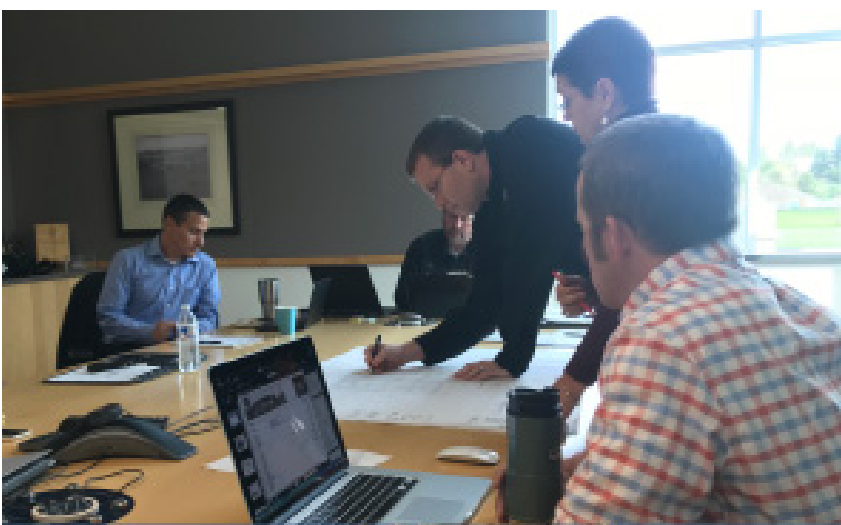


# POSITION DESCRIPTION

## Senior Engineer, Heavy Industrial - Industrial

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2021



## POSITION SPECIFICATION

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<b>Position</b>	Senior Engineer - Heavy Industrial Mechanical or Chemical
<b>Organization</b>	KFI Engineers (KFI)
<b>Location</b>	St. Paul, MN
<b>Reporting Relationship</b>	Senior Project Manager, Industrial Group
<b>Website</b>	<a href="http://www.kfiengineers.com/">http://www.kfiengineers.com/</a>

## COMPANY BACKGROUND

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KFI is a recognized industry leader in process and facility infrastructure design and performance. We serve clients in the United States, Canada and Central America and have capabilities not commonly found in traditional engineering firms, including our commissioning work and our ability to drive projects of all sizes.

KFI was established in 1996 to make a difference in the way infrastructure and processing projects are delivered. We employ a highly trained staff of engineers, technicians and managers who execute projects with the same care and creativity we would expect if we were the client. We are located in Minnesota, Wisconsin, Iowa, Arizona, Ohio, and North Dakota with a team of over 170 professionals.

## POSITION OVERVIEW

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The Senior Engineer – Heavy Industrial plays a key role in the successful execution of projects. Reporting to the Senior Project Manager, Industry and Infrastructure, this individual will provide technical and engineering excellence, as well as successful delivery of work to our customers. The Engineer is responsible for a high level of customer satisfaction by ensuring expectations are clearly communicated and managed – both externally and internally. The successful candidate will also contribute to a dynamic team environment by being proactive, communicating clearly and frequently, and modeling a highly collaborative working environment. This person will also actively support the business development process, through the writing of proposals and meeting with prospective and current customers.

## TYPICAL RESPONSIBILITIES

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Specific responsibilities will include, but not be limited to, the following:

- Manages projects and teams, ensuring that work efforts and costs are accurately scoped and estimated.
- Prepares engineering documents and equipment specifications to meet contracted scope of work and to ensure code compliance.
- Generates P&ID's and reviews process piping designs.
- Knowledge of process PFD's and material/energy balances.
- Provides input to plant layout development, with an understanding of key equipment relationships and maintenance access requirements.
- Field experience related to capital project construction and process plant start-up.
- Performs engineering calculations.
- Specification and selection of Processing & Utility equipment, including detailed review of approval

drawing submittals.

