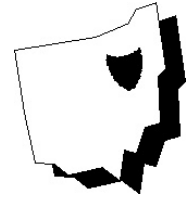




UNIT OPERATIONS

OFFICIAL NEWSLETTER OF THE AKRON SECTION AIChE



January 2009

UPCOMING MEETINGS

AIChE Meeting

Hoppin' Frog Brewery Tour Dinner at Siamones Restaurant

DATE: Thursday, February 26th

LOCATION: **Hoppin' Frog Brewery**
1680-F East Waterloo Rd.
(Route 224)
Akron, Ohio 44306
330-352-4578

Siamones Thai Restaurant and Pub

2215 E. Waterloo Rd.
Akron, OH 44312
330-733-5070
Features Thai, Italian and
American cuisine (\$\$)

SCHEDULE: 6:00 Tour
7:00 Siamones Thai
Restaurant and Pub
1 mile east from brewery.

RSVP: **Tom Flynn** by **Jan. 28th**
at (330) 860-6630 or
tjflynn@babcock.com

After a long period of inactivity the Akron Section of AIChE is reviving its local activities. Please feel free to notify members and non-members of this meeting.

Akron Area EWeek Banquet

DATE: Thursday, February 19

LOCATION: Emidio's Banquet Center
48 East Bath Road (at State
Road)
Cuyahoga Falls, OH 44223

PROGRAM: 5:30 pm Social Hour
6:30 pm Dinner
7:30 pm Program
Awards
Towpath Trail
ABC Railroad
MATHCOUNTS
UA Student Designs

RSVP: See the attached PDF packet
for more details and to order
tickets. **Order before 2/2 for
discounted price.**

Look for the reserved AIChE tables.

March Meeting

Continuing Education Seminar Thermal Systems and Controls

Presented by Watlow

DATE: Thursday, March 26

LOCATION: TBA

PROGRAM: 6:00 pm Social Hour & Dinner
7:00 pm Presentation

RSVP: TBA

SEPTEMBER 2008 MEETING

A joint meeting between AIChE and ACESS was held at the Ohio Brewery/Damon's Restaurant on September 2008. Approximately 25 people attended the meeting. Tom Flynn reviewed the plans to restart activities for the Akron Section of AIChE. The following items were covered.

- Location/approach for future meetings
- Upcoming events
- Website
- National activities

Future meetings and tours will be developed to showcase new business ventures including non-engineering ventures such as restaurants, coffee shops and attractions in the Akron-Canton area. The objective is to assist new members to the area to "discover" the greater Akron-Canton area.

Topics for future meetings will include professional development seminars that will provide continuing education credits to members and non-members who are professional engineers. We will also strive to host joint meetings with ACS, ASME and the Cleveland Section of AIChE.

SCIENCE FAIR JUDGES

Once again, we ask for your support in encouraging our young people in the fields of science and engineering for two upcoming events:

" Akron Science and Technology Expo - Saturday, February 7, 2009 - North High School cafeteria (985 Gorge Blvd - northeast corner of Tallmadge and expressway).

" Western Reserve District 5 Science Day - Saturday, March 21, 2009 - The University of Akron Student Center.

In the past, AIChE has provided judges for Chemistry and Engineering categories. Activities for both events will start at 7:30 AM and will include coffee and donuts, judging, and a complimentary lunch. An Awards Program will follow both events at which the AIChE award will be presented.

If you can judge for AIChE, please contact Joe Feil:

2146 Daniels Ave.
Akron, OH 44312
(330) 733-8566 (H)
jfeil@neo.rr.com

or Brent Sisler:

2077 Stabler Road
Akron, OH 44313
(330) 836-9238 (H)
(330) 860-6430 (W)
marybrentsisler@cs.com

If you do not know ahead of time if you can judge, they are always in need of extra judges. You can simply arrive at the designated location on the day of the event.

