

Position Title	Manufacturing Engineer
Location	São Paulo, Brazil
Reports to	Manufacturing & SQE Manager, LATAM

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Greenlane Renewables Inc., headquartered in metro Vancouver, Canada, is driving change: accelerating the energy transition. We are cleaning up two of the largest and most difficult-to-decarbonize sectors of the global energy system: the natural gas grid and commercial transportation. As a pioneer and leading global specialist in biogas desulfurization and upgrading, we have been actively contributing to the decarbonization of our planet for over 35 years with more than 500 systems supplied into 32 countries. We transform biogas generated from organic waste into high-value grid-ready renewable natural gas (“RNG”) from a wide range of sources such as landfills, sugar mills, dairy farms, wastewater, and food waste. Greenlane is transforming energy production and creating new, sustainable revenue streams for its customers - all while dramatically reducing carbon emissions. Join us, let’s accelerate the energy transition together.

The Manufacturing Engineer is responsible for defining, optimizing, and sustaining safe, efficient, and repeatable module assembly and integration processes for large Renewable Natural Gas (RNG) equipment manufactured through a global supply chain model. This role ensures manufacturing operations consistently meet Safety, Quality, Cost, and Delivery (SQCD) objectives through structured process design, documentation, and continuous improvement.

#### **Key Duties and Responsibilities:**

- Design, develop, and optimize module assembly and mechanical integration processes, ensuring compliance with engineering specifications and safety requirements.
- Develop assembly process flow for skid/module build-up based on engineered drawings and vendor-supplied fabricated parts.
- Review incoming fabricated components and purchased parts for Design-for-Assembly (DfA) and installation readiness in coordination with SQE.
- Collaborate with Procurement and SQE to identify supplier-induced dimensional, tolerance, or documentation issues impacting assembly sequence.
- Develop and maintain assembly procedures, work instructions, SOPs, and control plans.
- Define kitting strategy and assembly staging requirements based on Kanban methodology.
- Establish mechanical and piping fit-up methodology for vendor-supplied sub-assemblies.
- Support incoming inspection and disposition of non-conforming vendor parts impacting assembly schedule.
- Lead the transition from engineering to production, ensuring tooling, documentation, training, and test readiness.
- Provide structured feedback to engineering on recurring assembly challenges to improve design standardization.
- Support pre-FAT assembly verification activities prior to QC-led FAT execution.
- Develop and execute testing protocols to validate equipment performance, safety, and compliance.

- Analyze, document, and report test results in accordance with applicable standards.
- Drive continuous improvement to enhance testing accuracy, efficiency, and repeatability.
- Apply Lean, Six Sigma, and Industrial Engineering principles (time studies, capacity modeling, line balancing, takt analysis).
- Conduct assembly line balancing and station-level takt optimization for modular skid build-up.
- Lead Kaizen events, value stream mapping, 5S, standardized work, and waste reduction initiatives.
- Conduct root cause analysis (A3, 5 Whys, Fishbone) and implement corrective actions.
- Ensure manufacturing processes comply with internal quality standards and external regulatory requirements.
- Coordinate with SQE on supplier corrective actions affecting module assembly or FAT readiness.
- Conduct audits and inspections of manufacturing and testing activities.
- Support incoming inspection, non-conformance management, and corrective action processes.
- Partner with cross-functional teams (engineering, quality, supply chain, maintenance).
- Train and mentor manufacturing personnel on processes, safety, and best practices.
- Promote a strong safety culture and ensure compliance with environmental, health, and safety regulations.

**Qualifications & Experience:**

- Bachelor's degree in Industrial, Mechanical, Manufacturing Engineering, or related field.
- 3–8+ years in manufacturing or industrial engineering; 2–4+ years in Lean/process improvement roles.
- Familiarity with skid/module-based process equipment (gas processing systems preferred).
- Strong understanding of integrated process systems (e.g., gas processing, upgrading systems, controls).
- Lean Manufacturing, Six Sigma (Green Belt preferred), and data analysis tools (Excel, Power BI, Minitab)
- Preferred with knowledge in standards as ASTM A516 Gr.70, ABNT NBR 6656 USI SAC 50, ABNT NR-12, NR-13, ASME VIII Div.1, ISO 2768-mK, MTC EN 10204 Type 3.1, ANSI class, AWS A2.4, ASTM A36, ABNT NBR 7007 MR250, and SSPC-SP6/SP10.
- Experience working directly with customers and plant operators in on-site environments.
- Ability to work across functions and influence without direct authority.
- Excellent communication skills, with the ability to provide clear, concise updates to senior leadership.
- English proficiency required.

**How to Apply:**

We are an equal opportunity employer and invite applications from all qualified individuals. To be considered for this role please apply through the Greenlane Renewables page on LinkedIn and attach your resume. While we thank all interested candidates only those who are short-listed will be contacted.