

# OUR INSTALLED PLANTS



**2015**  
Biomass power plant for electricity generation  
Hyères, France  
Demonstrator  
Capacity: 550 kWth  
Fuel: green waste, wood waste



**2017**  
Biomass power plant producing heat, electricity  
Torrenova, Italy  
Customer: Waste industry  
Heating capacity : 2.5 MW  
Electrical power: 200 kW  
Fuel: woody fraction of green waste



**2018**  
Biomass power plant, electricity, heat and  
biochar  
Welshpool, United Kingdom  
Agricultural contractor  
Heating capacity: 750 kW  
Electrical capacity: 100 kW  
Fuel: woody fraction of green waste,  
agricultural residues



**2020**  
Biomass power plant combined with a dryer  
Finistère, France  
Customer: Agricultural contractor  
Capacity: 750 kWth  
Fuel: ground stumps, compost rejects  
Dried material: forestry chips, seaweed



**2023**  
Saint-Pierre, Reunion Island  
Dryer 1: 4 stages, RDF drying,  
Dryer 2: 5 stages, RDF drying,  
Dryer 3: 3 stages, drying of green waste

*Let's work together to make  
the world cleaner and more  
sustainable by converting local  
waste into low-carbon energy  
and sequestering CO<sub>2</sub>!*

Understanding our technology through video



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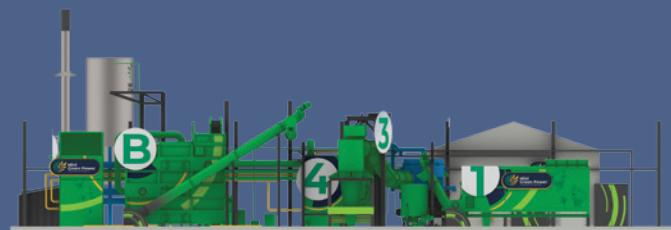
**Mini  
Green Power**  
Low carbon energy autonomy

*It has now become an urgent matter  
to value all renewable resources in  
a complementary and circular way.  
Our mission at Mini Green Power is to  
enable our customers to convert local  
waste into carbon-free energy which  
can be produced on demand. We  
are innovating to meet this mission.  
We substitute fossil energy with  
renewable energy and to sequester  
CO<sub>2</sub> through the production of  
biochar.*



**Jean Riodel,**  
Mini Green Power Co-founder and  
Chairman





## Our mission

To contribute to the environmental and energy transition by developing innovative technologies that convert non-recovered waste into clean energy.

## Our target

- > Industrial companies that generate waste or use energy
- > Local authorities

## Our values

Authenticity, Excellence

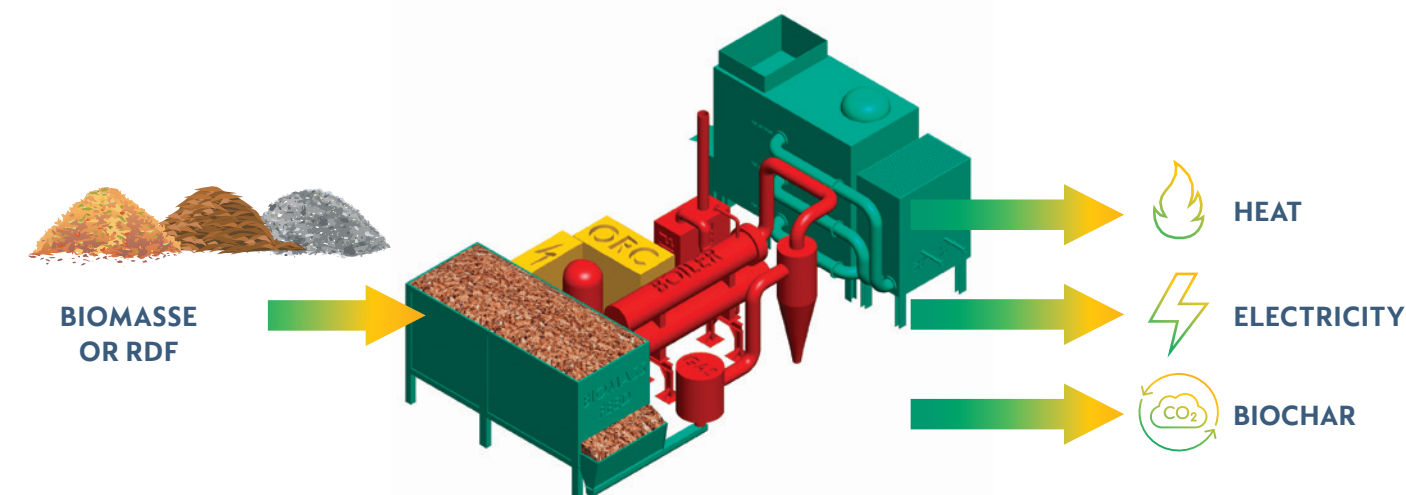
## Our commitment

To enable our customers to reduce their environmental footprint through a performant waste to energy + biochar transformation



