

Company: Fiberight Ltd (www.fiberight.com)

Company Description: Fiberight have created a circular economy solution to generate value-added products from municipal solids waste (MSW). The process involves thermo-mechanically treating the waste to recover 2 main fractions: recyclables and biomass. This biomass is then further processed to generate a soluble organic stream for anaerobic digestion (AD); and a clean solid lignocellulose fibre (paper pulp) which is converted to platform-sugars via enzyme hydrolysis. All bio outputs are used as chemical building blocks in the production of higher value-added products such as bio-resins, bio-coatings, bio-plastics, biofuels and bioenergy.

Job Description: Applications are invited for the position of Researcher and Development Engineer with Fiberight Ltd. The job will involve the daily running of a small scale pilot facility for the production of bio-based products from Municipal Solid Waste (MSW). This pilot plant will be set up to run as part of a collaborative Innovate_UK funded project in conjunction with the University of Southampton.

Specifically, the role involves thermomechanically processing and washing of the waste to attain recyclables and biomass. The biomass will then be further processed to obtain a clean fibre steam and an organic rich liquid stream. These materials will be used to run an enzyme hydrolysis reactor and an anaerobic digester under various testing conditions. Amongst other duties the person will be required to carry out standard lab analysis such as; pH, COD, gas production, TS/VS, and sugar analysis.

Person Requirements:

- Undergraduate degree in one of the following disciplines; Civil Engineering, Environmental Engineering, Chemical Engineering, Mechanical Engineering or Similar
- Self-motivated
- Ability to work independently
- Flexible
- Willingness to work with dirty feedstocks
- Problem solving ability
- Ability to troubleshoot mechanical equipment
- EU/UK citizen or visa rights to work in the UK
- Laboratory / Engineering experience (preferable but not necessary)
- Manual driving licence (preferable but not necessary)

Dates: Applications are open until the 1st of July 2016. Interviews will take place during July and the role will commence on the 1st of August 2016.

Salary: £23,000 - £30,000 p.a (remuneration dependant on experience)

Contract Length: 12 month initial contract

Location: Southampton

Application: Formal applications consisting of a covering letter and CV are to be sent by email to Dr Dhivya Puri (dhivyapuri@fiberight.co.uk) with the email subject ‘{your name}: R&D Engineer Application’.

Informal enquiries are also welcome.