

Database designer and administrator

Internship or graduation assignment description

The database specialist design, implement, update, modify, and maintain the system he/she put in place to meet the needs of Waste4ME. They consult with other management employees to discuss computer equipment purchases such as hardware and determine requirements for various software programs. They might also direct training of personnel who use company databases regularly.

Waste4ME performs regular analysis on the pyrolysis input and output (several waste streams in and pyrolytic oil, gas and char out) plus loads of operating parameters from different subsystems and thus needs a database system in order for the team to be able to find data quickly and efficiently. Therefore, the focus is set on a database design that is usable and safe for the company's specific database application or a set of applications.

In summary, the person we are looking for will have a knowledge of database principles and how they apply to the real world. You will be designing and building database systems that are highly available and must be confident within all stages of our business, from initial requirements analysis, data modelling and as a great optional asset, through to automated reporting from compiled and selected data.

Graduation tasks:

- Database design choice (software and application) to fit pyrolysis output analysis
- Database implementation and testing for fitting into Waste4ME's activities
- Gather and improve data system based on Waste4ME's collected data
- Optionally (but strongly appreciated), automated reporting based on the selected data from the newly designed database (Vincent: why not a requirement?)
- Train and explain about the database developed by the intern

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 also allows implementing sustainable waste disposal techniques and bridge intermittent energy supply in remote locations. WER unit (waste reducer energy generator) is a mobile waste management tool based on pyrolysis technology. It is designed for tackling waste, where recycling is not feasible and where waste disposal is an issue. Thanks to its mobile nature, WER allows to avoid transport costs, electricity cost, gas boiler cost and gas for a boiler.

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 we are looking for the following background:

- HBO level or equivalent educational background/experience in a relevant field
- Good math skills
- Ability to work with many variables at once
- Interest for understanding the organization's objectives
- Working in English

Good to have

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

- Knowledge about chemistry or waste industry
- Familiar with topics related to the petrochemical industry and renewable energies
- Has heard about the pyrolysis technology

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 Valentin Contin on v.contin@waste4me.com or by phone on 0614321871.