

Job Description

POSITION DESCRIPTION

Title:	Hydro/Clean Power (HCP) Application Engineer
Division:	Thordon Bearings - Thordon HCP Business Unit
Department:	Engineering

The Company

Thordon Bearings Inc. designs and manufactures a complete range of polymer bearing and shaft line products for the marine, clean power generation, pump, offshore and industrial markets. Thordon's strong global brand is known for high quality and superior performance, eliminating oil and grease from bearing applications in ships, hydro-turbines, vertical pumps and many other applications.

Thordon products typically operate with water or dry in slow oscillatory applications, eliminating any use of grease or oil. All products offer an exceptional wear life, a low coefficient of friction, and are very easy to install on site.

We provide engineered solutions and offer worldwide technical support through an extensive distribution and service network. www.thordonbearings.com

Position Purpose and Objectives

As a key member of the Hydro & Clean Power Business Unit at Thordon Bearings, the Application Engineer will be responsible for preparing technically sound solutions to support both internal and external customers, and taking primary direction from the HCP Business Unit Manager.

Duties and Responsibilities

- Engineering design calculations to support bid preparation and customer or distributor support via email, telephone, etc.
- Develop and present conceptual designs to retrofit existing turbines with new bearing and shaft sealing solutions for hydro utilities and other end-users, as well as design of products for new build turbines for OEM customers
- Coordination with CAD Designers to ensure mechanical drawings are prepared to support customer's needs and manufacturing requirements
- Regular interaction with manufacturing to ensure designs and drawings are produced and cost effective

- Attend and participate in Project Planning meetings at the start of new projects
- Coordination with quality control department to ensure ITP's are properly written and executed to support the project
- Provide support to business expansion projects, including development of new hydro component manufacturing initiatives
- Support Global Service & Support technicians with technical advice and technical direction
- Works closely with Hydro Customer Service Specialist to prepare technical documentation required for quotes, orders & project proposals (drawings, schematics, O&M manuals, etc.)
- Provide engineering support to other departments as required
- Worldwide travel may be required for occasional on-site supervision and/or customer visits
- Must be able to react to change productively and to undertake other tasks as assigned

Knowledge, Skills and Abilities Required

- Ability to speak effectively to customers or employees of organization
- Ability to solve practical problems
- Leadership skills
- Computer literate – Microsoft Office, Solid Works, AutoCAD
- Team player with excellent communication skills
- Ability to read blueprints and engineering drawings
- Self motivated with ability to work independently
- Ability to multi task and prioritize tasks accordingly

Supervisory Responsibility

None at first, may increase with experience.

Physical Demands

While performing the duties of this job the employee is regularly required to sit, stand, walk, and talk or hear. This employee is also subjected to continual computer use.

Working Conditions

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. The employee is subject to the conditions of an office environment most of the time. Occasionally the employee may be subjected to outdoor conditions, noise or other industrial hazards while visiting clients in hydro power stations or other industrial facilities.

Minimum Qualifications

Engineering Degree, with minimum 5 years working experience

Licensed Professional Engineer (P.Eng)

Hydropower industry knowledge is a benefit

Contact Information:

Please submit your resume outlining experience & qualifications to Donna Mason, HR Manager at Thordon Bearings. donnam@thomson-gordon.com