



## **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.

BioFactory is looking to recruit a passionate and entrepreneurial senior engineer with experience in the design of AD systems to lead its engineering team in the complete development of a design from concept design through prototype development and on to commercial manufacturing. BioFactory is expanding its inhouse skill-base and is recruiting likeminded individuals to lead the rapid development of commercial systems.

**JOB TITLE:** SENIOR AD DESIGN ENGINEER

**RELATIONSHIPS:**

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

**SCOPE & PURPOSE:**

- Lead the Engineering team in design and build of prototype systems
- Bring AD knowledge, experience & insight to engineering team through development of junior engineers.
- Support Directors to build-out well rounded technical team.

**RESPONSIBILITIES/TASKS:**

Technical

- Coordinate and lead the Engineering team through full design of innovative prototype micro-AD systems on rapid timescales - e.g. taking a simple core system design through to a deployed prototype in under a year.
- Collaborate with key suppliers in the manufacture of prototype and commercial systems.
- Work with the Company to identify further product development opportunities and deliver new and innovative R&D projects.



- Participate in HAZID, HAZOP and DSEAR efforts for new designs and changes to existing designs.
- Assist the Company in the development and implementation of Engineering best practices and procedures.

#### Managerial

- Support Directors to building the engineering team by identifying skill gaps and working with HR through candidate selection.
- 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 (optional)

#### The Successful Applicant:

- Experienced engineer in design/manufacture of AD systems, requiring a well-rounded technical knowledge of the Anaerobic Digestion process.
- Minimum 4 years experience in AD industry, however exceptions can be made for outstanding candidates.
- Commercial knowledge of the AD industry is desirable.
- Knowledge of safe design (within ATEX environment).
- 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.
- Is comfortable prototyping with microcontroller based systems (e.g. Arduino, Raspberry Pi, Adafruit) and PLCs - experience in this is useful.
- 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>