



# Internal Job Posting

## DEVELOPMENT ENGINEER, LDPE PRODUCTS

The LDPE Development Engineer will support the engineering department's efforts to design, develop and validate the KMT line of McCartney products for the low density polyethylene industry. The position will be focused on system engineering of the products

### ESSENTIAL FUNCTIONS

Other duties may be assigned as required.

- Review and interpret customer specifications provided with customer inquiries
- Complete preliminary system design to develop component specifications for pump and valve assemblies
- Validate system models used for sizing components
- Develop General Arrangement Drawings, P&ID (Piping and Instrumentation Drawings) and construct bills of materials for system design documentation
- Design and develop remote/local hydraulic control systems for intensifier pumps
- Develop test plans and lab releases required to develop and validate designs
- Execute test plans and write test reports to summarize and document results
- Provide technical input for creation of Installation and Operation Manuals
- Support as necessary project management tasks including:
  - Generation of required customer documents
  - Periodic customer contact for updates
  - Coordination of assembly certification (ATEX, CE, etc.) per specification
- Support as necessary sales visits, troubleshooting and equipment commissioning at the customer sites.
- Some travel may be required, possibly overseas where a passport will be necessary.

### QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Must have strong problem solving skills
- CAD experience, 3-D preferred
- Good mechanical and electrical technical skills
- Familiarity with P&ID documents
- Positive attitude and strong initiative

**EDUCATION AND EXPERIENCE**

- 4 year mechanical engineering degree, preferred
- Working knowledge of industrial hydraulic and electrical systems
- Experience with industrial hydraulic control systems
- Hands on experience with data acquisition and instrumentation

**LANGUAGE SKILLS**

- Strong English verbal and written communications skills
- Ability to read, analyze and interpret general and business periodicals, professional journals, technical procedures or governmental regulations.
- Ability to write test reports, business correspondence and provide technical input for procedures, specifications and manuals.
- Ability to effectively present information and respond to questions from groups of managers, clients, customers and the general public

**PHYSICAL DEMANDS**

- This position requires occasional work on mechanical and electrical systems and may require lifting of objects in the range of 50 lbs.

**APPLICATION PROCESS:**

Internal job applications will be accepted from 10/24/2011 through 5:00 p.m. 11/04/2011. Submit completed applications to Human Resources. All applicants will be interviewed and all qualified candidates will be considered for this employment opportunity.

Posted by: \_\_\_\_\_

Date: \_\_\_\_\_

Removed by: \_\_\_\_\_

Date: \_\_\_\_\_