



JOB TITLE: Systems Engineer
REPORTS TO: Sr. Manager of Project Engineering
FLSA STATUS: Exempt

JOB LOCATION: San Diego, CA
POSITION TYPE: Full-Time

JOB PURPOSE:

The Systems Engineer is responsible for assisting in the effective design, product specification, production, and implementation of high-quality LED lighting solutions that meet Environmental Light's high standards and the requirements of our customers by using the methods and tools provided by the Project Engineering Department.

JOB DUTIES & RESPONSIBILITIES:

- Sales Support
 - Work directly with the Systems Engineering Manager to ensure assigned LED lighting and control systems from Environmental Lights are executed efficiently and effectively. This includes but is not limited to the following:
 - Coordinate the review of large projects, Custom Product Requests, and New Product Requests with the Sales team and Product Development team ensuring all technical specifications are provided and met for each individual project or product.
 - Assist in the troubleshooting processes for Inside Sales Engineers and Vertical Sales Engineers to free up resources for the sales process.
 - Complete assembly review and approval of any order including more than 50 custom cuts and solders.
 - Complete system review of large orders to ensure Environmental Lights has done their due diligence to provide high-quality and complete working LED lighting solutions saving Environmental Lights resources (time, money, etc.) on the back end of business.
 - Provide the Sales Engineering team with CAD drawings, wiring diagrams, network schematics, technical documents, site visits, or any other resource needed to expedite the sales process and free up valuable time of the Sales team.
 - Provide the Sales Engineering team with creative engineering solutions using new products and continuing education based on consistently evolving industry best practices.
 - Use Salesforce.com and Netsuite to the fullest extent possible and as described and required by Management.
- Vertical Market Support
 - Work directly with the Vertical Sales Engineers to ensure critical vertical projects are designed, specified, presented, and executed according to the standards of each client and those held by Environmental Lights. This includes but is not limited to the following:
 - Assist the training and development of the Vertical Sales Engineers to be technically proficient within their individual vertical market.
 - Provide oversight and resources needed to properly specify and support the LED lighting and control systems for Vertical Sales Engineers ongoing projects.
 - Interface directly with customers and sales teams and provide high-quality and innovative solutions.
 - Provide on-site support during major installations to ensure the smooth implementation of Environmental Lights' products adding value to our customers.



- Custom Assembly Operations
 - Monitor the workflow for the Custom Assembly process and provide insight to the Systems Engineering Manager to ensure a smooth process from the Sales Engineer through shipment of the final product.
 - Implement time studies to work towards job time estimates.
 - Development of cost analysis of our Custom Assembly process.
 - Implement continuous improvement opportunities within the custom assembly process from pick to package to shipment of our custom projects.
- Engineering Support
 - Review requests from Sales Engineers and Vertical Sales Engineers and pass to Development Engineering team to ensure all the proper specifications are requested, and procured from our vendors for large projects, custom projects, and new products.
 - Provide Voice of Sales and Voice of Customer to the Development Engineering team throughout the product procurement process.
- New Market Research and Knowledge Base
 - With the rapid growth of Environmental Lights and the necessity to continue to evolve, it is imperative we continue to discover the means of tapping into new industries and technologies. Some examples are Mass Data Transfer (RDM & Art-Net), Lighting design software, parking structures, hospitals, neon replacement, etc.
 - Continue the development of Environmental Lights' living Knowledge Base
- New Employee Development
 - Continue the development of materials for our Training Program.
 - Guided training to new Sales Engineers and Vertical Sales Engineers.

QUALIFICATIONS & SKILLS:

- Bachelor's degree in Engineering;
- 2-5 years of industry experience, particularly designing, coordinating and implementing lighting systems;
- Deductive reasoning, critical thinking and visualization skills, technical writing;
- Complex problem solving ability;
- Detail-oriented, accurate and organized work style;
- Excellent communication, time management and multi-tasking skills;
- Manual dexterity;
- Proficiency in SolidWorks and Microsoft Office, particularly in Excel, Visio and PowerPoint.

PHYSICAL REQUIREMENTS:

- Able to sit for extended periods of time throughout employee's shift.
- Ability to type and view/use a computer throughout entire shift.

We are an Equal Opportunity Employer dedicated to a diverse work force and drug free workplace.