



## Process Engineer Job description

**Type of contract:** Full-time

**Start Date:** ASAP

**Location:** United Kingdom (location TBC), Hybrid (remote/onsite)

**Salary:** £38k+, depending on experience

**Benefits:** Share options, 30 days of annual leave, Employee Assistance Program, allocation of funding for internal learning and development.

Interested in pushing the boundaries of materials and engineering whilst mitigating climate change? Are you innovative, entrepreneurial and keen to contribute to the development of environmentally positive, circular life-cycle packaging and sustainable foods and “foods as medicine”?

We have an exciting new opportunity for an Engineer to join our innovative high-growth company developing products from sustainably farmed seaweed. This role would be suitable for an Electrical, Chemical or Process Engineer with experience ideally in a food, chemical processing and/or bio-refining environment, seeking a challenge in an emerging environmentally positive industry. You will be involved in the design, planning and manufacture of a new refinery, scale-up, and technology transfer of our innovative biorefinery model. You will have hands on participation on process development trials, value engineering projects, identifying and working to improve yield, efficiency and lower costs as well as implementing new sustainable projects to support our replicate and scale model for seaweed biorefineries. You will work closely with the Senior Process Engineer and COO to improve process robustness for current commercial products

OCEANIUM is a biotech, social and environmental impact start-up business, focused on developing products from sustainably farmed seaweed. Based in Oban Scotland with an office in London, OCEANIUM is seeking a process/electrical or chemical engineer who wants to use their experience to make an impact on the health of people and planet. This is a hands-on role requiring an evidenced based approach to design and decision making. The OCEANIUM tempo is steady but high, hence we need someone who will hit the ground running and over the next few months, will finalise the process development phase, then complete design build phases. We plan to have 5-7 processing facilities by 2030, so standardisation of design and execution methodology will be required.

### Key Qualifications

#### Essential

- Must have an engineering degree in electrical, chemical, process engineering or closely related.
- Must have previous industry experience of biorefinery down-stream processing technologies including extraction techniques, dewatering, separation, membrane filtration, evaporation and drying.
- Ability to think creatively to improve on process and plans and develop creative and effective solutions to challenges in this emerging industry.
- Hands-on experience in exploiting automation systems to enhance the performance of the wide experience with food processing equipment and processes.

### Desired

- Experience in a food processing, chemical processing and/or bio-refining environment.
- Experience with machine learning would be an advantage.
- Ideally, experience in food safe design, HACCP and FSCC 22000.
- Experience of lean manufacturing, particularly at design stage.
- Previous involvement in scaling processes from bench, through pilot, to full scale manufacturing.

### Job Responsibilities:

- Ensure compliance with the OCEANIUM health and safety policy in all aspects of supply chain operations.
- Heavy involvement in the design, planning and managing of the future refinery.
- Analyse, optimise and design product recovery processes.
- Propose the introduction of cutting-edge technologies and operations.
- Ensure all aspects of the design are considered e.g., safety, food safety, compliance, energy efficiency, operability, maintainability.
- Process scale up including the development of project scope, schedule, and budget, operating financials including capex commitment, resource plan and project execution plan.
- Maintain project schedule by monitoring project progress, coordinating activities, and resolving problems. Provides regular updates to the senior leadership team.
- Develop and write comprehensive reports of processing activity and achievements for senior management and the board.
- Develop standard operating procedures for new processes.
- Responsible for pre-commissioning and commissioning activities.

### Next Steps:

If you feel that you have the right blend of capabilities and contacts as well as the ability to make a significant contribution to this exciting company, please send a cover letter, current CV, salary requirements and availability to [oceaniumpeople@oceanium.co.uk](mailto:oceaniumpeople@oceanium.co.uk). Applications will be reviewed on a rolling basis.

At OCEANIUM we recognise the value of a diverse team and we are committed to and encourage applications from people with varied experiences, perspectives, and backgrounds. Reasonable adjustments are available to support candidates through the application and interview process. Please note all offers of employment are subject to continuous eligibility to work in the UK and satisfactory pre-employment security screening which includes a DBS Check.