About Us: Shambaugh & Son L.P., a wholly owned subsidiary of EMCOR Group, Inc., is a construction/engineering firm. We specialize in the Design-Build method of construction resulting in fast-track delivery of the project improvements to our clients. We are one of the largest specialty contractors in the U.S. and the only one with all eight M.E.P (Mechanical, Electrical, Process, Automation, Refrigeration, HVAC, Plumbing, and Fire Protection) design and installation capabilities in-house. We perform over $700 million of construction projects per year with over 1,800-2,000 employees throughout 50 states from our home office in Fort Wayne, Indiana.

Our success has been driven by our ability to attract and retain knowledgeable and seasoned professionals to work on the Shambaugh team. As we continue to build on our Shambaugh success story, we are looking to complement our existing experienced engineering staff with motivated and talented individuals who are interested in expanding their engineering knowledge and gaining valuable work experience.

Shambaugh & Son is proud to be the Design-Builder of four U.S. Food Plant of the Year award winning facilities and two U.S. Dairy Plants of the Year. We have reached this seemingly impossible achievement by not only building buildings so our clients can build their business, but by striving for excellence in everything we do! We bring “value added” with not only our unique Design-Build, self-perform approach, but leverage our industry’s #1 Food Plant experienced team to design streamlined, significantly more efficient plants and improved processes.

At Shambaugh, we recognize people as our most important resource, and it is our mission to produce the industry’s highest level of quality services, safety and productivity on every project in order to develop repeat customers, maximize return on investment and provide professional growth opportunities for people in the organization.

Job Title: Food Process Engineer

Job Summary: A Food Process Engineer at Shambaugh is expected to perform quality food process engineering design services in a professional manner so projects are implemented that meet or exceed our customer’s satisfaction for schedule and budget.

Essential Duties and Responsibilities:

• Flow diagrams and specifications have been developed in accordance with:
  o Customer requirements
  o Shambaugh & Son, L.P. standards and specifications
  o Federal, State and Local regulatory agency requirements
• Mass balance calculations have been developed and provided to the customer for review and confirmation of project production design criteria. These documents can include:
  o Production time line studies
  o Capacity usage studies
  o Product mass flow calculations, etc.

• The process utility spreadsheet is filled out and distributed to the other project disciplines identifying the utility service needs of the project process design.

• A process design narrative is prepared that clearly and concisely communicates the overall process design production criteria to the customer.

• A detailed scope of work is prepared that clearly and concisely communicates our scope of work to both our clients and the estimating department.

• Standard practices pertaining to engineering calculations, spreadsheets, equipment schedules, standard details, piping methods, and control sequences are utilized as much as possible and incorporated into the project documents.

• Develop project installation requirements (materials of construction, installation methods, etc.) to adequately convey our scope of work and level of quality to our client, internal estimating staff and field installation staff.

• Equipment specifications / schedules and RFQ’s have been assembled as required to enable quick and accurate responses to inquiries by up to three competitive bidders as required.

• For projects that proceed to construction:
  o Project documents (i.e. approval drawings, equipment specification sheets) have been distributed to the appropriate project team members in a timely manner.

  o A written functional description has been prepared to describe required operation of the process design to the Shambaugh automation group.

  o Provide on-site engineering support for an existing construction project, which could include regular site visits or temporary relocation to the project site, to ascertain that the systems and equipment that encompass the process design are being installed properly.

  o Projects are commissioned (including trouble shooting) and owner operators are trained.
Qualifications:

- Bachelor’s degree in Agricultural, Chemical, Mechanical or Food Process Engineering
- Recent college graduates or 1-3 years of experience across one or more industries with design and project emphasis in the Food and Beverage industry (breweries, bottlers, dairies, confectionary producers, etc)
- Ability to work independently or in a team environment
- Travel is expected with this position, duration determined as required for project design and execution
- Computer literate with MS Office product offerings including Excel, Word, Powerpoint etc, proficiency in AutoCad is a plus
- Can communicate clearly and effectively, in both written and oral work
- All applicants must have legal authorization to work in the United States

Visit us at www.Shambaugh.com to learn "What we do and How we do it."

We offer our employees a competitive salary and comprehensive benefits package and are always looking for individuals with the talent and skills required to contribute to our continued growth and success. EOE M/F/DISABLED/VET