

Date : 08/05/2017	FICHE DE POSTE : <b>Docteur R&amp;D</b>	 <b>Mini Green Power</b> <small>L'autonomie énergétique bas carbone</small>
Réf : SM-Q-01-01-03		

**Revision date:** 22/03/2024

**Organisation chart:** reports to the Technical Director

**About Mini Green Power :**

Mini Green Power's mission is to offer its customers clean, low-carbon energy by developing mini green power plants that convert biomass and RDF waste into heat and electricity.

Mini Green Power (MGP) is at the crossroads of several technologies: staged combustion of biomass and waste, drying of various agricultural products or fuels and digital technology.  
<http://www.minigreenpower.com>

**Job description:** Doctor R&D

Profile sought: Young doctor looking for first permanent contract to qualify for CIR funding

**Main activities :**

- **R&D strategy**
  - Follow-up of the R&D strategy defined by the Technical Director and validated by Management.
- **R&D Projets :**
  - Monitoring R&D projects
  - Main topics: staged combustion, CO2 capture, thermal processes, pyrolysis, gasification, CSR, waste, oxycombustion, etc.

**Industrial property :**

- Drafting, filing and monitoring of patents filed
- Drafting of the company's R&D doctrines
- Lead on patent filing projects

- **Design notes**
  - Drafting of design notes for R&D-oriented projects
- **Capitalising on know-how**
  - Development of calculation and design tools.
  - Maintaining the network structure for design tools
  - Participation in the formalisation of Mini Green Power know-how.
- **Technology watch / Knowledge capitalisation**
  - Setting up technical reference documentation on the main subjects relating to MGP's know-how

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o Technology watch on the main subjects

**Specific activities: list of current R&D projects (to be coordinated)**

- **Administrative / Regulatory**
  - Regulatory monitoring of MGP installations
  - Participating in applications for Research Tax Credit funding or other innovation funding mechanisms
- **Demonstrator tests :**
  - Monitoring of HT gas trials
  - Monitoring tests on customer demonstrators.
- **OHS document :**
  - Taking account of process safety in the design of new products.

**Skills required :**

- ✓ Doctorate validated by a university degree
- ✓ Process Engineer
- ✓ Knowledge of ICPE regulations
- ✓ First permanent contract to be eligible for the CIR

**Personal skills required:**

- ✓ Ability to manage a team
- ✓ High level of technical rigour
- ✓ Intellectual curiosity