

Optical Design Engineer (Defense / Aerospace)

Company: Defense Division of international optics organization
Location: Rochester, NY
Reports to: Division President
To Apply: <http://www.maxhire.net/cp/?E55E6F361D43717B7E51122B77511F2604>

Challenge:

We need an Optical Design Engineer who breaks stereotypes – someone who likes to partner with clients, win bids, develop new business, and oversee programs and projects from start to finish.

Organization Overview:

Our client is an entrepreneurial group within an international organization of world-leading optics companies, with locations throughout the US, Europe and Asia.

They have an enviable reputation spanning over 100 years for providing advanced optical systems, equipment, modules and components for a diverse range of civilian and defense applications. This position is within their Defense Group.

Reward:

In this role, you'll have a chance to leverage your optical engineering aptitude and leadership capability to directly impact company growth. You'll also enjoy the flexibility of a small company culture, however, with the resources of an international organization. You will receive a competitive compensation and benefits package.

Expected Results:

1. Develop proposals and statements of work that accurately capture client requirements in terms of scope, schedule and cost.
2. Develop optical designs that fully align to client requirements.
3. Win contracts
4. Drive program management initiatives to ensure (distributed) solutions delivery is completed with predetermined quality, cost and schedule metrics.
5. Provide "after the sale" support as required by clients.

Qualifications:

- US Citizenship required due to governmental requirements
- Knowledge and experience in free space optics, imaging optics and optical systems design for both Visual and Infrared spectrums
- State-of-the-art product/systems development experiences for volume production
- Experience with optical design and analysis software (e.g. Zemax, CodeV, FRED)
 - Knowledge of opto-mechanical assembly techniques
 - Strong analytical and practical knowledge of geometrical and physical optics
 - Solid understanding of statistical methods and design of experiments
 - Solid understanding of design manufacturing, including all documentation for the products release to manufacture
- BS degree and 5 years experience in relevant fields or military experience equivalency
- Effective written/verbal communication skills; computing skills (Windows, Microsoft Office)
- National / international travel up to 25%

To be successful in this role, you will need to be influential with clients (prime defense contractors). You will help win bids of all types. You will interact with clients in various capacities, all day long. The ability to balance multiple projects with typically compressed time frames is required. Also required is a high degree of expertise with optical design software (Zemax, CodeV, or FRED).

They need a highly skilled **Optical Design Engineer** with great customer relations / business development skills to work closely with the division's president to:

- **Work with clients** (typically defense prime contractors) on their requirements / specifications
- Translate those specifications to winning proposals and **Statements of Work**
- **Collaborate** with select delivery organizations within the organization to develop a solution
- Take on **program management** responsibility to ensure project is delivered on time, under budget, and within profit guidelines

Their Product Line includes:

- Head-up Displays
- Head-down Displays
- Helmet Mounted Displays
- Laser Protection Filters
- Attack and Navigational Optics
- Missile Detection/tracking Warning Optics
- IR Search and Track optics
- Second surface mirrors
- Infantry Weapon Sights
- Infantry Surveillance Devices
- IR Objective lenses
- Eyepieces
- Magnifiers
- Optical Assemblies
- Laser targeting optics
- Sight modules
- Night Vision Devices
- Law Enforcement Optics
- Surveillance optics
- Photointelligence Image Analysis

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