



Senior Design/Process Engineer

Full-time

Location: Combination of onsite at processing facilities in UK, office time in Oban and/or London, remote

Salary: Competitive salary commensurate with experience with opportunity for stock options

Unique and challenging opportunity to get in on the ground floor of a fast moving, innovative impact business “about to boom”. Oceanium has just closed a highly successful Seed Fundraising round with backers including World Wildlife Fund, Green Angel Syndicate and Kingfisher Capital and ready to scale up. We are looking for a committed and experienced Senior Process Engineer keen to use their design, engineering and managerial skills as well as creative and critical thinking to make real contributions to the fight against climate change.

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. Reporting directly to COO, 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.

[Oceanium](#) is a material innovation and processing company focused on developing all natural, plant-based food/nutrition products and packaging materials from sustainably farmed seaweed. This role requires project and people management experience coupled with 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 ready to input on process design and direct facilities set up.

Key Qualifications

- An Engineering degree, preferably Chemical, Manufacturing or Process Engineering.
- 10+ years of experience in a Food Processing and/or Bio-refining environment.
- Experience in designing, building and scaling processes from bench, through pilot, to full scale manufacturing.
- 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 innovative, fast-paced environments and the ability to manage work streams.
- 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 / Manufacturing Engineer/ Manager Job Responsibilities:

- Ensure compliance with the Oceanium Health and Safety Policy in all aspects of manufacturing.
- Lead the engineering and process development phase including input on equipment and process selection for scale up plant design.
- Facilitate mass, flow and energy balance studies as well as sizing of equipment and plant infrastructure.
- Collaborate with R&D and Product Innovation teams ensure alignment and optimum processes and engineering solutions will deliver highest 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 over time as we establish new facilities and improve on existing.
- Good risk tolerance for innovative and cutting edge processes.
- 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. Develop project objectives by reviewing project proposals and plans and conferring with management.
- Hire and work with principle contractors 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.

- For future plants, work closely with regulatory agencies for permitting, site approvals and commissioning
- Develop and write comprehensive reports of processing and engineering activity and achievements for senior management and the board.
- Update current operating procedures for write OP for new processes.
- Responsible for pre-commissioning and commissioning activities.
- After plant start-up – On-going
 - Works closely with QA to ensure all products are within specification
 - Hires and manages plant maintenance staff
 - Builds and maintains plant maintenance systems and spare parts inventory
 - Manages engineering and maintenance budget
 - Ensures all equipment, infrastructure and facilities are in good working order and GMP compliant
 - Hires and manages with 3rd party technical and maintenance vendors
 - Participates in 3rd party audits (e.g. GMP, Food Safety)
 - Works closely with Plant Manager for continuous improvement programs

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 we want to hear from you! 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.

**Kelp The
World®**

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