## MINIGREEN POWER® & MINI GREEN PLANTS

Mini Green Power offers modular, demountable, autonomous and remotely controllable mini green power plants



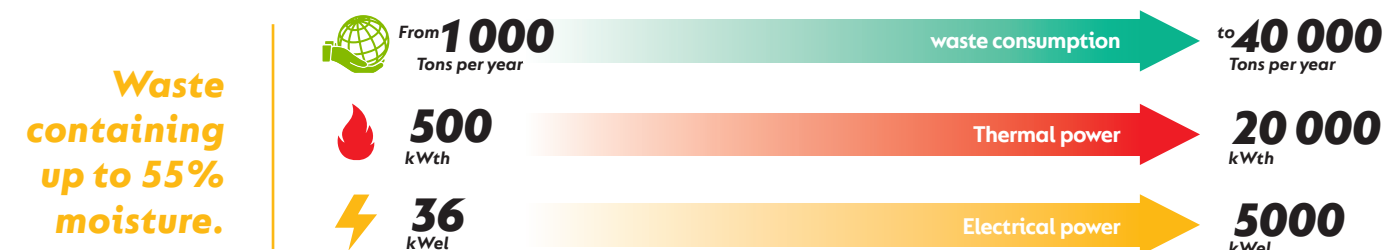
FOR THE END USER, IT MEANS GUARANTEED LONG TERM LOWER KWH PRICES THAN CONVENTIONAL BIOMASS OR RDF POWER PLANTS

**BIOMASS WASTE QUALITY**

MGP Mini Green Plants are the only automated biomass power plant which consume varying quality biomass and/ or B-wood residues.

**BIOMASS - RDF RANGE**

The only competitive proposal in the power range:  
1 MW to 20 MW LHV  
& 100 kWel to 5 MWel



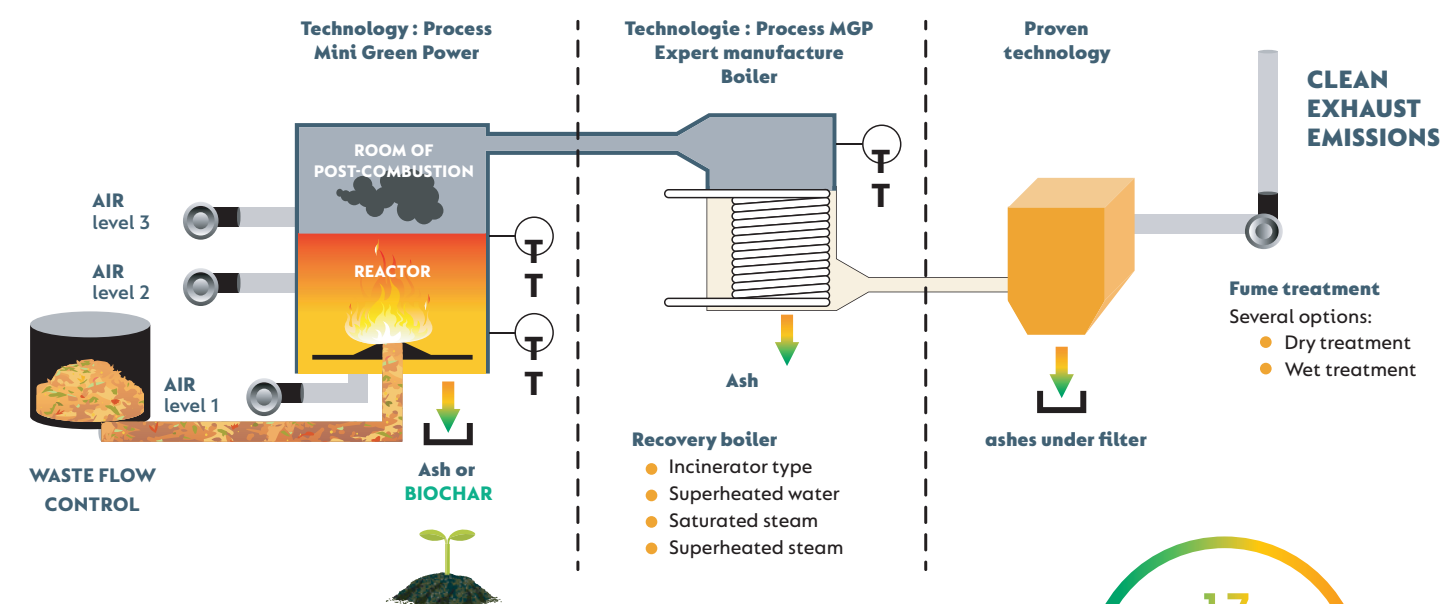
## BIOCHAR, A BIOLOGICAL COAL

Biochar, produced through the process of Mini Green Power plant, is a fantastic way of sequestering CO<sub>2</sub>.

