



# CAREERS FOR ENGINEERS

~ Jobs Available ~



September 10, 2010

**This e-blast features ONLY Jobs Available  
Jobs may be full time, part time, temporary, contract, volunteer etc.  
The next e-blast will feature Job Seekers**

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## NEW JOBS AVAILABLE

### JA 109 Part Time Executive Administrator

Job Location: Bethel

#### Job Description:

"Right hand" person to owner of a growing IT Professional Services firm located in Bethel, CT.

#### RESPONSIBILITIES:

- Customer and employee (phone) communication
- Schedule and calendar management
- Contract preparation and execution
- Recruiting
- Researching firms, government entities, contacts, etc on web

#### REQUIREMENTS:

- Excellent organization ability
- Well-versed in MS Office (Outlook, Word, Excel, Powerpoint) and extremely computer literate
- Ambitious and quick learner
- Excellent communication skills

#### Strongly Preferred:

- Recruiting Experience
- Experience with government contracts and proposals at the federal, state, and local level

*Note: Flexible working hours; this position could grow into full-time with more responsibility as time progresses.*

[Email us and note the JA number](#)

### JA 110 Software Programmer

Job Location: East Hartford

#### Job Description:

Full time software developer/programmer to work in the creation of a variety of applications that utilize graphical user interfaces, visualizations, virtual reality, and/or peripheral hardware for welding training and other products

#### RESPONSIBILITIES:

- Participate in research, development, and production of applications

#### REQUIREMENTS:

- BS or MS in Computer Science or a closely related field
- Must work both as a member of a team, contributing to the strategic goals and activities of the larger group and independently with minimal direction
- Excellent written and oral communication skills
- Self-motivated with ability to prioritize

- Strong programming, testing, and debugging skills
- Must be a United States citizen
- One or more years of experience programming or developing in C++ Exceptional programmers with no experience will be considered.
- Demonstrated experience in programming real time applications, visual effects, visualization and programming using 3D graphics and visualization libraries (especially OpenSceneGraph)

**Preferred/Desirable:**

- C++, OpenSceneGraph, Torque
- Knowledge of GPUs, DirectX, OpenGL, and shading languages like Cg
- Windows platform; Linux platform
- Two years or more of experience
- peripheral hardware, and/or user interfaces

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**JA 111 Project Engineer**

**Job Location: Rocky Hill**

**Job Description:**

The Project Engineer is responsible for the support of program management activities related to the development of turbine engines. (S)he supports the coordination of engineering activities including, but not limited to: processing engineering changes, industrial support, special analytical issues, and project status review presentations.

**RESPONSIBILITIES:**

- Support the design, development, repair and certification of turbine engine hardware. In some cases, company is participating in a risk sharing partner mode of cooperation as the design and/or manufacturing responsible party.
- Coordinate the processing of engineering changes to the configuration control process. This involves coordination between the individual multi disciplined international teams, ensuring product integrity.
- Provide industrial support to ensure a smooth flow of parts through the supply chain.

**REQUIREMENTS:**

- U.S. Citizenship or Green Card Holder (Mandatory)
- Four year degree in Mechanical, Aerospace or Manufacturing Engineering or equivalent Gas Turbine Industry experience
- Ability to manage multiple tasks and projects
- Strong communication, organizational, planning, and presentation skills
- Direct experience in maintaining and improving customer relations
- High interpersonal and leadership skills
- Strong working knowledge of Microsoft Word, Excel, Access, Project, PowerPoint, and Outlook

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**Previously Posted Jobs Available:**

***Because these positions have been posted already, some may have been filled.***

**JA 104 Electronics Tech./Jr. Physicist**

**Job Location: Wallingford**

**Job Description:**

Highly specialized opportunity working with very high voltages over 10 kV), high power electronics and X-radiation in a company that manufactures high power X-ray sources for industrial use

**RESPONSIBILITIES:**

- Tuning Linear accelerator elements.
- Hydrogen brazing.
- Linear accelerator assembly.
- Assisting with complete linear accelerator manufacture
- Troubleshoot and repair high power high voltage electronics
- Willingness to travel and service L&W accelerator equipment in the field, including foreign countries.

\*This job is highly specialized and extensive training will be given. Company will bring a suitable candidate in on a one year contract for training and evaluation.

**REQUIREMENTS:**

- BS Physics or EE degree. Knowledge of basic physics and electronics.

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## JA 105 Lead Electrical Engineer

Job Location: Wallingford

### **Job Description:**

Participate in all aspects of the design, development and support of MSI products, regarding both electrical and software disciplines. This hands-on position performs design evaluations, analysis, demonstrations and product verifications.

### **RESPONSIBILITIES:**

#### *Technical:*

- Perform new product design and improvements, including all analysis and evaluation
- Design digital and analog electronics circuits for new products
- Review PCB layouts to ensure proper EMI, EMC and safety concerns are accounted for
- Generate electrical schematics, drawings and wiring diagrams using schematic capture
- Develop firmware for embedded applications using assembler and 'C' code
- Develop low level drivers to integrate new circuitry included custom FPGA designs
- Develop application software to exercise, integrate and validate system designs
- Perform circuit simulation, confirming that designs conform to specifications
- Debug and test software and hardware for complete product integration
- Identify any design constraints
- Lead failure analysis studies suggesting corrective actions considering system impact
- Prepare Acceptance Test Plans (ATP), automated validation test programs/procedures
- Support qualification testing for new products as required
- Support Marketing, Sales, Production, Test and Purchasing as required
- Preparation of all required manufacturing support documentation

#### *Administrative/Project:*

- Manage new product evaluations, development schedules and budgets against cost, availability, commonality and manufacturability
- Coordinate efforts of the development team through the completion of projects
- Mentor electrical engineers and technicians on new design solutions and implementations
- Ensure source revision control for all SW/HW development is properly maintained
- Maintain traceability for design reviews, including test results and all corrective actions