LOCAL SECTION SCHEDULE FOR 2008/2009

DATE	TOPIC	LOCATION	SPEAKER
February 26, 2009	Hoppin' Frog Brewery Tour	Hoppin Frog Brewery and Siamones Restaurant	Fred Karn Owner and Brewmaster
February 19, 2009	Engineers' Week Banquet	Emidio's Banquet Center	Awards, Presentations and MATHCOUNTS Competition
March, 2009	Thermal Systems & Controls Seminar (CEU Credit)	TBA	Presented by Watlow
April, 2009	Student Night	University of Akron	Student Projects
April, 2009	InfoCision Stadium Tour	University of Akron	Frank Horn
May, 2009	B&W Research Center Tour	Barberton	Multiple speakers

AICHE LOCAL SECTION EXECUTIVE COMMITTEE

Position	Name	Phone	E-mail
Chair	Tom Flynn	(330) 860-6929	<i>tjflynn@babcock.com</i>
Vice-Chair	Vacant		
Secretary	Vacant		
Treasurer & E-week Rep.	Ann Corey	(330) 860-2370	<i>amcorey@babcock.com</i>
Government Interaction	Vacant		
E-week Representative	Bartev Sakadjian	(330) 860-6404	<i>bbsakadjian@babcock.com</i>
Public Relations	Vacant		
Membership & Awards	Vacant		
Newsletter/Webmaster	Vacant		
ACCESS Representative	Joe Feil	(330) 796-6613	<i>jnfeil@aol.com</i>
ACCESS Representative	Walt Ruthenburg	(330) 796-7385	<i>wruthenburg@usa.net</i>

AIChE Web Sites

Local: A new website is being developed.

Current website: <http://members.core.com/~aiche> (Deactivated)

National: <http://www.aiche.org>

JOB POSTINGS

The following opportunities have been provide to Akron AIChE.

International Field Service Engineer – Primarily the American coasts

Chief Engineer for Oil Field Division – Lufkin, Texas

Research & Development/Application Engineer – Northeast Texas

Principal Engineer (or Sr. Engineer, DOE), Chemical - Illinois

Power Generation Excitation and Controls National Sales Manager – Relocation not necessary

SR. Process Engineer – Tyler, Texas

SR. Project Manager – Tyler, Texas

Project Engineer (Two Positions Available) – Tyler, Texas

Junior to Mid-Level Chemical or Mechanical Engineer – Ohio/West Virginia Boarder

Each opportunity is presented in detail in the following pages. (NOTE: Some descriptions are more detailed than others, so scroll down to the opportunity of interest.)

International Field Service Engineer

My new client on the East Coast is a leading power generation services company which has retained me to identify a Field Service Engineer who enjoys either domestic or international travel (75%).

The successful candidate will be primarily involved in visual inspections ("eye-balling") of steam generator equipment (boilers), inspecting equipment for problems, suitability of application and remaining life. This individual will walk inside boilers with a set of drawings, using scaffolds or cherry pickers, inspecting welds and appropriate equipment.

He/she must be comfortable inside boilers, (must be able to handle sitting on planes for extended periods, working in hot and cold environments, confined spaces, etc). Will analyze failed equipment (but no engineering analysis on site) and write reports on findings. Will also have a small role in training.

The appropriate candidate will have either a Bachelor's degree or commensurate experience. This individual will not only have appropriate technical skills but also must maintain the personal confidence and interpersonal skills to work effectively with engineers, managers and technical people on site.

International sites are largely Western (i.e. "developed") countries and located in larger urban areas. My client does not maintain any facilities in "war risk" countries. Most travel will be to South America, Europe and Israel with very limited travel to Asia, Thailand, and India.

Career Upside: someone with these skills and proven success has both very strong horizontal and vertical career opportunity within this large corporation. Field service engineering is considered the most valuable skill-set by this company. Almost every senior executive (marketing, sales, engineering, operations) including the President started their careers with this organization as a field service engineer.

Location: this candidate can live anywhere in the United States with a preference being toward the coasts or at least within commutable distance to a major hub, to help facilitate travel.

Support: though this person will be traveling alone, they will have a very strong and effective "back office" support from corporate.

Formal Description:

Field Engineers are responsible for assisting customers at their plant sites with equipment start-ups, solving operational and maintenance problems and helping them meet their plant operational objectives. This is an excellent opportunity for self-motivated, flexible individuals who enjoy challenging and diverse job responsibilities.

The incumbents will be responsible for providing advice and guidance on the commissioning, operation, maintenance, efficiency, and reliability of fossil fired steam generator equipment and systems.

Activities include:

- (1) Scheduling and managing steam generator equipment commissioning and inspections
- (2) Inspecting equipment for problems, suitability of application, and remaining life

- (3) Analyzing failed equipment
- (4) Writing detailed reports
- (5) Optimizing plant performance
- (6) Training plant personnel
- (7) Testing equipment

Duties will also include analyzing, planning and conducting evaluations of a variety of technical tasks requiring the application of general engineering knowledge of power plant equipment. In this position, the incumbent will also act as the Company's representative in resolving and reporting on general technical and logistics problems while maintaining good customer relations and protecting the interest of the company. Will also conduct inspections, commissioning or test programs within estimated resources while ensuring that the quality of services will not be impaired.

