



## JOB DESCRIPTION

**COMPANY:** BioFactory Ltd  
**LOCATION:** Bath, UK  
**SECTORS:** CleanTech & AgriTech

BioFactory is an engineering and design company focusing on waste-to-energy technology, tackling some of the world's toughest environmental problems by creating low-cost, commercially viable solutions through robust design and manufacturing excellence. The company specialises in the utilisation of Anaerobic Digestion (AD) on micro-scale applications. By reducing system costs, BioFactory increases the accessibility of the technology's benefits, such as decreased environmental impact and operational cost savings, to a wider customer-base.

**JOB TITLE:** GRADUATE AD DESIGN ENGINEER

**RELATIONSHIPS:** Internal: Reporting to CEO  
External: Directors / Owners / Management Customers and Suppliers

### SCOPE & PURPOSE:

- Support the Engineering team in design and build of prototype systems
- Research and further the Company's AD knowledge, disseminate findings to engineering team.
- Operate and improving working prototype systems.

### RESPONSIBILITIES/TASKS:

#### Technical

- Working as part of the Engineering team to design innovative prototype micro-AD systems.
- Support the Engineering lead in planning and executing the complete manufacture of designed systems – internally or outsourced.
- Construction, modification, and assembly of prototype systems.
- Collaborate with key suppliers in the manufacture of prototype systems.
- Deploy and operate demonstrator systems.
- Participate in HAZID, HAZOP and DSEAR efforts for new designs and changes to existing designs.



- Assist the Company in the implementation of Engineering best practices.
- Ensure ongoing compliance with all relevant legislation.

#### Managerial

- Support Directors in introducing new company processes to improve efficiency and reduce risk in R&D.
- Future scope for line management and oversight of:
  - Engineering Team

#### **The Successful Applicant:**

- Has experience or understanding in design/manufacture of AD systems, requiring a fundamental technical knowledge of the Anaerobic Digestion process.
- Experience in the AD industry is an advantage.
- Experience prototyping with microcontroller based systems (e.g. Arduino, Raspberry Pi, Adafruit)
- Knowledge of safe design is preferential e.g. ATEX/DSEAR.
- Is able to work unsupervised and prioritise work to achieve project plan targets.
- Has an understanding of the challenges faced by an SME / start-up organisation, and the need for strong troubleshooting skills and decision making capabilities.
- Willing and able to travel within the UK and overseas as needed (occasionally for extended periods).
- Is comfortable working as part of a small, agile team.

#### **Behavioural Capabilities:**

- Has genuine passion for our products and company vision.
- Determined self-starter, who enjoys a challenge.
- Team player, sharing know-how to build on the strengths of others.
- Mucks in. Sometimes a job needs doing outside your immediate role.
- Good under pressure; well organised, meets deadlines; prioritises successfully
- Inspires innovation within the team (maybe over a good brew).

Permanent right to work in the UK.

Valid driver's license, safe driving record.

#### **CONTACT INFORMATION:**

For interested applicants, please send a covering letter and CV to [info@biofactory.energy](mailto:info@biofactory.energy)

Website: <https://biofactory.energy>