### **REQUIREMENTS:**

- A minimum of 10 years experience in electrical circuit design, including embedded software design and support
- BSEE and BSCS degrees
  - A minimum of an undergraduate in Electrical Engineering and Computer science or equivalent relative experience

#### Technical

- Experienced with integrated design specifications and reviews
- Knowledge of compliance testing requirements
- Experienced with design considerations for improved EMI/EMC
- Good knowledge of military, aerospace and/or industrial standards
- Lead designer experience for improved cost, manufacturability and reliability
- Ability to investigate, select and validate new materials and components
- Experience performing customer specification reviews and proposal preparation
- Good technical writing skills.
- Experience with Engineering Control Documents, ECR/ECO
- Technical support experience for Marketing/Sales, white papers
- Strong real-time embedded software development
- Strong background in software languages: C., C++ and Assembly
- Strong background in real-time embedded operating systems: PSOS, VxWorks, Linux

- Extensive knowledge of Bus Standards / protocols: IP, TCP, RS-232/422, Mil-Std 1553
- Experience in GUI development.
- Experienced with Microchip microprocessors and development tools.

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### **JA 106 Sr. Software Engineer**

**Job Location: Wallingford**

#### **Job Description:**

Lead software projects to successful completion.

Design, implement, test, and debug software per approved requirements and Software Design Specifications. Help assure quality of software at all stages of development and provide support and documentation to internal customers, including Project Management, Quality Assurance, Engineering Management and Marketing. Support the Engineering Department in the execution of goals; and the development of the Department's infrastructure and strategic needs.

#### **RESPONSIBILITIES:**

Technical:

- Software requirements analysis.
- Software design, development, integration and test, verification and support.
- Customer spec review and proposal preparation.
- Technical documentation/manuals.
- Technical support of Marketing/Sales, Production, Test and Materials.

Administrative/Project

- Evaluation – scheduling and budgeting of engineering projects.
- Coordination of efforts of the project team.
- Support electrical project engineers and technicians.

#### **REQUIREMENTS:**

- Ten (10) years minimum in electrical / software design and development.
  - Experience with developing Embedded Firmware for Military and Aerospace applications is a plus
  - B.S. in Computer Science, Software Engineering or Electrical Engineering. M.S. preferred.
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- Strong real-time embedded software development (requirements, design & test, including the use of emulators, o-scopes, and debuggers).
  - Strong background in software languages: C., C++, Assembly Language, Perl.
  - Strong background in Operating Systems: Windows, Linux, Unix.
  - Extensive knowledge of Bus Standards / protocols: IP, TCP, STANAG 4586, JAUS, ARINC 429, RS-232/422, Mil-Std 1553, CANBus.
  - Experience in GUI development.
  - Strong experience in Objected Oriented Analysis and Design, Unified Modeling Language (UML), Data Structure Design and Coding, and Software Performance and Timing Analysis.
  - Strong experience with Microchip microprocessors and development tools.
  - Experience using Ballard Technology and Alta Data Technology Test Tools preferred.
  - Knowledge of basic Mil-Stds, DO-178B and SAE specs.

- Familiarity with XML (Language and Tools) and web-based applications.
- Report problems and risks in a timely manner to appropriate individuals.
- Produce Software Design Specifications from Functional Specifications / Requirements.
- High motivation and a self starter
- Good Planner
- Excellent written and verbal communication skills
- Cooperation and team player

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### **JA 107 Mechanical Design Engineer**

**Job Location: Wallingford**

#### **Job Description:**

Works with development team members to lead the development of Human/Machine Interface (HMI) products through the modeling and detailing of designs. Prepares technical drawings, specifications, proposal and design layouts, and performs other technical work such as checking engineering documentation, preparing of Bills of Materials, running Tolerance Stack-up analysis.

#### **RESPONSIBILITIES:**

- Prepares technical drawings, proposals, design layouts, and details ideas and sketches
- Evaluates manufacturing and machining feasibility of design
- Checks other engineering designs
- Selects and evaluates engineering materials and components
- Assists in design concepts and conducts design feasibility studies
- Handles engineering projects (customer orders)
- Serves as lead to cross-functional design teams to develop new product, address and resolve design issues, and maintain existing designs
- Customer and supplier contact
- Oversees work of Associate Designers
- Planning, scheduling and budgeting of engineering projects

#### **REQUIREMENTS:**

- Three (3) years minimum in design
- At least three (3) years minimum experience in designs of small mechanisms
- Minimum of three (3) years use of SDRS I-deas or Unigraphics NX preferred
- Bachelor's Degree in a technical discipline required; (BSME preferred)
- Strong background as a Mechanical Design Engineer
- Knowledge of materials, parts and processes
- Knowledge of manufacturing and machining techniques
- Knowledge of drawing ANSI standards and GD&T procedures
- Knowledge of basic Mil-Specs and MIL-STD's
- Expertise in parametric CAD design and use of FEA
- Cooperation, team player
- High motivation and drive
- Good communicator
- Good discipline
- Candidate must be self-starter, have hands-on approach and capable to work independently

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### **JA 108 Electrical Controls Engineer**

**Job Location: Glastonbury**

**Job Description:**

Responsible for the design of electrical and software control systems used on custom built test equipment. Serve as a Project Engineer on projects to coordinate all design and fabrication activities and act as primary customer contact.