Candidate must meet the Minimum Requirements for the job:

Must live and be authorized to work in the U.S. (no H1B visas will be considered at this time). Bachelor's in Engineering or related field or combination of education and experience. Minimum 5 years experience in power industry or related field. Boiler and/or environmental technology in a power plant environment or related field. Ability to travel 75-80% internationally. Hands-on, mechanical aptitude. Ability to work with people. Must have excellent written and verbal communication skills.

Physical requirements:

Climbing, Balancing, Stooping/Crouching, Kneeling, Crawling, Reaching, Standing, Walking, Pushing & Pulling, Lifting up to 20 lbs, Grasping, Repetitive motion, Confined Space and must be able to fit through a hole 18" in diameter, Close visual acuity, the ability to work both inside and outside in varying weather elements and handle high volumes of noise.

Contact:

Nick Meyler
GM/President, Technology
Wingate Dunross Associates, Inc.
28632 Roadside Dr. #203
Agoura Hills, CA
91301
Phone: (818)597-3200 ext. 211
nickm@wdsearch.com
URL: www.wdsearch.com

Chief Engineer for Oil Field Division

Location: Lufkin, Texas
Presented by: North American Recruiting and Consulting
Job Code: CRT0711

Client Overview:

We have an Exclusive Search for this position with our client, Lufkin Industries, which is located in Lufkin, Texas, a town in East Texas with a population of approximately 35,000 people and is about two hours North of Houston and two hours South of Tyler. In 2002, Lufkin Industries, Inc. celebrated a full century of service to its customers around the world, an auspicious milestone for a company that began as a small machine shop in Lufkin, Texas.

While Lufkin Foundry manufactured railroad and sawmill equipment during the early 20th century, the company expanded into new markets by pioneering Oilfield pumping units in the 1920's, and entering the industrial gear and truck trailer markets in 1939. Over the years, Lufkin has built a strong reputation as a quality manufacturer and full service provider in these markets.

Besides designing, manufacturing and marketing the industry standard conventional, Mark II and other rod lift pumping units that are used to lift oil from wells, the Oilfield Division provides pumping unit services (used unit refurbishment and sale, installation, field service, repair, and parts) and well automation products and services, through Lufkin Automation, (pump-off controllers, dynamometers, fluid level analysis, consulting, and training) that lower the costs of producing oil. Additionally, the Company operates a gray and ductile iron Foundry producing up to 300 tons per day of captive and commercial castings for the heavy equipment, valve and machine tool markets.

The Power Transmission Division makes precision-made gears in weights from 300 pounds to 250 tons and in power levels from 20 to 85,000 horsepower. These highly engineered products are used in industrial applications in a variety of industries, such as oil and gas, petrochemical, steel, plastics, sugar, rubber, marine and power generation. From its unique Gear Repair operations, Lufkin repairs virtually any manufacturer's gears and provides 24 hour emergency service to ensure minimum downtime in a customer's operations.

Basic Function:

Accountable for the design of pumping units and for coordinating efforts to maintain and improve the design of these products to enhance Lufkin Industries' standing in the international market.

Principal Accountabilities/Activities:

- Coordinate an efficient engineering section by providing necessary professional development and training to ensure growth and a positive environment for successful departmental operation.
- Direct project engineers and other design team leaders and review results to ensure that engineering work is accomplished according to established standards.
- Initiate and direct projects in product development and improvement to enhance the competitive standing of Lufkin Industry units
- Act as a consultant to Lufkin Industries pumping unit sales, service personnel, and customers on field service problems to ensure customer satisfaction.
- Handle the budget responsibilities of approximately \$20 Million

- Oversees the Engineering Manufacturing Processes of foreign plants in Canada, Argentina, and Egypt
- Advise on metallurgical questions arising from company departments such as Purchasing, Manufacturing Engineering, Machine Shop, Heat Treatment, and Foundry, to help prevent future problems in that area.
- Stay apprised of competitive equipment designs, evaluate, and compare them with Lufkin Industries' product design to ensure their continued competitive advantage.
- Assist joint ventures and other Lufkin Industries' owned facilities in drawing and specification interpretation to maintain quality.
- Special projects as assigned
- Management of a team of 5 Engineers and 10-12 CAD Designers and willingness to interface on a regular basis with external sales force, direct customers, and ability to Travel up to 15-20% of the time and 5% of that will be International.

