



Job title: Senior Process Engineer (USA)

Standard Occupational Classification (SOC) code: 2127

Organisation: Clean Planet Energy (CPE)

Introduction: Clean Planet Energy (CPE) is a cleantech, renewable and alternative energy company, converting non-recyclable plastic waste into ultra-clean commercial grade fuels with negligible sulphur and nitrous oxide content and low CO₂ emissions. CPE's mission is to continuously devise and implement sustainable green technologies that will prevent toxic plastic waste from damaging the earth's environment and oceans, while reducing the demand for high-emissions diesel, as well as diverting tens of thousands of tonnes of plastic waste annually away from landfills, incinerations, and oceans. For these purposes, CPE are developing and deploying a series of environmentally-friendly EcoPlants, process plant designed and engineered to take any waste plastic feedstock and, through various chemical processes, convert into commercial grade low-carbon footprint, ultra-clean ultra-low sulphur circular fuels to be used as replacements for traditional high-emissions fossil-based fuels.

As the Senior Process Engineer, you take ownership of the engineering deliverables (typically process, safety, environmental and process control functions) and be responsible to the CTO for the execution of all the process engineering works required for the delivery of the overall project's technical and functional specification requirements. You will report to CTO on project progress, including the performance of the engineers, contractors and sub-contractors assigned to the project.

Job description: Selected key duties and responsibilities as Senior Process Engineer/Manager:

- Responsible for technical accuracy and quality of the plant's design as dictated by the project's technical and functional specifications
- Demonstrate client focus and be aware of, and respond to, contractor needs, whilst still achieving project and corporate objectives
- Accept responsibility, and provide technical expertise, for the development and maintenance of expertise on all process aspects of the plants development
- Keep up-to-date with the latest technical developments in the fields of pyrolysis, waste-to-fuel, waste-to-energy, and lead in developing appropriate technical solutions for specific project issues
- Provide technical expertise and support to Business Development (including proposals preparation and evaluation, supplier agreements and MOUs, attendance in clients meetings, presentations, and technical support to relevant business pitches, etc) for the execution of supplier, contractors and partners relations as may be required
- Advise the CTO/Project Lead of deficiencies and possible changes to project's engineering design methods, standards and data
- Review and audit of projects components where business needs dictate, to identify technical and performance risks, assist in the development of action plans for mitigation and ensure implementation
- Assist in preparation of Project Execution Plan (PEP), Integrated Project Schedules, Project Scope of Work, Weekly progress reports, Project Procedures, Project Meeting Minutes, QC Plan (with QA Coordinator), Subcontract package scopes, datasheets and process documentations



- Monitor/expedite procedures and calculations approval, delivery of materials and equipment (with Procurement Coordinator), interfaces with Engineering and Construction as necessary to expedite engineering/construction solutions
- Ensure works are carried out in accordance with project engineering details, procedures and specifications
- Serve as conduit for cross-functional information and data for technical queries within project disciplines and between project/ suppliers
- Knowledgeable of Project Management principles, documents and plans
- Establishment of performance as a key company priority; consistently delivering timely work assigned to.
- Manage the activities of the process engineering team in line with business priorities
- Develop process simulations, conceptual design, FEED, DD of process solutions
- Working with other company functions and suppliers to build technical / cost proposals
- Develop the detailed design including P&ID drafting, equipment/line sizing and datasheet preparation, checks, approvals etc
- Experience in process design, engineering and industry background in refining, chemical and or petrochemicals required.

Start Date: ASAP

Duration: Permanent

Essential requirements for role: Chemical/Mechanical Engineering discipline, educated to degree level, or equivalent, with a scientific and/or technical background; 10-15 years of experience in Process Engineering, ideally with at least 5 years demonstrable experience in a head or supervisory, lead/senior operations role. Hydrotreater/hydrocracker operations experience is a prerequisite.

Desirable requirements for role:

- Strong work ethic – prepared to put in extra hours as required.
- Evidence of ability to work effectively with individuals from various backgrounds and cultures.
- Proven experience of effectively managing teams with strong management and leadership skills
- Able to manage multiple tasks simultaneously to deliver against tight deadlines.
- Must be flexible to adjust work schedule as determined by the demands of the business, therefore a certain flexibility is mandatory.
- Chartered Engineer status preferred.

Location: Remote during COVID, then Texas (USA) offices.

Please provide your resume and/or cover letter, along with any other additional references to: jobs@cleanplanetenergy.com

CPE is an inclusive organisation welcoming talent from all backgrounds. Applicants are assessed based on personal merit and qualifications.

This opportunity is not open for recruiters or agencies, and any applicants that are received through this will be rejected.