

Internship / graduation: technology market scout

About Waste4ME BV

The company Waste4ME positions itself at the intersection of different industries. Waste4ME is pioneering the plastic recycling industry by giving previously incinerated plastic waste a second life. Our company turns a global environmental problem into low-carbon products and valuable petrochemical products. Our solution is chemical recycling by pyrolysis in which we turn the long molecules of plastics into short molecules. Our WER unit is a waste management tool based on pyrolysis technology. It is designed for tackling waste, where mechanical recycling is not feasible. The cracked plastics will be turned into form of oil and gas back to the petrochemical industry as circular oils and gases.

Waste4ME is deploying a 35.000 ton per year plant and will on the same location setup the continuous R&D location for improving the overall efficiency, maintain and improve market position and market suitability of the total process.

Internship or graduation assignment description

In the process from waste in to on specification oil and gas out there are a large amount of technical challenges for which we defined the categories of improvement. E.g. the input waste contains Chlorine in 1 to 2 wt% and the Chlorine in the produced oil should contain about 1000 times less in order to make it sellable. Other pollutants are in the same range. Gas separation into high value molecules and energy value is an area of interest. Several technologies are available, in development or can be developed. The internship or graduation position is to research the market position of Waste4ME when certain technologies are included or developed. This potential market position gives the reasoning for Waste4ME to either pursue or not to pursue a technology for deployment. Technologies range from laboratory, waste measurement, oil upgrading, gas separation, catalytic processes, power plants and more.

Graduation tasks:

- Researching into the market position for a technology to be applied.
- Setup verification protocol how market position can be verified
- Analyse the requirements for market implementation
- Align with our specialists on Life Cycle Analysis for determining the potential environmental impact

Working at Waste4ME

As you gain knowledge and experience in different sectors you can grow within the company. Our team mentality is straightforward and product oriented. You have the freedom to plan your work and set your own milestones in line with the company goals. Additionally, if you want to suggest a different topic and you think you can add value: make a proposal including milestones and catch our attention. We are a growing company and are looking for people with ideas and the mentality to execute selected ideas.

Position requirements

For the position are we looking for the following background:

- HBO or WO in Technology management or commercial with affinity for technology with corresponsive level of thinking
- English of sufficient level for communicating within the company in a clear manner

Good to have

For the practical execution of the work and filling in with the team do we have additional wishes that can give you a higher probability of being selected:

- Knowledge or experience of the waste sector
- Experience in setting up logical systems

Reimbursement

Reimbursement is € 400 per month (excluding expenses) depending on candidate's qualifications.

Working Hours

40 hours per week (Negotiable)

Contact

If you are interested, send your application with cv and motivation or even better with your first idea how to approach to Vincent R. Toepoel at v.r.toepoel@waste4me.com or by phone on +31616600377.