Requirements/Qualifications:

- Must Have: Bachelor's Degree in engineering (prefer Structural, Mechanical, Industrial) from an accredited college or university
- Must Have: Total of 10-15 years of experience in the field
- Must Have: 5-10 years of experience in product design (Prefer Structural Design Experience)
- 5 years of experience working as a Structural Engineer (preferably) in an oil equipment manufacturing environment
- Effective leadership, organizational, and communication skills to manage technically-oriented personnel and to maintain effective working relationships with other department heads
- Ability to read, analyze, and interpret common scientific and technical journals
- Ability to respond to common inquiries or complaints from customers and regulatory agencies.
- Ability to effectively present information to the business community, top management, the Board of Directors, and when required function as an Expert Witness in a legal setting.
- Project Management Experience—Certification would be a Major Plus
- Experience in design for manufacturing
- Experience in product research and development—Preferred
- Solid Edge CAD experience Preferred or other CAD software
- Registered as a Professional Engineer—Preferred and a Major Plus
- Prefer Knowledge with Foundry Practices and Rotating Equipment (gears)
- Ability to become the Product Expert for Lufkin Industries

Compensation:

Base Salary \$100-120 K (doe); Bonus Target 15-30% of Base; Stock Options; Exceptional Benefits (Health, 401 K); Relo expenses

Contact Information:

Bob Turner, Ed. D., President
 North American Recruiting and Consulting
 826 Ashford Court
 Tyler, Texas 75703
 Direct Line: 903-561-6928
 Mobile Line: 903-618-0066
 E-Mail: bob.turner@narecruiting.net or dr.bobturner@earthlink.net
 Web Site: www.narecruiting.net

Research & Development/Application Engineer

Location: North East Texas
Presented by: North American Recruiting and Consulting
Job Code: CRT0716

Client Overview:

Our Client is a leading supplier of consumables, components, systems and complete purification solutions. Founded in 1918, they have been active in virtually all industries throughout the world. Today they offer products, installations and services for the water, beverage, food, dairy, pharmaceutical, chemical, gas/air, mining, catalyst, sweeteners, and remediation industries. Their membranes, aseptic and hygienic valves, carbon dioxide and quality control rank among the worlds best! They offer global coverage with production, engineering and manufacturing facilities in seven countries and a network of dedicated sales and service centers, business partners and distributors in more than 100 countries around the world.

Their main product is used for the purification of a wide range of substances in all kinds of industries. In fact, virtually every product around the world manufactured today has been improved upon at least once by the use of their specific product. They are the world's number 1 supplier of their specific product and related services. They produce well over 150 different types of products to match any conceivable application. They serve the global market from two business units; North America's production facilities for the U.S., Canada, and South America, and their facilities in The Netherlands for Europe, Asia-Pacific, and Africa.

Their facility here in North East Texas has been in its location since the 1920's and has approximately 200 full time employees with a sister plant in Oklahoma. Their products are used in liquid and gas phase purification processes, and in the prevention of potentially harmful emissions. The Texas facility's revenue in 2007 was in the \$80 Million Dollar area. They are expecting an increase in business of 300% within the next couple of years. This facility works a 24/7 and is a Union plant.

This Plant/Maintenance Engineer will report to the Product Manager. This position is open due to an expectation of the 300% growth.

Position Duties & Responsibilities:

The Development/Application Engineer will use their technical, scientific, and engineering knowledge and experiences to provide technical support to Customers, Field Sales, Manufacturing and Business Management in the areas where they are producing new products and existing applications for maintenance. The incumbent will provide technical information and services to solve purification problems and meet commercial needs related to the sale of their product and to develop innovative solutions to newly identified needs. Examples of the duties and responsibilities include:

1. Maintain a high level of technical expertise regarding the testing, characterization, and application of their existing product line
2. Develop a high level of technical expertise in new applications for the use of their product in emerging markets
3. Lead in new product development and commercial launches for their product's use as identified by Business Management. Serve as a conduit of technical communication for product development activities initiated by their overseas R&D organization
4. Make recommendations to customers concerning their use of our client's product, test and evaluation methods and equipment

5. Obtain performance data of our client's product using lab, pilot, and field tests
6. Assist the manufacturing group in the implementation of new product production methods and the optimization of existing process technologies
7. Prepare reports on projects and activities
8. Participate in relevant professional organizations, trade shows and conferences. Author and/or co-author technical papers for publication at these events or other media
9. Travel to visit customers (10% to 15%). Overseas travel is Possible.

