

MINI GREEN POWER

One line pitch:

Created in June 2014, Mini Green Power builds high tech mini power plants turning green waste into electricity and heat.

Market Analysis:

The near future is a rebalanced energy mix, with ever more renewable energy. The European Union has set itself the goal of moving to 20% the share of renewable energy in the European energy mix in 2020 and France has just adopted an ambitious law on the energy transition, including reduced consumption of fossil fuels by 30% in 2030 compared to 2012. Mega projects based on fossil fuels, generate significant profits but do not benefit to man and the environment. Production plants generates huge problems of pollution, safety and significant energy losses by electricity transport. The future is clearly for small renewable energy plants.

Value proposition:

Mini Green Power builds high tech mini power plants turning green waste into electricity and heat. This clean technology uses local biomass resources to generate energy for local needs. Our competitive advantage: - Turnkey solution available in 6 months - Wide range of biomass from 10 to 55% of humidity - Small footprint (< 200m²) - Twice cleaner than plants of similar size - Smart & advanced control inducing a low operating cost (optimization based on data collected, remote control, change in parameters depending on the biomass...) - ROI < 5 years - Robust solution that has proved its value (>1300 operating hours)

Business Model:

Plant residues represent a cost to industry and communities. (50 to 150€/per ton for green waste) According to the desired power, the plant consumes between 2000 and 8000 tonnes of biomass annually in order to produce energy recoverable in several forms: - Heat - Electricity - Drying - Tailored solution Example for our smallest plant (550 kW) with heat recovery: 2 000 tons of biomass can produce 550 kW for 8000 hours. (550*8000= 4 400 MWh a year) 1) Avoided cost = 2 000 * 50 = 100 k€/year 2) Revenus = 4 400 000 * 0.06 (price of thermal kWh) = 264 k€/year

IP and Regulatory situation:

The gasification technology developed by Green Power Mini is very innovative by its compactness. This technology was developed with the participation of the CEA. Mini Green Power has filed three patents in France and Italy, with extensions worldwide. These patents relate to: - The combination of two heat generators (solar and biomass gasification) to achieve continuous production of electricity and heat - The gasifier technology working by pyrolysis with integrated burner - The combination of a gasifier/burner to a boiler and an ORC for the electricity and heat production ? We have been selected by the INPI for our proactive policy of patent and named "INPI talent 2015".



COMPANY PROFILE

- **Website:**
- **Field:**
- **Contact:**
PIGNAT Rodolphe
rodolphe.pignat@minigreenpower.com
- **Location:**
1446 Vieux chemin de Toulon
83400 Hyeres
France
- **Founded in:** //06/2014
- **Employees:** 15
- **Financial information (€):**
 - **Company stage:**
Pilot Phase
 - **Capital raised to date:**
1.9 M€
 - **Monthly burn rate:**
150 k€
 - **Capital seeking and date:**
2.5 M€by end 2016
- **Investors:**
85 private persons (move money)