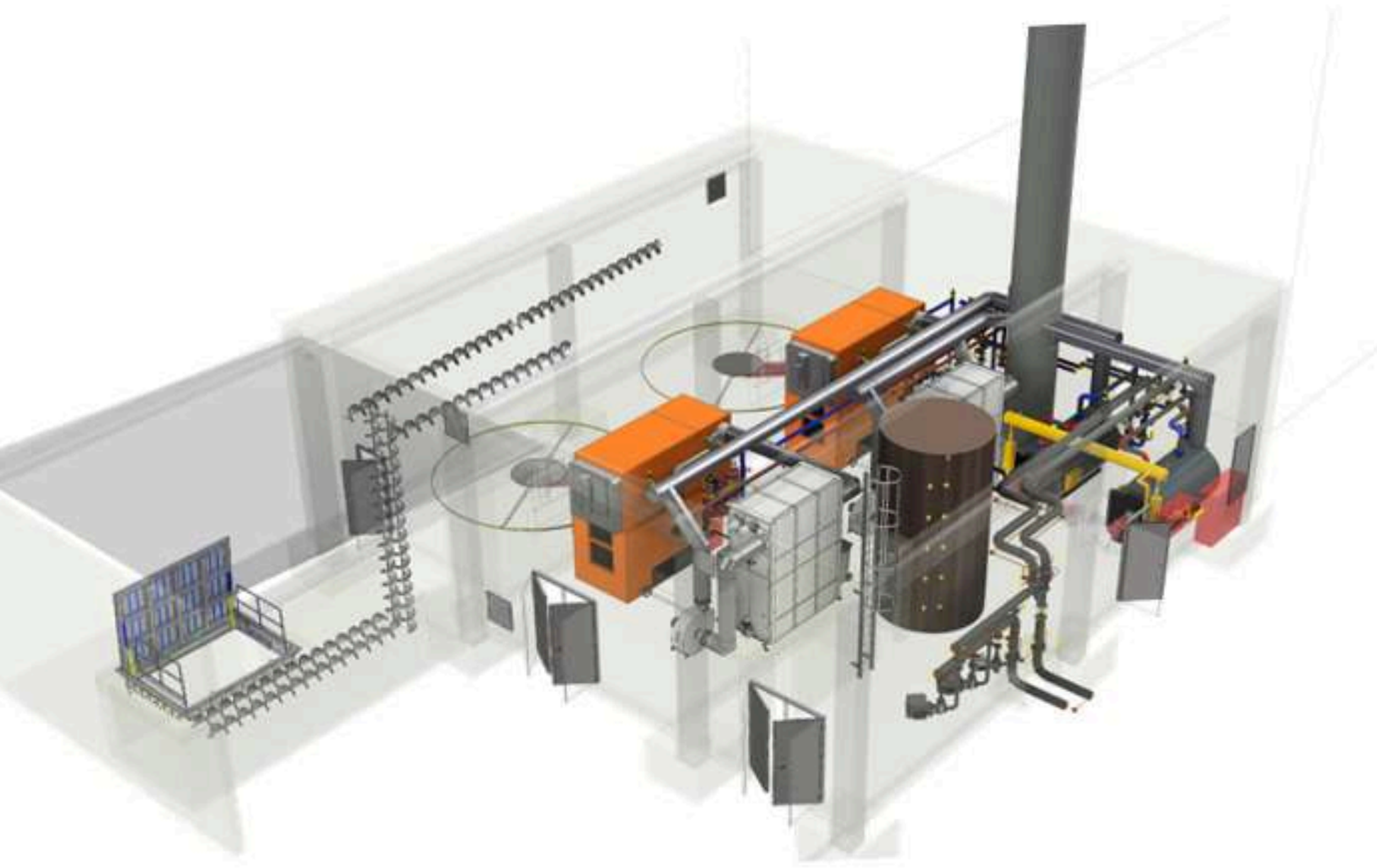
Prefabrication

A workshop covering more than 2,000 m² dedicated to prefabrication:

- 4 overhead travelling cranes
- Welding tables
- Laser cutting
- Dedicated team

BIOMASS BOILER ROOM

OUR EXPERTISE



We support farmers, manufacturers and local authorities with their biomass boiler projects, ranging from a few kW to several MW.

Our boilers can be delivered in shipping containers or concrete, or built using traditional construction methods depending on site constraints and customer preferences.

Our various areas of expertise enable us to support our customers throughout their projects, adapting to their needs:

- Engineering
- Equipment manufacturing
- Piping - welding
- Electrical work
- Prefabrication

BIOMASS BOILER ROOM

FROM 30KW TO SEVERAL MW

Traditional construction

Design and construction work

Building permits - Civil engineering - Biomass process - Heating network

Prefabricated construction

Plug & Play solution

Turnkey or biomass process

- Solutions for biomass delivery and storage
- Customised architectural integration
- Recognised technology partners



ALL ABOUT BIOGAS

METHANE PRODUCTION, SANITATION, BIOGAS
HEATING SYSTEMS...

Upgrades to anaerobic digestion plants

New projects and optimisation of existing facilities

Piping, connections, cogeneration, etc.

Design and construction of sanitation units

Recycling of agricultural waste, crops, etc.

Option to containerise the process and heat with gas or wood

Design and construction of biogas boiler rooms

From 100kW to 1MW

Biogas, propane, LNG, natural gas, mixed fuels



PYROGASIFICATION

OUR EXPERTISE

Units ranging from a few kW to several MW

Syngas production and biochar co-production

Electricity, heat, direct combustion, green hydrogen, biomethane

In France and internationally

Containerisation possible

Turnkey solution, training

- 6 units in operation or deployment
- Technology proven over more than 20 million hours



OUR REFERENCES

IN FRANCE AND INTERNATIONALLY

BIOMASS BOILER ROOM



ALL ABOUT BIOGAS



PYROGASIFICATION



LONG-TERM PARTNERSHIPS



MORE REFERENCES



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