MUST HAVES:

- Bachelors Degree in Chemical Engineering or a Chemistry Degree—At A Minimum; Advanced Degree in one of these disciplines PREFERRED, i.e., a Ph.D.
- R&D Experience in Chemical Engineering or Chemistry or Chemical Manufacturing
- Experience with carbon/coal materials
- 3 (Three) years or more of full time direct involvement in advanced technical projects focusing on the use carbon/coal in various applications; professional (industrial/business) experience, including customer, applications support
- Ability to interact on a technical level with both internal scientific and engineering personnel, and customer technical staffs, and make some engineering calculations
- Ability to interact with internal production personnel while involved in projects to manufacture new products, or to improve on existing manufacturing techniques
- Ability to solve technical issues in a laboratory environment
- Computer literacy required (Word processing, spreadsheet, database, graphics, and presentation software)
- Good written and oral communications skills, good interpersonal skills
- Ability to respond quickly and effectively to a variety of technical challenges. Capable of coordinating multiple projects for different internal and external customers, simultaneously
- Ability and willingness to Travel 20% to 30% of the time
- Creative problem solving skills, and data analysis skills

Preferred Skills/Talents:

- Demonstrated success in performing technical service work in support of sales and customers
- Travel experience to visit customers for application support
- Dedicated and Hard Working and very Results Oriented
- Experience with Testing or Applications related to Coal/Carbon
- Knowledge or training in physical/surface chemistry
- Gas-phase, liquid-phase and solid-phase reaction to produce carbon materials
- Carbon fiber/polymer composite produce

Compensation Information:

Base Salary between \$60-85 K, Depending on Experience; Exceptional Benefits Package including Medical/Dental Health, 401 K, Vacation, Paid Holidays, Disability, and Life Insurance

Contact Information:

Bob Turner, Ed. D., President

North American Recruiting and Consulting

826 Ashford Court

Tyler, Texas 75703

Direct Line: 903-561-6928

Mobile: 903-618-0066

E-mail: bob.turner@narecruiting.net or dr.bobturner@earthlink.net

Web Site: www.narecruiting.net

Principal Engineer (or Sr. Engineer, DOE), Chemical

- Bachelors in Chemical Engineering or equivalent required., M.S. in ChE a plus
- Minimum 10 years chemical engineering experience
- Experience in design of chemical facilities modifications required
- Worked in a Union Environment a plus

It is Fortune 100 company, location IL

If you have any questions please let me know

Best regards,

Nina Morozova, PhD

941-923-9007

www.talenteverest.com

Power Generation Excitation and Controls National Sales Manager

Sales Manager with 10+ years of Power Industry Controls experience to sell excitation systems, maintenance/repair services, and controls retrofits into the industrial and utility steam turbine markets. The position requires a BS Degree in Engineering or equivalent experience in controls and excitation products and services. Digital & Analog Control System, Excitation System and Turbine Hydraulics knowledge required as well as understanding of the Steam Turbine technology. The successful candidate must have well developed sales skills, be self-managed, computer literate, have strong interpersonal skills - both written and verbal - demonstrated ability to close orders and experience with the proposal & bid preparation process. This position will report to CSD located in Ft Collins, CO. Relocation not required; significant domestic travel. Pay: 80k – 100k base, 60k commission, benefits.

Send your resume to krobinson@METSjobs.com or contact Kim Robinson 770-754-9200.

Kim Robinson, Managing Partner
METSjobs
316 Maxwell Road, Suite 400
Alpharetta, GA 30004
770 754-9200 office
770 751-1728 fax

SR. PROCESS ENGINEER

Location: Tyler, Texas
Presented by North American Recruiting and Consulting
Job Code: CRT0697

Client Summary:

Our client is directly involved in: Process Solutions for the Oil and Gas Industry

They are a global provider of process equipment packages and separation products to the oil and gas industry. Using both cutting edge and conventional technologies, they aim to supply their customers with the most cost effective solution that helps them achieve product specifications.

Although their emphasis is in the oil and gas industry, their products and services are applicable to others including petrochemical, refining, steam production and power generation. Their goal is to be the leader in oil and gas separation technologies through a talented and innovative workforce and their commitment to product development.

They were founded and incorporated in 1985 to design and manufacture process equipment packages and custom designed process internals. Since their inception almost 20 years ago, many of their customers have been E&C companies, fabrication companies, or vessel suppliers. Companies familiar with our client have enjoyed their quality products and on-time deliveries. They continue to receive the highest honor possible from their customers; that is, their repeat business. Our client is known as an expert in the design and supply of process equipment and custom separation products for both onshore and offshore projects.