**RESPONSIBILITIES:**

- Design of electrical control systems
- Create electrical schematics, operator panel and sub-panel layouts
- Select electrical control devices and develop the Bill of Materials
- Support the design, documentation, assembly, integration, test and field support of industrial controls/systems
- Insure design compliance with electrical standards for world-wide installation
- Develop & debug control & data acquisition programs and systems
- Create functional test requirements for equipment checkout
- Insure proper calibration of control system transducers

**REQUIREMENTS:**

*(ALL qualified candidates MUST meet ALL of these Minimum Qualifications. No exceptions.)*

- Working knowledge of PC's, Data Acquisition systems & PLC
- 2 years experience : C/C++ or LabView programming
- 2 years experience: PLC programming
- Demonstrated experience with AC & DC motor controls and industrial heater circuits
- Ability to design relay ladder logic and process control instrumentation circuits
- Demonstrated knowledge of process control & measurement instrumentation and transducers
- BSEE or 5 years experience
- 2 years AutoCAD experience
- A self-starter with demonstrated knowledge of NEC electrical codes & wiring standards for industrial equipment.
- Familiarity with Class I Div I, CE and ATEX requirements
- Good oral & written communications skills
- Development of product operational manuals.
- Proficient in MS Office Apps.
- Ability to understand customer test requirements and suggest improved alternatives.
- Ability to handle several projects at once
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**Preferred:**

- Ability to design mechanical systems including hydraulic and pneumatic circuits
- Hands on troubleshooting experience
- MS Project experience
- Semi-conductor circuit design experience
- 3D CAD experience

\*Position will include some overnight travel. Typically 2-5 days, 10% or less. Overseas travel possible.

\*All candidates must be a U.S. Citizen or currently have a Green Card to be eligible to work in our ITAR environment.

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**Job Description:**

On a corporate basis, establish the firm's needs for a given raw material or group of raw materials and recommend the best strategy for purchasing and supply. Negotiate full Service Level Agreements (SLA's) supporting the SBU's/MDT,s technical and industrial activities. Support activities with confidentiality agreements where required. Work in cooperation with a support team including Technical, Commercial, Production, and Engineering members.

**RESPONSIBILITIES:**

- Forecasts, monitors, maintains records, and reports on material needs and supports activities with confidentiality agreements as required
- Identifies and evaluates materials sources and provides information on competitor dynamics
- Provides data and specifications for new types of materials
- Negotiated pricing and supply conditions as well as payment and transportation terms
- Provides materials strategy and recommendations
- Communicates any significant changes related to materials acquisition process across Commercial, Purchasing, Technical, and Operations Management groups.
- Meets periodically with technical and purchasing groups to review anticipated needs and discuss issues and opportunities.

**REQUIREMENTS:**

- Must have extensive experience with modern Purchasing or Supply Chain Management techniques. A minimum of 10 years of related experience would be required. (IPS or country equivalent)
- Outgoing personality with demonstrated ability to negotiate effectively. High level of assertiveness.
- Excellent written and verbal communication skills.
- Ability to work effectively within a team environment. Ability to work cross functionally.
- Good organizational and analytical skills. Ability to collect and organize information in an effective manner and draw sound conclusions ; Good judgment.
- Ability to travel abroad.
- Must be computer literate with ability to prepare and manipulate spreadsheets from the ERP system and desktop environment to prepare effective written reports.
- *Foreign language capability preferred.*
- *Extensive experience with a particular material or group of materials preferred.*

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**JA 97 Software Engineer**

**Job Location: Danbury**

**Job Description:** Ensure the accurate specification, implementation, releases and support of company developed software products.

**RESPONSIBILITIES**

- Specify requirements, designs, develops, implements, integrates, tests and releases of software for components, equipment systems and products.
- Interface with engineering, manufacturing, purchasing, sales, marketing, vendors and management Develop functional, design, interface and test specifications with minimal supervision.
- Conduct specification/work reviews of designs/implementations under the direction of the project manager and participate in design reviews under the direction of upper level engineers.
- Accurately estimate the time to complete scheduled tasks and regularly evaluate actual versus planned task times, adjusting schedules as necessary.
- Review the design of other engineers.
- Provide technical direction to lower-level engineers.

- Ensure that design implementation, test and maintenance methods/processes are developed as well as executed in a manner, which supports all quality standards.

#### REQUIREMENTS

- Knowledge of practical software solutions, including embedded systems software; able to apply software design techniques
- In-depth understanding of all functional, design and interface aspects of a project at both a sub-system and system level.
- Proficiency with assembly, C, and C++ programming languages and experience with MFC and .NET frameworks.
- Bachelor degree in Engineering with five years plus experience in a related field.
- Fine motor control and motion control experience under hard real time conditions, using servo and stepper experience
- *Medical device software development experience is preferred.*
- *Hands on experience with embedded product development and robotics is a plus.*

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#### JA 98 CMM Programmer/Operator

**Job Location: Bloomfield/Hartford**

#### RESPONSIBILITIES:

- Maintain Quality System with a focus on generating CMM programs based on Engineering data in an offline capacity using CAD models and/or blueprints, and optimizing the utilization of CMM department for the inspection of product.

#### REQUIREMENTS:

- Must be able to operate and/or program DEA CMM with PC-DMIS based software system and/or Zeiss Prismo HTG Vast with UMESS software. Other CMM system experience will be considered.
- Excellent metrology skills
- Proficiency with blueprints, GD&T, and statistics
- Able to analyze and summarize data into a management format.
- Proficient in Quality Engineering skills relating to system maintenance and reporting.

*Drug screen and background check required.*

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#### JA 100 CNC Programmer

**Job Location: Bloomfield/Hartford**

#### RESPONSIBILITIES:

Develops tool path instructions in accordance with standard process instructions and all customer related requirements for material removal parameters. Participates in the selection of cutting tools and creates all tool sheets and program manuscripts and is responsible for adhering to software control policies and procedures. Participates in the execution of the program on the shop floor and ultimately is responsible for the production of conforming parts within the specified time standards.

#### REQUIREMENTS:

- Prior experience in programming **using Unigraphics**
- Familiarity with turning and milling processes in steel, nickel, titanium, aluminum and magnesium alloys
- Experience in the manufacture, integration and testing processes of major rotating jet engine hardware, primarily disks, hubs, shafts/spacers and non-rotating components such as structural cases and gear box housings.
- Ability to multi-task with rapidly changing priorities
- Broad experience of Manufacturing Engineering Principles including knowledge of LEAN and ACE principles and their direct application to Production Line improvements
- Experience working from customer blueprints and specifications to design parts and tooling
- Interpersonal communication (written and verbal) skills

- Excellent organizational, planning and prioritizing skills along with the ability to set schedules and meet deadlines while complying with strict procedural rigor
- Self-starter with exceptional quality of work standards
- Detail oriented
- Oriented towards customer satisfaction
- Must work well in a team setting with the ability to nurture positive relationships with co-workers, employees, key supplies and customers while working with minimal supervision.
- Ability to interpret common aerospace terminology and acronyms along with familiarity with standard contract terms and conditions.
- Solid working knowledge of basic office software such as Outlook, Word, Excel, and Power point.

