



## **SI2 Technologies, Inc.**

**267 Boston Road  
N. Billerica, MA 01862**

### *Senior Designer*

SI2 Technologies' (SI2) mission is to enable our country's warfighters to win by providing solutions to RF and survivability challenges. SI2 is currently seeking highly qualified candidates for a detail-oriented Senior Designer with experience in the detailed design, modeling, and manufacture of electro-mechanical RF/microwave products.

#### **Job Description:**

As a Senior Designer at SI2, you will be responsible for supporting the development of our state-of-the-art products by taking the inputs of mechanical, antenna and electronics engineers and designing detailed parts, electronics boards and assemblies based on those inputs. The successful Senior Designer will be able to work with multiple engineering disciplines and address the various design details while also providing guidance on standard electronics and mechanical manufacturing practices. The Senior Designer will also have opportunities to grow with SI2 and should look forward to the challenges that this growth will bring, such as developing new SI2 drafting standards, interfacing with manufacturing shops, and enhancing SI2's configuration management.

#### **Desired Experience:**

- Associate's Degree, CAD certificate program, or equivalent with 8-12 years of electrical and mechanical CAD work for the aerospace and defense industry.
- Expertise with Solidworks and Solidworks add-on modules, such as Sheet Metal. Knowledge of Solidworks electrical and PCB modules is a plus.
- Expertise with a standard electrical CAD software tool, such as OrCAD, Altium, or similar, as well as an understanding of electrical routing. Knowledge of antenna and microelectronics PCB design is a plus.
- Expertise with Geometric Dimensioning and Tolerancing (GD&T).
- Familiarity with typical mechanical and electrical manufacturing and drafting standards, such as ANSI, ASTM, ASM, IPC, and MIL standards.
- Working knowledge of QC/QA procedures. Six Sigma experience is a plus.
- Familiarity with a configuration management system.

#### **Requirements:**

The successful candidate must have the following qualifications:

- US citizenship is required.

- Must be able to contribute to multi-disciplinary programs not necessarily confined to his/her area of expertise.
- Must have good organizational and writing skills; be self motivated, detail-oriented, enjoy teamwork and excel in a dynamic environment.
- Must be able to obtain a DoD Security Clearance. Existing DoD Security Clearance is a plus.
- Occasional travel will be required.

**Environment:**

- **Merit-based Team Work** – We have assembled an action-oriented team of smart, creative and energetic technical and business experts passionate about our mission. The dynamic team is comprised of highly educated and talented people in the fields of electrical, mechanical, materials, manufacturing and aerospace engineering and physics. Our diverse backgrounds, experiences, and perspectives are the keys to our performance. Our team works in an energetic, flexible and small business environment. Each member of the team is offered the reward of individual responsibility with professional mentoring and support to excel and discover his/her full potential to make the greatest impact to the team.
- **Innovative Technology** – We solve complex warfighter problems through “smart” electronic system solutions. Our solutions utilize a combination of conventional and proprietary design, materials and manufacturing techniques to enhance the warfighter's effectiveness while providing increased protection against current, new and emerging threats. Using this technology, our team creates rapid, innovative and cost-effective solutions to the complex and ever-changing battlefield problems facing today's warfighters... We make things smart™.
- **Excellent Compensation** – We believe in rewarding the hard work of our employees with a generous benefits program that we strive to improve and upgrade to meet the needs of our employees. We offer an attractive, complete benefits package, which includes medical, dental, vision, life, AD&D and disability insurance, Flexible Spending – Health and Dependent Care, 401(k), immediate fully vested Company contribution to 401(k) and more. In addition, our employees receive paid time off for holidays, illness, personal use and vacation.