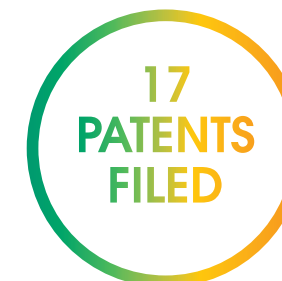
IT HAS NUMEROUS BENEFITS FOR AGRICULTURE AND CONSTRUCTION MATERIALS.



## SIMULTANEOUS PRODUCTION OF GREEN ENERGY AND BIOCHAR THANKS TO STAGED COMBUSTION PROCESS



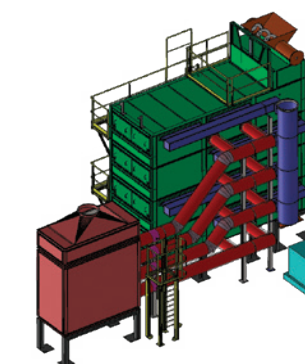
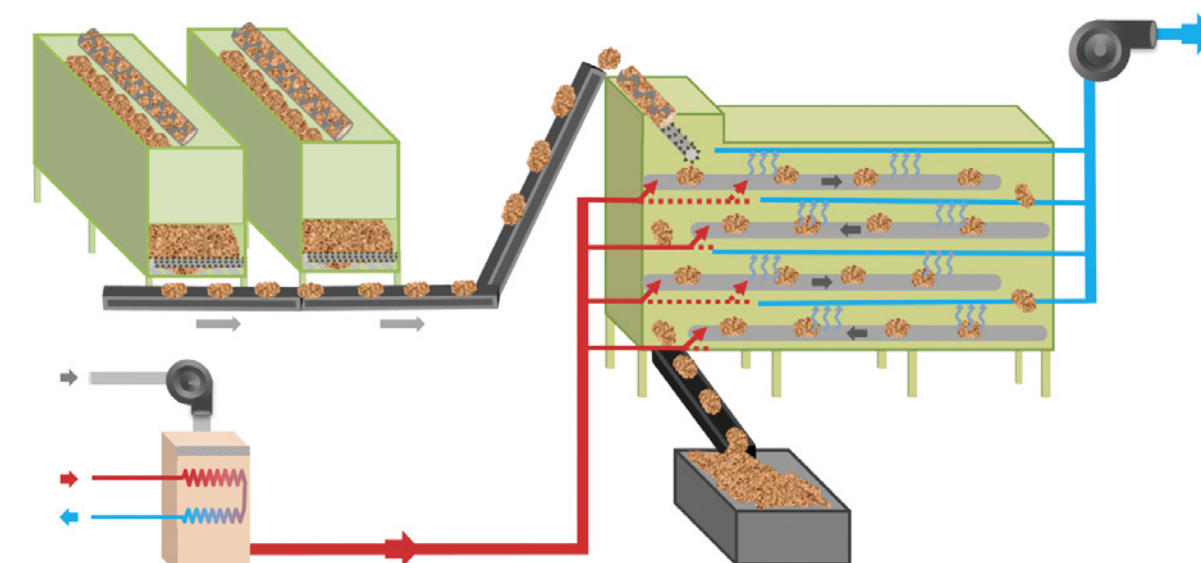
The biomass is converted into syngas in the gasifier. This gas is burnt in a post-combustion tube connected to a recovery boiler. The air produced at over 1000°C is used to produce heat, hot water, steam, cold or electricity.



## VERSATILE DRYERS

TO RECOVER WET MATERIALS

Mini Green Power also produces patented drying lines that can utilize the heat from its mini power plants. These dryers allow a wide variety of products to be dried (forest chips, agricultural products, RDF, sludge).



## 3 SUSTAINABLE SOLUTIONS TO AIM FOR LOW-CARBON ENERGY AUTONOMY



Green power plants for:

- > District heating networks
- > Generation of industrial steam, thermal oil, hot water and hot air
- > Electrical power generation

► ANNUAL OPERATION UP TO 8,000H/YEAR



Biochar production enables

- > Fixing and sequestering carbon
- > Restoring soil fertility
- > Retaining nutrients in water
- > Promoting the adhesion of materials
- > Manufacturing of more ecological cement.

► GOOD RELIABILITY OF TECHNOLOGY WITH 8000 H ANNUAL OPERATIONS



Dryers to reduce moisture and recycle the wettest waste

- > Products which can be dried : green waste, RDF, agricultural products, sludge, seaweed, etc.
- > Input: Product moisture content up to 80%.
- > At exit: moisture product can be below 10%
- > Product flow rates: up to 15m<sup>3</sup>/h

► THE MOST VERSATILE DRYERS ON THE MARKET, WITH THE SMALLEST FOOTPRINT

