



SI2 Technologies, Inc.

N. Billerica, MA 01862

Senior Antenna/Array Research & Development Engineer

On-site or Hybrid (up to 2 days remote and at least 3 days on site in Billerica)

SI2 Technologies' (SI2) mission is to enable our country's warfighters to win by providing solutions to RF and survivability challenges. Since 2003, our organization has provided innovative, high-technology products to the defense marketplace. Working with both Government agencies and prime contractors as well as universities and non-profits, we have built a team of **smart, creative and energetic technical and business experts** who are passionate about our mission. Our culture can be described as collegial and collaborative with a closely knit team. We live by a set of values that sets us apart from other companies. If these values are meaningful to you, we'd like to talk to you!

Tell It as It Is * Instill Confidence * Positive Attitude * Take Ownership * Problem Solvers * Competitive Spirit

Due to our continued growth, we are expanding our Engineering department and seeking a talented Senior Antenna/Array Research & Development Engineer. In addition to growing the contract R&D business, the Senior Antenna/Array Research & Development Engineer will support our product development and production teams by developing new intellectual property which can be transitioned to product development, as well as providing technical support during product development and through production as needed.

Key Responsibilities:

- Execute & provide systems level expertise on technical tasks on R&D contracts to develop new antenna/array systems, technology and processes for DOD EW, ISR, radar and communication applications.
- Support product development technical activities through the design, development and testing of prototype antenna/array systems.
- Test antenna/array systems, analyze results in comparison to predicted performance and provide assessment of design, manufacturing process and performance. Write technical reports, prepare presentations and present results.
- Support the contract R&D business segment by writing and winning proposals (e.g. Small Business Innovative Research (SBIR) and non-SBIR),
- Support the Program Manager in setting cost and schedule requirements, and support the Business Development Team on other activities(e.g. presentations and white papers).

- Develop trusted partner relationships with both Government and Prime Contractor SME's.
- Maintain up to-date technical and non-technical job knowledge through professional development activities and participation in professional organizations and societies.

The ideal candidate will have the following attributes:

- Must be a US Citizenship able to obtain and maintain a Security Clearance
- M.S. degree in electrical engineering or related field with 5+ years' demonstrated experience in antenna/array systems research and development. A Ph.D. degree in electrical engineering or related field is a strong plus.
- Hands-on experience in the analysis, design, prototyping, and implementation of antenna/array systems for military EW, ISR, radar and communication systems.
- Background in development and analysis of advanced concepts for active phased array and broadband antenna systems. Working knowledge of military EW, ISR, communications and radar systems. Conformal and/or low-profile antenna and array experience is a plus. Absorber design and modelling experience is a plus.
- High proficiency with 3-D full-wave electromagnetic modeling tools such as CST, HFSS, and Microwave Office, as well as simulation tools such as MatLab, Simulink and other internally developed software.
- Exceptional communication skills (both written and verbal) and leadership qualities. Hands-on experience writing, winning and executing R&D contracts and grants, e.g. BAAs, SBIRs, etc., for DoD and/or other US Government agencies. Technical experience working with the DoD and Defense Prime Contractors on contract R&D programs.
- Experience working in a small business environment is a strong plus.
- Occasional travel required.

We know that our greatest strength is our hardworking team, so we make sure that we reward our employees hard work with a people-positive and family-supportive work environment, and...

- **A competitive salary based on experience**
- Annual Merit Increase based on individual performance and company financial performance
 - Quarterly Bonus Based on Company Financial Performance
 - 100% payment of healthcare premiums
 - Vision, dental, life, AD & D and disability insurance
- 401(k) with Company match immediately 100% vested and additional profit sharing!
 - Tuition reimbursement, discounts and deferrals for advanced degrees
 - Generous paid time off
 - Flexible schedules
 - State of the art computer systems
 - Personalized Career Path Development Plan
 - Multiple (COVID-friendly) company social events throughout the year

Work schedule: Monday – Friday

Sign on Bonus for 5 or more years' experience!!

Relocation Assistance Provided!

New employees must present documentation of COVID vaccination

*Be sure to check us out at: www.SI2Technologies.com and follow us on LinkedIn.
#WeMakeThingsSmart*

*If interested in joining our fabulous team and growing company, please send your resume with salary interests to: rightfitrecruiting@comcast.net, **TODAY!***

SI2 Technologies is an Equal Opportunity Employer EEOC - M/F/D/V/VEEO