*Drug screen and background check required.*

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### **JA 101 Quality Technician (Inspector/CMM Programmer-Operator)**

**Job Location: Undisclosed**

#### **Job Description:**

Perform a variety of duties including first piece and final inspection of diversified parts to establish conformance to specifications, blueprints and other technical data. Use a variety of precision measuring instruments to perform dimensional inspections.

#### **REQUIREMENTS:**

Proficient in programming and operating. Coordinate Measuring Machine.

#### **RESPONSIBILITIES:**

- Assist in meeting the customer requirements including directing the activities of inspectors. Work from blueprints, drawings, specifications and other technical data to perform first piece and final inspection activities efficiently to minimize machine downtime. Verify that product meets customer specifications and requirements.
- Perform a full spectrum of dimensional inspections of parts involving extremely close tolerances. Verify that dimensions fall within the parameters of the specifications. Set up and use precision measuring instruments such as dial indicators, micrometers, swing, snap and bore gauges, ID and depth micrometers, shadow graphs, profilometers, optical comparators, etc. Measure height, width, depth, squareness, flatness, surface finish etc. of parts to extremely close tolerances. Inspections may involve construction and set up of specific gauges. Provide training for certified operators.
- Complete required inspection paperwork and reports. Maintain inspection files. Assist in review of purchase orders and certification papers. Inspect, adjust, and verify accuracy of gauges and measuring instruments for conformance to manufacturer's specifications.
- Prepare and calibrate gauging for machine operators to minimize machine downtime. Assist machine operators in setting up and measuring parts. Perform hardness testing and surface temper etch operations as required. Collaborate with process Engineering and Production departments to recommend measures that will improve the quality of the product and increase the efficiency of the process.
- Program and operate computerized measuring machine (CMM). Maintain knowledge of software programs and use judgment in setting up datum on CMM, selection of proper size probes, and selection of proper programs for measurement.
- Report faulty operations, defective material and any unusual situations to supervisor immediately. Wear required protective equipment and comply with all safety rules and procedures during the course of duties. Perform general housekeeping duties and maintain work areas in a clean and orderly condition.
- Regularly assess and report personnel capability to department Manager.

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### **JA 102 Process and Methods Engineer**

**Job Location: Undisclosed**

#### **Job Description:**

Activities include production process planning and engineering; cost estimating; designing, installing and troubleshooting Computerized Numerical Control (CNC) programs (when applicable); generating routing documents and providing operations sketches and technical support for all current and new work.

#### RESPONSIBILITIES:

- Establish process and most efficient sequence of operations for the machining of customer parts.
- Provide prompt and efficient time and cost estimates for each operation to Sales, along with necessary fixtures, tooling and outside processes required for correct part pricing.
- Provide expertise in troubleshooting and resolving process and production-related problems.
- Analyze existing operating methods to initiate and develop new methods to improve production efficiency and part quality.
- Work closely with Quality Assurance to ensure compliance with special production requirements and quality specifications.
- Provide Production Coordinator with information to help determine production schedules as necessary.
- Plan and purchase tooling for upcoming jobs.
- Engineer and/or design special fixtures and tooling as necessary.
- Develop CAD drawings and operation sheets with sufficient detail to allow efficient part production while meeting all quality requirements.
- Coordinate efforts to establish pricing and delivery on sub-contracted services.
- Generate computer programs for CNC machining that includes detail pertaining to dimensions and configuration of cuts, creation of proper tool paths, and machine speeds and feed rates.
- Perform computerized dry runs and machine test runs with operators to ensure efficient operation of machine and avoidance of scrap.
- Troubleshoot and resolve machining problems.
- Analyze existing program logic to determine cause of any program malfunctions. Modify or expand coding to accomplish specified processing changes. Test modified programs to ensure effective machining. Update program and procedural documentation (operations sheets) to reflect modifications.
- Generate routing documents and operation sketches using computer software. Instruct operators on setups and gauging methods.
- Maintain DNC library of CNC programs. Modify programs currently in production to adapt to new products and customer requirements or to eliminate problems, accomplish needed changes, or increase operational efficiency.
- Review historical data to verify correct estimates regarding production times, and related costs to provide information for management decisions. Apply statistical methods to estimate future manufacturing requirements and potential. Evaluate completed jobs and make recommendations for improvements regarding workflow and manufacturing processes.

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#### JA 103 Project Leader

**Job Location: Windsor**

#### **Job Description:**

Ensure the delivery on time and in budget of key Medical BU new products.

#### RESPONSIBILITIES:

Lead the key project teams and communicate progress and status to management and customers.

- Ensure Rolling Top 5 Priority projects are completed ON time IN full (OTIF) or better, by
  - monitoring and evaluating projects throughout project lifecycle, actively driving project risk management;
  - effective facilitation of team and stakeholder meetings and communication of relevant project information;
  - being first review point for the business case information provided by the commercial team, understanding basic financial models and making decisions around project paths accordingly;
  - ensuring all project regulatory and legal documents, including intellectual property rights and non-disclosure agreements, are completed, approved and adhered to.
- Be recognized as the owner of the Stage-gate process ensuring that opportunities are properly presented at gate reviews.
- Change management – making change happen by creating drive for projects internally without having direct responsibilities for the team involved.

- Develop realistic project plans with resource requirements and responsibilities, definition of project benefits and outcomes.
- Define, review, secure, and manage project budget.
- Ensure that the customer remains engaged and that the requirements and plans of both sides remain synchronized.
- Communicate project status to the Global Project Manager and to the North American Sales Manager to facilitate global pipeline management.

