



Electrical Engineering Group Lead

Hamilton Associates, a diverse, growth-oriented, Lean-driven, ISO-Certified manufacturing company is currently seeking an **Electrical Engineering Group Lead** to join our Air Techniques International (ATI) team. For additional information about our Company and each of our divisions and our product lines, please visit our websites at www.hamiltonassoc.com, www.elscoguides.com, www.atitest.com, and www.dirtkiller.com.

Air Techniques International (ATI), a division of Hamilton Associates, Inc., is the leading designer and manufacturer of specialized test equipment for HEPA and ULPA filters, flat sheet media, filter cartridges and respirators used by virtually all government, military and commercial organizations worldwide. ATI strives to build a brand identity of being known as reliable and easy to work with. Our Customer Service team plays a key role in this strategic goal to establish and engrain that desired brand identity. To help support this desired brand and succeed in achieving our strategic business goals, the company is building an organizational culture of teamwork, engagement, learning, and continuous improvement/innovation.

POSITION OVERVIEW

Reporting to our Engineering Director, we are looking for an **Electrical Engineering Group Lead** to join our growing product engineering team to help us with, designing, developing, documenting, and coordinating major projects within program objectives for our existing and future product releases. The ideal candidate will be responsible for leading, and scheduling activities for the electrical engineering team and ensuring they are completed correctly and on schedule. The **Electrical Engineering Group Lead** will model the behaviors that define ATI's culture of excellence, professionalism and integrity.

Responsibilities include, but are not limited to:

1. Perform all aspects of system engineering including concept, architecture, block/functional diagrams, system level schematics, schematic capture, PCB design, cable assemblies, and complete documentation.
2. Write software/firmware necessary to drive electronic systems.
3. Oversee the core ATI technologies, including signal acquisition and processing, calibration methods and processes, and other key areas for our robust laser and photomultiplier based stand alone and connected instruments.
4. Over the long term, lead transition to connected devices (WiFi, Bluetooth, cellular modem) with an embedded OS architecture where needed
5. Provide trouble-shooting and technical evaluation of existing, new, and custom products.
6. Prepare assembly drawings and instructions for production.
7. Assist with Development of O&M manuals and produce other written technical materials.
8. Assemble and test prototypes.
9. Process change orders, part number requests, and bills of material.
10. Interface with vendors/suppliers.
11. Interface with manufacturing engineering, marketing, purchasing and other cross-functional teams as required

12. Maintain electronic drawing files, specifications and other reference materials
13. Supervises and manages 1-4 direct engineering reports including feedback and mentoring on both technical and professional issues, performance appraisal and review, and recruitment as necessary
14. Team lead responsibilities including task assignment and monitoring, ensuring that schedule, quality and budget goals are met, and interfacing and coordinating with other teams
15. Write and present reports on team status and performance
16. Perform other duties as assigned

Minimum Background and Skills Required:

- B.S. Degree in Electrical Engineering or related field 10+ years of experience in product development, including 5+ years of experience with circuit design and PCB layout
- Experience with measurement instrumentation
- Hardware knowledge, surface mount technology, debugging, PCB manufacturing processes
- Experience in the design of analog and digital electronic circuits including low noise analog circuits, op-amps, filters, A/D and D/A converters, microprocessors, and power supplies
- Development experience with both OS and non-OS based embedded firmware
- Experience with wired and wireless communication
- Experience with software version control systems as well as bug and issue tracking systems
- Familiarity with safety standards and regulations such as CE Marking
- Familiarity with stage gate development and/or Agile development
- Strong organizational skills
- Excellent written & verbal communication skills

Additional Background and Skills Preferred:

- 10+ years developing products of similar scope and complexity to current products
- Knowledge of ISO Quality Systems Requirements
- Familiarity with physics of fluorescence, light polarization and light scattering a plus.
- Familiarity with Altium and/or Autodesk EAGLE

PHYSICAL REQUIREMENTS AND WORKING CONDITIONS

- Light Physical Work
- Walking
- Carrying up to 20 lbs.
- Climbing ladders
- Speaking
- Hearing
- Visual Acuity

COMPENSATION & BENEFITS

We offer an attractive compensation package in addition to a comprehensive benefits program including health insurance, 401(k) plan with matching and profit sharing, generous paid time off (PTO) policy, life & disability coverage, plus much more!

CONTACT US

If you are a driven, results-oriented individual seeking an opportunity to play a key role in the continuing growth of a reputable organization, please forward your resume, in WORD or PDF format, along with your salary history/requirements, to us for immediate consideration: atiengineer.resumes@hamiltonassoc.com

AIR TECHNIQUES INTERNATIONAL

A Division of Hamilton Associates, Inc.

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We are an Equal Employment Opportunity (EEO) employer.

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.