



Project/Process Engineer

Position

Type of contract: Full-time, permanent

Start date: ASAP

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

Salary: £45,000+ depending on experience

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

About OCEANIUM

OCEANIUM is a passionate and ambitious start-up driving systemic change, developing products from sustainably sourced seaweed, including innovative materials, cosmeceuticals, nutraceuticals and plant-based food ingredients to meet the growing, global and corporate demand.

Our mission is to develop and make products from sustainably sourced seaweed to benefit People Health and Planet Health – we are seaweed evangelists on a journey to 'Kelp the World®'. We are inspired by creativity, thrive on innovation and are driven by environmental and social impact.

The role

We have an exciting new opportunity for an experienced 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 biorefining 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 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.

Responsibilities

- Ensure compliance with the OCEANIUM health and safety policy in all aspects of supply chain operations.
- 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.
- Heavy involvement in the design, planning and managing of the future refinery.
- 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.

Requirements

Essential

- Must have an engineering degree in chemical, mechanical, electrical, process engineering or closely related.
- Must have 5+ years of 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.
- Experience working with equipment suppliers to specify and customize processing equipment.

Desired

- Experience in a food processing, chemical processing and/or biorefining 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.

About you

- You will share our vision for People Health and Planet Health and live by our values of excellence, integrity, innovation, sustainability and fairness.
- You be an ambitious engineer with production management experience willing to develop and incorporate innovative and cutting edge processes.
- You'll have a track record of taking people on a journey with you, tapping into the collective creativity and achieving above and beyond expectations.
- You will be highly organised and your operating mode is continuous improvement.
- Your team working style will be collaborative and hands-on underpinned with clear and concise communication.
- You'll be a problem solver with critical thinking skills who is committed to developing solutions to challenges in this emerging industry and make real contributions to the fight against climate change.
- You'll be evidence-driven and honest, engraining integrity in all aspects of your work and your relationships with stakeholders.

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. Applications will be reviewed on a rolling basis. Applications without a cover letter will not be considered.

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.