Their focus is to provide optimal solutions for the entire production system through an integrated design approach using our state-of-the-art separation technologies and know-how.

Essential Functions:

- Assist Engineering Manager with detailed process design work
- Design and size oil, water and gas separation equipment and processes and our client's specialty equipment
- Review drafting work on participating projects
- Perform heat and material balance calculations to provide equipment operational changes
- Perform Computational Fluid Dynamics analysis on vessels and our client's proprietary equipment using Gambit and Fluent software
- Assist Engineering Manager with verifying accuracy and applicability of our client's Intellectual Process Property
- Review production and analyze the client's designs for possible improvement
- Visit and provide clients with ideas in discussions on their projects
- Communicate with other engineers to provide technical assistance
- Serve as Process Engineering Representative in production meetings in the absence of Engineering Manager
- Participate in team projects to develop customized software and troubleshoot operational problems

- Attend seminars/conferences for collecting ideas and keeping abreast of technology changes
- Product development participation
- Develop/verify/secure usage of in-house software
- Assist sales department with proposal development and client interaction
- Coordinate with other of our client's engineers to update, verify, approve and issue their Intellectual Process Property

Knowledge, Skills and Abilities:

Engineering and Technology — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.

Mathematics — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

Design — Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.

English Language — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Physics — Knowledge and prediction of physical principles, laws, their interrelationships, and applications to understanding fluid and material used in this industry.

Administration and Management — Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Mathematics — Using mathematics to solve problems.

Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Active Learning — Understanding the implications of new information for both current and future problem-solving and decision-making.

Coordination — Adjusting actions in relation to others' actions.

Operations Analysis — Analyzing needs and product requirements to create a design.

Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Time Management — Managing one's own time and the time of others.

Oral Comprehension — The ability to listen to and understand information and ideas

presented through spoken words and sentences.

Written Comprehension — The ability to read and understand information and ideas presented in writing.

Oral Expression — The ability to communicate information and ideas in speaking so others will understand.

Speech Recognition — The ability to identify and understand the speech of another person.

Deductive Reasoning — The ability to apply general rules to specific problems to produce answers that make sense.

Speech Clarity — The ability to speak clearly so others can understand you.

Problem Sensitivity — The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.

Additional Needs:

- Able to analyze complex or diverse process engineering information
- Able to delegate work assignments, give authority to work independently, set expectations and monitor delegated activities
- Able to include staff in planning, decision making, facilitating and process improvement
- Able to identify and resolve problems in a timely manner and gather information skillfully
- Able to speak clearly and persuasively in positive or negative situations, demonstrates group presentation skills and conduct meetings
- Gives high attention to details
- Willing to make decisions
- Make timely decisions
- Exhibit sound and accurate judgment
- Prioritize and plan work activities
- Use time efficiently
- Develop realistic action plans
- Actively promote and personally observe safety and security procedures

Supervisory Responsibilities:

- Process Engineers

Working Conditions:

- Office environment
- Possible domestic and international travel

Minimum Qualifications:

- Bachelor's Degree in Chemical Engineering
- 5 years relevant experience in oil and gas process engineering
- Immediate availability for employment in U.S.

Success Factors:

Detail oriented, honest, friendly, efficient

Compensation:

Base Salary Range (doe): \$80-100K; This position IS BONUS ELIGIBLE; Excellent Relo;
Excellent Benefits Package

Contact Information:

Bob Turner, Ed. D., President
North American Recruiting and Consulting
826 Ashford Court
Tyler, Texas 75703
Work Phone: 903-561-6928
Mobile Phone: 903-618-0066
E-mail: bob.turner@narecruiting.net or dr.bobturner@earthlink.net
Web Site: www.narecruiting.net

SR. Project Manager

Location: Tyler, Texas
Presented by North American Recruiting and Consulting
Job Code: CRT0710

Client Summary:

Our client is directly involved in: Process Solutions for the Oil and Gas Industry

They are a global provider of process equipment packages and separation products to the oil and gas industry. Using both cutting edge and conventional technologies, they aim to supply their customers with the most cost effective solution that helps them achieve product specifications.

Although their emphasis is in the oil and gas industry, their products and services are applicable to others including petrochemical, refining, steam production and power generation. Their goal is to be the leader in oil and gas separation technologies through a talented and innovative workforce and their commitment to product development.