- Leads systems/equipment procurement efforts.
- Actively manages assigned projects, driving them to completion. This will require a combination of strong delegation and follow-up, combined with personal execution of work as needed.
- Thorough understanding of Process Systems, Architectural design, Electrical, Civil, Controls, and Structural Engineering and Construction practices.
- Provides work direction to other team members, including subconsultants, as assigned.
- Participates in the development and coaching of younger talent needed to meet current and future organization goals.
- Ensures that new opportunities are properly defined, scoped and priced. Actively contributes to all aspects of the business development process (i.e., proposals, conferences and customer meetings).
- Provides technical and engineering support to other departments/disciplines.
- Represent KFI at conferences, customer events, and through membership in industry associations.

## **KNOWLEDGE, SKILLS AND ABILITIES REQUIRED**

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The successful candidate will have a pragmatic and applied approach, while at the same time bringing a creative examination of customer needs and solutions.

The successful candidate will have demonstrated a strong proficiency in utilities, process engineering within agri-business industries. Ideally, the person filling this position will have strong experience in agri-business processing plants and biofuel plant operations. This person will have strong interpersonal skills to enable effective interaction with Designers, Engineers, Clients, and sub-consultants. This person also will possess strong communication skills, and influencing skills, and has demonstrated the maturity and self-confidence to work with colleagues and customers.

The level of experience we are looking for likely comes with a minimum of 12 years of relevant engineering experience.

The successful candidate will be naturally collaborative, and possess the ability to assimilate a range of ideas, programs or alternatives into a set of recommendations. This person will be self-directed, but thrive in an environment where consultation leads to superior outcomes.

Additional qualifications the successful candidate will possess include:

- Effective meeting management skills.
- Strong attention to detail.
- Proficient writing skills and experience generating technical reports.
- Experience developing processing plant wide masterplans.
- Cost estimating skills.
- Adaptable and agile, responsive to quick changes in direction.
- Ability to pro-actively identify and develop plans to mitigate project risks.
- Supervisory or people-management experience.
- Experience supporting a construction team from the engineering and design perspective during construction, including onsite experience.
- Experience executing or leading plant checkout, start-up, and commissioning.

- Project management experience including projects with multiple disciplines.
- Ability to establish rapport and credibility with customers and other stakeholders.

## LEADERSHIP CHARACTERISTICS

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### Understanding the Business

- Knows the business and the mission-critical technical and functional skills needed to do the job; understands the “KFI way” – our Mission, Vision and processes. Learns new methods and technologies easily.

### Getting Organized

- Is well organized and resourceful; effective and efficient at marshalling multiple resources to get things done; lays out tasks in sufficient detail to mark the trail; is able to get things done with less and in less time; can work on multiple tasks at once without losing track; foresees and plans around obstacles.

### Focusing on Action and Outcomes

- Attacks everything with drive and energy with an eye on the bottom line; not afraid to initiate action before all the facts are known; drives to finish everything he/she starts.

### Focusing on the Customer

- Identifies and anticipates customer requirements, expectations, and needs. Creates systems and processes that make it easy for customers to do business with the company. Ensures that customer issues are resolved.

### Communicating Effectively

- Writes and presents effectively; adjusts to fit the audience and the message; strongly gets a message across.

### Influencing Others

- Ensures that proposals or arguments are supported by strong logic and a compelling business case, addressing all relevant factors. Identifies the agendas, concerns, and motivations of others.

### Builds Relationships

- Treats people with respect; relates well to people regardless of their organization level, personality, or background. Encourages others to express their views, even those contrary to current thinking.

## EDUCATION

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Bachelors’ degree in Mechanical or Chemical Engineering is required. Professional Engineering Registration or willingness to pursue this designation is also required.

## COMPENSATION

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Recognizing the importance of this position to KFI, a competitive salary and benefits package will be offered.

*An Equal Opportunity Employer*

## KFI ENGINEERS CONTACT

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**651-771-0880**

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