#### **REQUIREMENTS:**

- Degree level education in science, engineering or business discipline.
- Minimum three years experience in project management, ideally with Prince2 certification and Microsoft Project.
- Experience in a highly regulated industry (ideally medical device or diagnostic).
- Strong analytical and trained problem solving;
- Project planning methodology skills including project risk management;
- Methods to convert customer requirements to design and specification requirements;
- Basic financial modeling
- Must be fluent in English.
- Strong change management skills;
- Superior Communication abilities; Ability to influence and negotiate without direct reports;
- Self starter
- Ability to develop excellent customer relationships.
- [Email us and note the JA number](#)

#### **JA 90 Experienced Director of Engineering**

**Job Location: Stamford**

#### **Job Description:**

Oversee all engineering aspects for the company including manufacturing, project applications, and new product development.

#### **RESPONSIBILITIES**

- Coordinate manufacturing personnel and subcontractors to maintain inventory levels and insure product availability to meet project lead times
- Specify and purchase all equipment components to support production run schedules
- Maintain current product UL listings and manage new UL projects as they become necessary
- Review HVAC project specifications and drawings in order to assess product requirements.
- Perform contaminant concentration calculations using company's proprietary software
- Participate in project site visits when technical support on product applications is required
- Interact with sales and marketing personnel to develop new products as necessary to meet market needs

#### **REQUIREMENTS**

- 10+ years of HVAC consulting engineering experience with a comprehensive understanding of:
  - o Mechanical systems used to heat, ventilate, and air condition buildings including energy recovery, dedicated outside air systems, VAV systems, etc
  - o ASHRAE Standard 62 including a familiarity with the *IAQ Procedure*
  - o Outside air intake requirements and how they relate to building energy use
- 5-10 years of engineering management experience with strong project management skills, including the ability to plan, prioritize and complete several projects simultaneously
- Knowledge of current engineering practices and industry standards and building and energy codes
- Knowledge of electrical engineering systems
- Knowledge of manufacturing procedures and processes
- Knowledge of US Green Building Council's LEED program
- Strong written and communication skills
- BS in Mechanical Engineering
- PE, LEED AP, CEM is preferable, although not mandatory

- Must be able to travel 10% of the time

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### **JA 91 Experienced Radar Engineer**

**Job Location: Trumbull**

#### **Job Description**

Exciting research and development projects performing theoretical studies, algorithm software development, system analysis and design, and modeling and simulation tasks.

#### **REQUIREMENTS**

- Five or more years of relevant work experience
- The ideal candidate will be technically strong, with a MS or PhD in Electrical Engineering, Physics or Computer Science and should have strong MATLAB, C/C++ or FORTRAN 90 programming skills.

#### **RESPONSIBILITIES**

Develop signal processing algorithms for ballistic missile discrimination (BMD), ground moving target indication (GMTI), target tracking, space-time adaptive processing (STAP) and/or synthetic aperture radar (SAR) imaging applications. .

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### **JA 92 CFD Engineer**

**Job Location: Middlebury**

#### **Job Description:**

Perform consulting computational fluid dynamics (CFD) analysis, provide simulation software training and technical and pre-sales support

#### **REQUIREMENTS**

The successful candidate should be a fast learner, comfortable with performing a combination of consulting, support, and training, as well as being highly motivated to expand their horizons. Must demonstrate leadership, project management, and superior technical abilities.

- Masters or a Ph.D. degree in engineering, with a minimum of 5 years practical experience performing CFD analysis.
- Demonstrable, strong theoretical understanding of the engineering principles for thermodynamics, heat transfer, and fluid dynamics.
- Practical experience in solving a variety of fluids problems, including high speed compressible flow, multiphase flow, combustion, acoustics, and rotating machinery.
- Practical, hands-on feel and desire for solving real-world problems.
- Excellent interpersonal and communication skills – both oral and written.
- Ability to work in a group environment to develop collaborative solutions
- Interest and ability to teach training seminars.
- Candidate must be a U.S. Citizen or have Permanent Resident status.

#### **Preferred**

- Knowledge of ANSYS, Fluent, CFX, ICEM/CFD and/or other commercial FEA or CFD software.
- Programming capabilities in Fortran, C, HTML, TCK/TL, Java, Python, etc.
- Teaching experience.

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### **JA 94. Electrical Engineer**

**Job Location: Cheshire**

**Job Description:**

Support the design and manufacture of speed sensors and programmable tachometers for the industrial and mil-aero markets. Successful candidate will become familiar with company product line: design, components, operation, manufacture, quality.

**REQUIREMENTS**

- Familiar to fluent in theory and application of pulse input devices, pulse output sensors, counting, frequency and pulse conversions. D/A conversions.
- Experienced with discrete semiconductor devices, amplification techniques; logic diagrams/circuitry, gating circuitry. Experienced with Hall Effect devices, Variable Reluctance [Magnetic] and Techniques applied to speed/acceleration
- Should be familiar with UL, CSA, CE, certification requirements for design and testing.
- ISO familiarity. Design of Experiments, Failure Mode Effects Analysis experience a plus.
- Will consider recent graduates

**Preferred:**

BSEE. 3+ years experience.

**RESPONSIBILITIES**

- Process instrument standard inputs, outputs, communications and connections; microcontroller basics. measurement of rotating shafts.
- Work with internal Customers – Engineering, Manufacturing, Sales, Customer Service to assist in troubleshooting manufacturing challenges, address Customer Application Assistance, Customer In-Field Start-up and Commissioning.

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**JA 95. Quality Assurance Engineer**

**Job Location: Windsor**

**Job Description:**

Develops, plans, coordinates, and directs Quality Assurance activities to ensure compliance with the company's ISO9001:2008 and/or TS16949:2002 quality system programs. Acts as Quality Manager during the absence of the Quality Manager.

