

## Process Operator: Job Description

### Introduction

Pyrolysis is the core technology used at Waste4ME for waste streams valorization; it is defined as a thermo-chemical treatment, which can be applied to any organic (carbon-based) product. During pyrolysis, material is exposed to high temperature, in the absence of oxygen, and is submitted to chemical and physical separation into different molecules. At our company Waste4ME BV we have developed a prototype pyrolysis system for waste reduction and energy generation at a local or small scale focusing on plastics waste streams.

Waste4ME aims at building strong basis for the processing of specific mono/mixed waste plastics streams and our current pyrolysis setup acts as a proof of concept in the field of waste reduction, energy and chemical recovery.



### Your tasks:

As a process operator working for Waste4ME, controlling and monitoring our pyrolysis facility in accordance with safety, quality and environmental requirements. Also, Checking, operating and adjusting the processes parameters if of crucial importance in the scope of maintaining the desired pyrolytic conditions of our Waste-to-energy recovery (WER) system.

Since our system is a recent creation from Waste4ME, various issues linked to a continuous use are still possible and thus we need a skilled person who can run safety and inspection rounds in order to identify and resolve these deviations. That is why your task is to ensure the proper functioning of the equipment used by Waste4ME, including first line maintenance.

Finally, reaching perfect continuous operating conditions and proving the robustness of our system comes down to a crucial communication with the Waste4ME team. Therefore, part of your tasks will consist in consulting with your colleagues in order to improve and optimize the pyrolysis processes.

### Profile Requirements

- Dutch or international with an interest in circular economy
- Ability to express yourself clearly, correctly and to the point in the English language is a plus
- You have a process operator (level A or B) diploma or an LBO/MBO degree in (process) technology.
- You have insight and you are driven to understand and optimize the WER system and associated processes;
- You are in possession of a VCA certificate, a forklift truck certificate, and a terminal tractor certificate is a plus.

As a general guidance, we are looking for an enthusiastic new colleague to strengthen our team. As an All-round Operator you are responsible for executing, controlling and handling processes. You are able to work independently as well as in a team.

### Schedule and future prospect

We have one unit, located in Moerdijk and part of the Pyrolysis Pilot Garden project “OP-Zuid Pyrolyze Proeftuin”, which will have its busy periods. As an All-round Operator you are the flying keep between the team members, be it technical, legal or market oriented. Your timetable will of course be prepared in good consultation, as Waste4ME plans on marketing its units in a close future.

We offer varied work, a pleasant working atmosphere in a challenging environment, good learning opportunities and good working conditions.

### Contact Details

If you are interested, send your cv and motivation letter, or even better accompanied with your first idea on how to approach the subject, to project manager Christiaan Huibregtse at [c.a.huibregtse@waste4me.com](mailto:c.a.huibregtse@waste4me.com).

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