They were founded and incorporated in 1985 to design and manufacture process equipment packages and custom designed process internals. Since their inception almost 20 years ago, many of their customers have been E&C companies, fabrication companies, or vessel suppliers. Companies familiar with our client have enjoyed their quality products and on-time deliveries. They continue to receive the highest honor possible from their customers; that is, their repeat business. Our client is known as an expert in the design and supply of process equipment and custom separation products for both onshore and offshore projects.

Their focus is to provide optimal solutions for the entire production system through an integrated design approach using our state-of-the-art separation technologies and know-how.

Summary:

This position is responsible for the management of projects from contract award through delivery of both domestic and international projects.

Essential Functions:

- * Perform detailed check of the specified scope and engineering requirements of the project
- * Prepare Project Execution Plan including preparing and monitoring project schedule for engineering, drafting, procurement and fabrication
- * Complete coordination and expediting of all project requirements through all departments and disciplines, including engineering, procurement, QA/QC and detailed involvement in all aspects of the fabrication at the workshop level, including being stationed at overseas fabrication yards for the final stages of fabrication
- * Focal point of communication between all parties involved in the project, i.e. client, third party inspectors, sub-vendors, in-house departments
- * Evaluation of sub-vendor tender proposals, based on technical and customer requirements with the Procurement Manager with the responsibility to give overall approval to all purchases on the project

- * Meet project delivery and budget constraints and reporting cash flow to President, Vice President and Controller
- * Quality control of projects, ensuring package is manufactured in accordance with the client specification and general fabrication standards
- * Review, verification and control of all project documentation
- * All project liaison between clients and sub-vendors on a daily basis
- * Address and follow up all technical/commercial issues and clarifications with client and sub-vendors
- * Update senior management (General Manager, President and Vice President) regularly on project progress and report any major concerns
- * Responsible for approving all project invoices
- * Confer with management, production, engineering and marketing staff to discuss project specifications and procedures
- * Coordinate and direct projects, making detailed plans to accomplish goals and directing the integration of technical activities
- * Plan and direct the design, installation, fabrication and testing of facilities and equipment
- * Direct, review, and approve product design and changes
- * Recruit employees, assign, direct, and evaluate their work, and oversee the development and maintenance of staff competence
- * Prepare budgets, bids, and contracts, and direct the negotiation of research contracts
- * Develop and implement policies, standards and procedures for the engineering and technical work performed in the department, service, laboratory or firm
- * Perform administrative functions such as reviewing and writing reports, approving expenditures, enforcing rules, and making decisions about the purchase of materials or services
- * Review and recommend or approve contracts and cost estimates

Work Activities:

1. Communicating with Supervisors, Peers, or Subordinates — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person
2. Making Decisions and Solving Problems — Analyzing information and evaluating results to choose the best solution and solve problems
3. Getting Information — Observing, receiving, and otherwise obtaining information from all relevant sources
4. Communicating with Persons Outside Organization — Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail
5. Updating and Using Relevant Knowledge — Keeping up-to-date technically and applying new knowledge to your job
6. Coordinating the Work and Activities of Others — Getting members of a group to work together to accomplish tasks
7. Establishing and Maintaining Interpersonal Relationships — Developing constructive and cooperative working relationships with others, and maintaining them over time
8. Analyzing Data or Information — Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts
9. Guiding, Directing, and Motivating Subordinates — Providing guidance and direction to subordinates, including setting performance standards and monitoring performance
10. Identifying Objects, Actions, and Events — Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events

Supervisory Responsibilities:

Supervise 1-2 project engineers/or assistants on a project specific basis. This position reports to the General Manager and the President/CEO

Knowledge, Skills and Abilities:

- * Able to analyze complex or diverse information
- * Able to delegate work assignments, give authority to work independently, set expectations and monitor delegated activities
- * Management experience is a MUST
- * Needs to show ability to manage project teams
- * Able to include staff in planning, decision-making, facilitating and process improvement
- * Able to identify and resolve problems in a timely manner and gather information skillfully
- * Able to speak clearly and persuasively in positive or negative situations, demonstrates group presentation skills, and conducts meetings
- * Requires very high attention to details
- * Willing to make decisions in a timely manner
- * Make timely decisions
- * Exhibit sound and accurate judgment
- * Prioritize and plans work activities and uses time efficiently
- * Use time efficiently
- * Develop realistic action plans
- * Actively promote and personally observe safety and security procedures
- * Use equipment and materials properly

Working Conditions:

Office, shop, domestic and regular international travel
Some assignments may require up to 3 months travel duration

Minimum Qualifications:

1. Bachelor's degree in Engineering (preferable chemical)
2. 5 years of experience in project management
3. 5 years of experience in oil and gas industry (FPSO or Glycol packages Preferred)
4. Overseas experience (S.E. Asia) preferred
5. Immediate availability to work in United States

Success Factors:

Detail oriented, team oriented, proficient, honest, leadership abilities

Compensation:

\$80-120 K (doe) Plus Bonus; Excellent Health Benefits; Vacation; Relo Package; Great Professional Growth Opportunities

Contact Information:

Bob Turner, Ed. D., President
North American Recruiting and Consulting
826 Ashford Court
Tyler, Texas 75703
Direct Line: 903-561-6928
Mobile: 903-618-0066
E-mail: bob.turner@narecruiting.net or dr.bobturner@earthlink.net
Web Site: www.narecruiting.net

Project Engineer (Two Positions Available)

Location: Tyler, Texas

Presented by North American Recruiting and Consulting

Job Code: CRT0709

Client Summary:

Our client is directly involved in: Process Solutions for the Oil and Gas Industry

They are a global provider of process equipment packages and separation products to the oil and gas industry. Using both cutting edge and conventional technologies, they aim to supply their customers with the most cost effective solution that helps them achieve product specifications.

Although their emphasis is in the oil and gas industry, their products and services are applicable to others including petrochemical, refining, steam production and power generation. Their goal is to be the leader in oil and gas separation technologies through a talented and innovative workforce and their commitment to product development.

They were founded and incorporated in 1985 to design and manufacture process equipment packages and custom designed process internals. Since their inception almost 20 years ago, many of their customers have been E&C companies, fabrication companies, or vessel suppliers. Companies familiar with our client have enjoyed their quality products and on-time deliveries. They continue to receive the highest honor possible from their customers; that is, their repeat business. Our client is known as an expert in the design and supply of process equipment and custom separation products for both onshore and offshore projects.

Their focus is to provide optimal solutions for the entire production system through an integrated design approach using our state-of-the-art separation technologies and know-how.

Essential Functions:

- Apply standard practices and techniques and follow operation through series of steps and processes
- Review P&ID's, PFD's and all other project documentation
- Provide instrument engineering support to the procurement team
- Provide project engineering support to the engineering team
- Perform detailed check of the specified scope and engineering requirements of the project
- Project liaison between clients and sub-vendors on a daily basis
- Prepare RFQ files for procurement team and liaison with vendors
- Evaluation of sub-vendor tender proposals, based on technical and customer requirements
- Quality control of projects, ensuring package is manufactured in accordance with the client specification and general fabrication standards

Supervisory Responsibilities:

- None

Knowledge, Skills and Abilities:

- Able to analyze complex or diverse information
- Able to delegate work assignments, give authority to work independently, set expectations and monitor delegated activities
- Able to include staff in planning, decision-making, facilitating and process improvement

- Able to identify and resolve problems in a timely manner and gather information skillfully
- Able to speak clearly and persuasively in positive or negative situations, demonstrates group presentation skills, and conducts meetings
- Gives high attention to details
- Willing to make decisions
- Make timely decisions
- Exhibit sound and accurate judgment
- Prioritize and plans work activities
- Use time efficiently
- Develop realistic action plans
- Actively promote and personally observe safety and security procedures
- Use equipment and materials properly

Working Conditions:

- Office, shop, domestic and international travel (MUST BE WILLING AND ABLE TO DO INTERNATIONAL TRAVEL—UP TO 30%)

Minimum Qualifications:

- Bachelor's degree in Engineering required, chemical or mechanical preferred
- Experience with FPSOs, (Glycol) Preferred
- Immediate availability to work in United States

Success Factors:

Detail oriented, team oriented, proficient, honest, leadership abilities

Compensation:

Base Salary \$55-70 K (doe); This position is Bonus Eligible; Excellent Benefits; Excellent Relo Package

Contact Information:

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E-mail: bob.turner@narecruiting.net or dr.bobturner@earthlink.net
Web Site: www.narecruiting.net

Junior to Mid-Level Chemical or Mechanical Engineer

Location: Northern West Virginia/Ohio border.

Experience: 1-6 years in a production environment; knowledge of any of the following is a plus: predictive maintenance, equipment reliability, process improvement, capital projects & cost control. If that person had some training in six sigma &/or lean manufacturing & if they've worked in an FDA environment, so much the better.

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