**REQUIREMENTS**

- Excellent written and verbal communication skills
- Ability to read and interpret product drawings and specifications
- Knowledge of quality systems and requirements, 8D investigation(corrective actions, root cause/failure analysis methodologies) and reporting.
- Ability to work effectively on multiple teams to reduce scrap,improve processes, troubleshoot and resolve production issues.
- Takes initiative and is results oriented; requires minimal supervision
- Minimum 2 years experience in a Quality Engineering function.
- Requires a Bachelor's Degree in a technical major or four years minimum experience in Quality Assurance in an industrial environment with extensive training in Quality Systems or equivalent experience.
- ISO Quality Auditor a plus

**RESPONSIBILITIES**

- Develops and maintains a corporate quality program to ensure conformity of purchased material and final products to company and customer specifications.
- Reviews and responds to customer specifications
- Directs performance of failure analysis for customer returned material and initiates or recommends corrective action as required.

- Responds to customer complaints accurately and completely.
- Performs First Article Inspections and reports pass/fail results to Engineering. Assists Engineering in process qualification and validation.
- Performs final product release.
- Assists with and/or performs quality audits as needed.
- Assures compliance to customer quality specifications, certification, and testing.
- Coordinates the disposition of non-conforming raw material and tracks resulting action items with suppliers working with purchasing.
- Develops and maintains written product assurance policies and procedures as required to define and ensure conformance to customer and other applicable specifications and requirements.
- Develops, coordinates, and implements employee training to promote quality awareness and improved quality performance.
- Implements and maintains Statistical Program within the Q.A. department and performs process capability in the manufacturing department.
- Performs Process Flow, Control Plans, FMEA, PPAP's, etc.
- Assists in SCRAP reduction program.
- Performs in-house calibration activities and coordinates out-sourcing calibration activities.
- Manages a system of maintaining and storing quality records and documentation.
- Prepares for and represents the company during ISO and GMP and customer audits.
- Reviews, tracks and reports on corporate quality performance and cost of quality.
- Prepares reports required by customers and staff.

[Email us and note the JA number](#)

**JA 87 Development Engineer**  
**Job Location: Milford**

**Job Description**

Responsibilities include all aspects of engineering assistance in development, fabrication and testing

**REQUIREMENTS**

- We prefer a self-starter and strongly prefer prior experience interacting with personnel on the shop floor.
- BS in Engineering or Physical Sciences required. MS preferred.
- Minimum of 5 years experience with high pressure gas and gas equipment / gas generation, especially for oxygen and hydrogen.
- Knowledge of alkaline electrolysis, and fuel cells
- Knowledge of methods of oxygen production.
- A strong background in mechanical design required; chemical, controls and thermal knowledge helpful.
- Strong project management and computer modeling skills
- CAD skills required; Autodesk Inventor or Autocad experience a plus.
- Good communication skills, able to articulate specific conclusions and questions
- Travel as needed to customer sites for installations and field service

**RESPONSIBILITIES**

- Refine designs and evaluate against a listing of functional parameters
- Develop production methods, produce fabrication ready drawings, and generate test methods
- Value engineer products for cost reduction and volume manufacturing improvements
- Conduct new process or product design
- Design tests and experiments to validate new designs or design changes
- Perform component specifying and technical purchasing
- Conduct shakedown, performance testing, and troubleshooting on production units and test rigs
- Work with global certification agencies to attain product certification
- Interface with customers, subcontractors and suppliers as needed
- Analyze operational data from fielded units
- Competitive salary. Available to start as soon as possible.

[Email us and note the JA number](#)

### **JA 88 Turbomachinery Project Engineer**

**Job Location: Bloomfield.**

#### **RESPONSIBILITIES**

- Perform engineering design and analyses in the turbomachinery industry and provide technical leadership/project management in design, development, training, performance, and delivery of technical products for projects that require integration of team efforts across multifunctional groups.
- Effectively define, implement, and drive projects to successful completion

#### **REQUIREMENTS**

- The ideal candidate would possess knowledge of compressor, turbine design and have hands-on practical experience with prototype design, manufacture and testing.
- Project leadership in the design and development of mechanical components with challenging performance requirements.
- Sufficient experience and logic/problem-solving capabilities to apply advanced engineering principles and techniques to propose, direct, and integrate solutions to complex (possibly system level), loosely defined technical problems and to identify direct approaches for the successful resolution of significant technical issues.
- Required to serve as a leader within discipline for technical problem solving.
- Minimum 3years required; 5+ preferred
- Bachelor of Science in Mechanical or Aerospace Engineering. A Masters Degree with focus on rotating machinery background will be viewed favorably.
- U.S. citizen or have “lawful permanent resident status”.

[Email us and note the JA number](#)

### **JA 89 Senior Project Engineer**

**Job Location: Middletown**

#### **RESPONSIBILITIES**

##### **Job Description**

Responsible for Project Engineering Management by initiating, controlling, monitoring and completing technical activities. Plans and coordinates technical tasks in accordance with the program master plan.

#### **RESPONSIBILITIES**

- Lead and monitor the design, development, fabrication and test phases of the Engineering and Manufacturing Development portion of MEMS project.
- Devise plans and procedures for completing technical tasks for project, prepare technical analyses and reports.
- Provide design support in technical area of expertise.
- Analyze specifications, study technical options, perform engineering calculations and verify overall technical approach for the project. Identify program issues, establish options and recommend corrective approach.
- Initiate corrective action.
- Initiate, conduct, and monitor prototype fabrication and tests.
- Lead formal reviews such as preliminary design reviews (PDR) and critical design reviews (CDR), etc. to assure all project issues are properly addressed during the design and test of product. Establish and maintain effective communication with functional units, customer representatives and suppliers to facilitate problem identification and resolution.
- Perform overall project scheduling, planning and cost control, including interface with all technical management of the program along with partners and sub-contractors. Maintain currency in state-of-the-art

related technology through contact with educational institutions ,technical periodicals, professional societies and organizations.

