

JOB VACANCY ANNOUNCEMENT

Senior Specialist – Engineering

IFDC – An International Center for Soil Fertility and Agricultural Development – seeks a senior-level Engineer to work in its Fertilizer Materials Program, Research and Market Development Division (RMDD). The duties of the Senior Specialist – Engineering will include research and development of many types of fertilizers and fertilizer intermediates at IFDC Headquarters, analysis and recommendations regarding fertilizer processes at production sites worldwide, and training regarding fertilizers and fertilizer production processes at IFDC Headquarters and venues worldwide.

POSITION DESCRIPTION

The Senior Specialist - Engineering will contribute to and ensure the successful implementation of short-term and long-term research and development projects at laboratory scale and pilot-plant scale, working with chemical engineers, other specialists, technicians and laboratory analysts, and in the Fertilizer Materials Program. The Senior Specialist – Engineering will be expected to serve as project leader or act a team member with other IFDC staff in developing novel fertilizer materials, improving the efficiency and cost effectiveness of fertilizer production processes, and providing training regarding fertilizer materials and fertilizer production processes. The Fertilizer Materials program works closely with other IFDC programs, e.g. the Soil and Nutrient Dynamics Program and the Policy, Trade and Markets Program, the world fertilizer industry, advanced research organizations, universities, other international agricultural research centers, and national agricultural research and extension systems of developing countries. For more information about IFDC programs visit our web page at <http://www.ifdc.org>.

QUALIFICATIONS AND SKILLS REQUIRED

This position requires a significant knowledge of fertilizers, as well as chemical engineering, economics, computer operations and concepts and methodology of scientific research. The individual in this position will use his or her knowledge with others to design and conduct experiments and to analyze fertilizer production processes and make recommendations to more efficiently and economically produce fertilizers. Candidates should provide a curriculum vitae and documentation that indicate they satisfy or exceed the following minimum qualifications, skills and competencies:

- Minimum of Bachelor's degree in chemical engineering.
- Minimum of 10 years experience in the fertilizer sector including significant industrial experience.
- Computer literacy with common software used in engineering and scientific applications. Experience using computer-assisted design (CAD) is desirable, though not required.

- Ability to communicate effectively in English, both orally and in writing. Extensive writing of reports in English will be required. Candidates should submit a list of publications, and candidates with industrial experience should submit a list of significant reports they have authored or coauthored.
- Willingness to work in a wide variety of situations including but not limited to laboratory and pilot plant operations, fertilizer-related desk studies, field operations including fertilizer plant assessments and/or providing engineering assistance in fertilizer sector studies and conducting training programs or workshops.
- Demonstrated ability to develop proposal or contracts.
- Demonstrated ability to budget, plan and monitor projects.
- Ability to apply acquired chemical engineering skills, knowledge of fertilizer production and production economics to answer technical questions, infer outcomes of alternative operating procedures, prepare processing designs, calculate investment and production costs of projects and perform cash flow analysis.
- Willingness and ability to work effectively in multicultural and multidisciplinary teams.
- Ability to coordinate and motivate project team members.
- Ability to work with limited supervision and when provided with general instructions.
- Ability, within budget and on-time, to produce honest and accurate results in meeting the objectives of projects.
- Ability, when confronted by unforeseen situations, to devise ways and means to overcome unplanned obstacles and achieve project objectives within budget and on-time.
- Ability to relate to and interact with others in a positive way that results in cooperation, mutual respect and common benefit.
- Willingness and ability to travel, as needed, on a world-wide basis.

BENEFITS

The salary will be paid in U.S. dollars commensurate with experience. The benefits package is competitive with similar positions at other International Agricultural Research Centers (IARCs). The employee benefits package will include annual and sick leave; insurance (medical, life, AD&E, LTD, medical evacuation); retirement; and applicable posting allowances.

POST

This position will be posted at IFDC Headquarters, Muscle Shoals, Alabama. Significant international travel is required.

APPLICATION

Qualified applicants are invited to send their résumé or CV to the Personnel Office, IFDC, via email to ahammock@ifdc.org. Please reference the job title **Senior Specialist – Engineering** in the subject line of your email. Screening of applications will begin immediately and will continue until the position is filled.