



Position

Senior Process Engineer/Chemical Engineer

Full-time

Application Deadline: January 30, 2021

Start Date: Q2 2021

Location: Flexible with travel to Oban, London and abroad

Rate: Dependent on experience

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”? Have you been involved with the new development of food-grade aqua- or agri-processing facilities in Europe?

We have an exciting new opportunity for a Senior Engineer to join our innovative high-growth company developing products from sustainably farmed seaweed. This role would be suitable for an experienced Chemical or Process Engineer seeking a challenge in an emerging environmentally positive industry. You will be responsible for the process development, scale-up, and technology transfer of our innovative biorefinery model. You will have active participation on 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 COO and CTO for process robustness for current commercial products.

[Oceanium](#) is a bio-tech, social and environmental impact start-up focused on developing sustainable packaging from sustainably-farmed seaweed. Based in Oban Scotland with an office in London, Oceanium is seeking a senior process engineer who wants to use their extensive 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 a player 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

- An Engineering degree, preferably Chemical or Process Engineering.
- 10+ years of experience in a Food Processing and/or /Bio-refining environment.
- Experience in scaling processes from bench, through pilot, to full scale manufacturing.

Oceanium Ltd.
Fire House
Sinclair Drive
Oban, Scotland PA34 4DR
www.oceanium.co.uk
Company Number 600414

- Extensive experience of biorefinery down-stream processing technologies including dewatering, separation, filtration, purification and drying.
- Ability to critically analyse and prepare processing plans, timelines, budgets, and take the responsibility and the initiative to ensure projects are delivered on time, on budget and meet objectives.
- Experience of, and enjoyment in, working in fast-paced, entrepreneurial environments and the ability to juggle a number of workstreams.
- 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.
- Experience with machine learning would be an advantage.
- Experience in food safe design, HACCP and FSCC 22000.
- A strong working knowledge of world-class maintenance systems.
- Experience of lean manufacturing, particularly at design stage would be an advantage.

Senior Process Engineer/ Manager Job Responsibilities:

- Ensure compliance with the Oceanium Health and Safety Policy in all aspects of supply chain operations.
- Lead the process development phase including equipment and process selection for pilot trials and the full scale plant design.
- Analyse, optimise and design product recovery processes.
- Conduct mass and energy balance studies.
- Collaborate with R&D and Product Innovation teams ensure alignment and optimum processes will deliver high quality safe products with targeted functionality.
- Hands-on involvement in process development and scale up trials, ensuring all risk assessments are thoroughly conducted and the findings implemented.
- 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.
- Lead the development of project scope, schedule, and budget, operating financials including capex commitment, resource plan and project execution plan.
- Responsible for determining the appropriate construction management processes considering safety, schedule, efficiency, cost management and documentation. Develops project objectives by reviewing project proposals and plans and conferring with management.
- Work with principle contractor to ensure a realistic project schedule is produced.
- Maintain project schedule by monitoring project progress, coordinating activities, and resolving problems. Provides regular updates to the senior leadership team.

- Development of the procurement, bidding and contracting strategies for the project. Develop User Requirement Specifications, RFPs and RFQs for processes, equipment and materials, reviews bid packages, lead the negotiations on equipment, engineering and labour packages.
- Identify vendors and negotiate contracts.
- 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

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.