



Position Description

Overview

Job Title **Simulation Modeling Engineer**
Location **Atlanta, GA**

Details

Our organization is currently searching for a Simulation Modeling Engineer to operate at a regional Atlanta, GA office. As the Simulation Modeling Engineer, you will act as a pre-sales company representative to foster sales and provide demonstration materials of complex process implementation models. By leveraging years of experience in the food or beverage industry, it is your job to step clients through initial design proposals and explain how solutions would work once built.

This Simulation Modeling Engineer role is an ideal fit for an employee of a small to mid size design firm who has an industrial, mechanical, or physics background and is a natural problem solver. The company offers competitive pay, potential bonus, and 401k match.

At this time, we request only US Citizens or Green Card Holders to apply.

For complete details on this exciting role, please contact us!

Primary Responsibilities

- Reads, creates and interprets technical drawings, schematics, process flow diagrams and computer generated reports.
- Determines the appropriate third party components appropriate for the application such as pumps, valves, heat exchangers, instrumentation.
- Designs and/or integrates the components for complex processing systems, involving pipes, fittings, components and tanks to Food & Drug Administration requirements.
- Follows client company processes and procedures to ensure conformance with engineering design and performance specifications.
- Interacts with production to verify and test equipment; provides technical assistance and support to sales, service, and purchasing as directed; supports parts sales by identifying correct replacement parts.
- Verifies performance of equipment to meet customer needs prior to shipment.
- Troubleshoots performance issues in the field with field service and the customer's technical representatives; analyzes client company components.
- Determines if equipment is functioning properly and takes action needed to ensure proper functioning.



- Performs all the duties of Designer as required including but not limited to:
 - Using computer aided design tools to create drawings.
 - Using the enterprise resource planning system to maintain Bill of Materials.
 - Processing Engineering Change Orders and maintaining drawing database.

Core Competencies

- A. The Simulation Modeling Engineer should be able to fully model food and beverage process components and skids within a reasonable period.
- B. Hands on ability to work on machinery and troubleshoot mechanical problems will be a great asset to the chosen individual.
- C. The Simulation Modeling Engineer is able to design and specify proper client company machinery and equipment that meets the customer's needs.

Analytical

- » Synthesizes complex or diverse information; Collects and researches data; Uses intuition and experience to complement data.

Design

- » Translates concepts and information into images; Uses feedback to modify designs; Applies design principles; Demonstrates attention to detail.

Problem Solving

- » Identifies and resolves problems in a timely manner; Gathers and analyzes information skillfully; Develops alternative solutions; Works well in group problem solving situations; Uses reason even when dealing with emotional topics.

Technical Skills

- » Assesses own strengths and weaknesses; Pursues training and development opportunities; Strives to continuously build knowledge and skills.

Primary Requirements

The Simulation Modeling Engineer will have the following skills and knowledge:

- Bachelor's Degree in Mechanical Engineer (BSME) or related field of study.
- More than 2 years of experience engineering in a food, beverage, chemical or industrial packaging/processing environment; or equivalent combination of education and experience.
- Mastery of MS Office applications
- Proficiency in dimensioning mechanical parts and assemblies in AutoCAD, Solidworks. Individuals with experience in Simio software are highly preferred.
- Demonstrated experience using Inventor or equivalent CADD applications.



- Proficiency with material sciences and basic electrical systems.

This position requires up to 50% travel; valid passport and motor vehicle license are required.

About the Company

Our client is a manufacturing, planning, and design firm in the architectural, engineering and construction management services sector. Operating in several US regions today, our client serves **the food and beverage industries exclusively**, focusing on providing **innovative and cost effective services** to clients in North America, Central America, and Europe.

As a full-service firm, our client products total project solutions from conception through start-up. As such, the company culture is one that encourages team growth concordantly with individual achievement.

Unlike most corporations today, our client has no rigid management levels, but rather works in teams directed by a team leader. Incentive programs reward communal success as well as individuals who surpass expectations. All employees are considered equally important to the functioning and success of the company, and as such, are not assigned job titles or job descriptions.

About Us

Cutting Edge Connect is an executive consulting firm with the goal of bringing talented individuals into quality organizations.

To speak with us directly, please contact:

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Why work with Us?

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