



JOB DESCRIPTION

Department: Applications
Job Title: Applications Engineer – Mechanical
Reports to: Executive Vice President
FLSA: Exempt

General Summary:

Provide Engineering support during pre-sale activities and serve as a technical resource in servicing our products. Quoting OEM components, costing/estimating, quoting retrofits and any other required upfront engineering for sales. Application reviews for sold orders, define equipment specifications, and hand-off projects to engineering, requiring involvement with Engineering, Sales, and Customers. Assist and/or run product testing in Lyco's Test Lab as needed.

Principal Accountabilities:

- Prepares and checks sales application drawings including pre-approval drawings and plant layout within proposed contract scope while meeting customer needs.
- Works with Sales, Customer, and Vendors to spec and quote 3rd party equipment (Gearboxes, pumps, heat exchangers, chillers, conveyors, bulk handling systems, etc.) Quote refurbishments for existing equipment. Support sales for used equipment retrofits, etc.
- Performs field surveys when necessary to ensure designed system will fit customer's manufacturing area structure. Coordinates survey findings with drawings/layouts as well as Project Engineers and the various trades.
- Makes suggestions for design modifications to facilitate building obstructions, utilities or product quality issues.
- Understands and applies Lyco engineering/design standards and practices, quality system procedures and other standards/procedures as appropriate to the applications function.
- Works closely and communicates with Project Engineers, Sales, Estimating, Manufacturing, Installation and Service to coordinate pre-sales design issues and pre-approvals.
- May represent Lyco in matters of coordination and technical assistance related to the detail design drawing aspect of the project.
- Maintain and expand drawing database used as a resource to the Sales department.
- Assist with product testing when required in Lyco testing facility as needed with customers on sight at Lyco. Occasionally testing is required at customers location with Lyco Simulators.
- Assisting with machinery manuals prior to equipment shipping.
- Assist with supporting service as needed.
- Performs additional duties as assigned by Executive V.P.



Knowledge, Skills and Abilities Required:

- Two-year associate degree in Technology Management or Computer Aided Drawing (CAD).
- Proficiency in latest computerized design applications (e.g. AutoCAD, Pro-E, Inventor).
- Minimum three years of experience within manufacturing or applications related CAD work (sales proposals,
- Good analytical and problem solving, verbal and written communication skills to work effectively within a team environment.
- Ability to effectively check all drawings for errors or deviations from standard practice prior to submittal to customers or manufacturing.

Areas Supervised:

- None, although may be responsible for development of designer co-workers as required.

Scope Data (budget accountability, operating revenues, organizational unit responsibility, number of employees supervised, and other pertinent numeric data):

- Works and interacts alone or with Salespeople, Applications Engineers, and/or Production Engineering team.
- Sales quotes and sales applications varying in scope.
- May occasionally interact directly with outside customers and/or vendors.

Description of physical working environment:

- Works in normal office environment and makes occasional client visits requiring air travel or driving personal vehicle. When in office, regularly works from a sitting position at a computer. Repetitive typing and computer use is required.
- Works at manufacturing site to survey conditions and resolve coordination issues with trades.
- Ability to climb up and down ladders, steps, catwalks and machinery at site is required.
- Ability to travel up to 15% required.