- Lead and provide significant contributions to proposal efforts for gaining financial support of the program. This includes the following: 1) generation of the initial proposal structure, 2) timely and accurate preparation of proposal material and 3) generation, coordination, and review of proposal cost inputs in area of responsibility for the proposed program(s).

#### **REQUIREMENTS**

- Ability to obtain and maintain security clearance.
- BSME degree required. Masters of Science added plus.
- Broad knowledge of electro-mechanical devices for critical applications and a thorough knowledge of the engineering design process, including Engineering Project Management.
- Knowledge of general manufacturing methods and techniques required, preferably in the area of miniature electro-mechanical devices.
- Must have experience with PRO-E and Solid Works software, added plus Unigraphics NX5 software, and be proficient in the use of Microsoft Office Suite products plus MS Project.
- 10 years up to and including 13 years design experience. Experience with use of Finite Element Analysis tools such as LS-Dyna or Pro Mechanica desirable.
- Experience in several of the following categories is an added plus: MEMS design and fabrication technology, semiconductor fabrication methods and processes, nanotechnology, materials properties, miniature assembly and energetics.

[Email us and note the JA number](#)

#### **JA 83 Electrical Engineer (Aerospace)**

**Job Location: Naugatuck**

**Job Description** Electrical Engineer with the knowledge of ANSI/SAE/MIL standards, interface with all levels of personnel & customers, troubleshooting, strong technical, planning & organizational skills, Word, Excel, Access, OpenOffice, Outlook and AutoCad.

#### **RESPONSIBILITIES**

- Discuss design requirements and product specifications with customers and suppliers.
- Develop bills of material, detailed work instructions and manufacturing procedures, test & QC procedures.
- Design test fixtures for use during product development and product acceptance testing; programs; configure and troubleshoots automated test equipment.
- Create drawing packages, develop mechanical and electrical drawings (2D & 3D) using AutoCad.
- Prepare reports for approval for customers.

#### **REQUIREMENTS**

- Familiarity with compliance matrices, MIL-STD and RTCA qualification testing, PMA, and FAA requirements is a plus.
- Strong communication skills

[Email us and note the JA number](#)

#### **JA 84 Field Engineer**

**Job Location: Shelton**

**Job Description** Field Engineer responsible for back-up field support of power industry related cleaning equipment.

#### **RESPONSIBILITIES**

- Provide both external and internal timely, accurate, professional reports
- Assure the executed work reflects the quality standards and attention to detail that maintains a professional image for the customer and the company.
- Provide back-up field service support

### REQUIREMENTS

- Bachelor's degree or high school diploma with field experience
- 1-4 years of experience in field service or inventory control in the energy or automotive industry
- Experience using Microsoft Excel
- Strong customer skills both oral and written
- Highly self motivated; Works efficiently and effectively without direct supervision
- Licensed and able to operate a forklift
- Experience with PLC based control systems: RSLogix 5000 and RSView
- Must be legally authorized to work in the United States
- Must be willing to travel

[Email us and note the JA number](#)

### JA 85 Director of Sales

**Job Location: Shelton**

**Job Description:** Experienced technical equipment sales professional to the power industry who will sell a state-of-the art, on-line, boiler cleaning technology.

### RESPONSIBILITIES

- Develop detailed knowledge of the pulse detonation technology and how it stacks up against other competing technologies.
- Identify and develop “high probability” customers in the United States, including utilities, independent power producers, waste-to-energy companies, etc. (will have a focus on eastern United States).
- Market at both the corporate level and the plant manager level to maximize sales.
- Work closely with project engineers and field service teams to successfully develop bidding strategies and design and install systems.
  - Identify and quantify customer needs based on their problems and issues.
  - Work with project engineers to develop customer technical solutions and economic justifications.
- Assist in the development of joint ventures/ partnerships with boiler OEMs, installers, sales representatives, international sales, as needed.

### REQUIREMENTS

- Bachelor's degree
- 5+ years of experience
- Experienced in sales with direct experience in technical equipment sales to power generation companies, including utilities, independent power producers, etc.
- Desire to work in a small and growing company
- Ability to work in a fast-paced, entrepreneurial environment
- Excellent written and verbal skills
- Must be able to travel
- Team Player

[Email us and note the JA number](#)

### JA 86 R&D Engineer

**Job Location: Shelton**

**Job Description** R&D engineer for work in aerospace-derivative, detonation combustion product group. This position will conduct exploratory and applicative research in the development of new high-temperature products.

### RESPONSIBILITIES

Optimization of high temperature materials and system components and assist the product trials, scale ups and product improvements as follows:

- Perform complex product experiments, and/or lead the projects/studies.

- Adapt to new technologies, new designs of experiments and new laboratory techniques.
- Write experimental results and technical reports and present to senior management
- Interface with academic laboratory facilities, Engineering, Production, Vendors, etc.

#### REQUIREMENTS

- Advanced degree – Mechanical Engineering, MS preferred
- experienced problem solver with a desire to work in a small and growing company. Experience with CFD (Computation Fluid Dynamics)
  - Ability to simulate and understand combustion environment a must
- Strong interest in laboratory research
- Ability to work independently with minimum supervision
- Good writing and communication skills
- Good computer skills, such as MS office
- Experience with FEA tools, ANSYS preferred
- Familiarity with data acquisition systems and lab test equipment
- Familiarity with pressurized gas systems and combustion systems
- Capable of writing/revising system specifications and requirements
- Preference given to candidates with detonation combustion experience
- Preference given to those candidates with understanding of utility/industrial boiler performance and/or fouling mechanisms

Other desired skills include:

- Industrial experience e.g. experience in high temperature materials and applications

**Travel:** Office and lab spaces are located in the Seattle, WA, Detroit, MI and Shelton, CT areas.

[Email us and note the JA number](#)

#### JA 76. Core Developer

**Job Location: Branford**

**Job Description:** Experienced computer scientist; self-motivated developer to work on novel, multi-patented, cutting edge technology. Fast paced environment. The successful candidate will be required to spearhead software projects through the full product lifecycle, from requirements gathering through installation to long term maintenance and support, while also adapting to the demands of the continually evolving technology landscape.

#### RESPONSIBILITIES

- Development work on GraphLogic's core technology to add new functionality
- Maintain existing software applications. Roll out changes and fixes from development to the production. Help clients resolve issues.
- Maintain the core architecture. Add new features to our novel PointDragon integrated development and run time environment. Modify and refine the existing functionality.
- Refine and optimize the technology to improve performance and memory usage.
- Enhance the core architecture for use in a distributed, fault tolerant environment.
- Work with clients to build custom applications. Assist domain expert end users with the design and implementation of their solutions.
- Work with engineers to build a web-based application development platform.
- Refine and enhance the existing user interface to produce a modern, sleek look and feel.
- Design and run performance and load tests of applications built with the PointDragon integrated development and run time environment. Assist application developers with performance optimization, and evaluate associated metrics. Perform load balancing.

#### REQUIREMENTS

- Java: you must be an expert in all facets of Java programming
- Strong problem solving skills and the desire to create new and truly innovative software
- Knowledge of Struts, HTML, Javascript, SQL, Ajax, Linux.
- Experience with relational databases
- Experience with, or strong desire to learn everything about cloud computing
- Web development experience
- Experience with VMWare

- Ability to work independently as well as with a small team.
- Ability to establish and maintain contact and interaction with scientists and developers from world class research institutions.
- Capable of working on long term goals and projects while also addressing and solving day to day client needs as they arise; Must be sufficiently agile; able to adapt quickly to a very dynamic workday.
- Master's degree or equivalent in computer science.

[Email us and note the JA number](#)

### **JA 77. Product Development Engineer, Medical Devices**

**Job Location: New Haven**

**Job Description:** Ambitious product development engineer with proven experience in medical device product design from concept through commercialization.

#### **RESPONSIBILITIES**

- Detailed execution of new product design, verification, and validation
- Collaborate with Marketing and Sales to understand customer requirements and translate into product specifications
- Participate in risk analysis for new products and lead detailed follow-through of risk mitigation
- Develop prospective test protocols and perform or coordinate testing
- Maintain and operate a small laboratory
- Create design history file for new products and maintain files for current products
- Create product documentation such as specifications, drawings (some 2-D CAD required), and bills of materials
- Maintain product data in enterprise resource planning software
- Execute engineering change orders to support existing product lines
- Conduct and report on feasibility studies of design concepts
- Perform and report on technology search in the literature

***Immediate need***

#### **REQUIREMENTS**

- Bachelors degree in chemical engineering, biomedical engineering, material science, biology, or similar discipline, a minimum; graduate degree is a nice plus
- Minimum of 2 years of industry experience in medical device product design and commercialization
- Familiar with FDA QSR and ISO 13485 medical device regulations, desirable
- Knowledgeable in basic physiology
- Demonstrated ability to collaborate with Marketing and Sales in product idea generation, development, and launch
- Familiar with basic good laboratory/manufacturing processes practices
- Ideally have some Lean experience in assembly manufacturing

[Email us and note the JA number](#)

### **JA 78. Controls/Labview Systems Engineer**

**Job Location: North Haven**

**Job Description :**Experienced systems engineer with expertise in writing Labview programs for control using National Instruments hardware.

#### **RESPONSIBILITIES**

- Write programs to aid in the design and testing of reformer and combustor systems integration and controls
- Perform prototype system development and testing of complex chemical reaction systems and associated controls, and balance of plant components.

#### **REQUIREMENTS**

- Experience with fuel cell BOP such as pumps, blowers, and valves desired
- Knowledge of basic electronics also desirable.

- Qualified individual focused on product development in support of commercialization.
- Excellent leadership, interpersonal and program management skills ;highly motivated to succeed.
- Graduate degree in Mechanical or Chemical Engineering is desired, or BS with experience required.

[Email us and note the JA number](#)

**JA 79. Burner Engineer**

**Job Location: North Haven**

**Job Description :** Engineer(s) with analytical and experimental combustion knowledge to add to combustion technology and burner development efforts.

**RESPONSIBILITIES**

- Support projects from conceptual design through prototype build and test..

**REQUIREMENTS**

- Test experience on fuel injection, burner, or fuel cell components, and/or gas turbine combustion products is a must
- Practical self-starter with hands-on prototype combustor development experience.
- Ability to "think outside the box" and transfer non-traditional options to proven theory is highly desirable
- Excellent leadership, interpersonal and program management skills;highly motivated to succeed
- A Masters Degree in mechanical or chemical engineering or Bachelors Degree with four years related experience is required.

[Email us and note the JA number](#)

**JA 80. Fuel Processing Engineer**

**Job Location: North Haven**

**Job Description :** Design and develop catalytic reactors and high temperature catalyst applications, fuel cell systems(both experimental and analytical/modeling), and fuel reformers.

**RESPONSIBILITIES:**

Design and testing of reformers and combustors, system integration, and prototype system development

**REQUIREMENTS**

- Above design and testing experience testing is essential
- A Masters Degree in mechanical or chemical engineering or Bachelors Degree with four years related experience is required.
- Hands-on R&D skills, ability to develop catalytic reactors for combustion and reforming systems and reactors for fuel cell applications, and good technical writing skills desirable'
- Balance of plant expertise a plus.

[Email us and note the JA number](#)

**JA 81. Catalyst Development Chemist/Engineer**

**Job Location: North Haven**

**Job Description:** Hands-on position to be on the forefront of catalytic reactor development, focused on improved and novel approaches to fine and commodity chemical manufacturing and green technology and in support of leading reformer and combustor products.

**RESPONSIBILITIES:**

- Advance development of catalysts and reactors for a wide range of hydrocarbon conversion processes.
- Bench to small pilot scale catalyst synthesis, optimization, characterization, and development of novel catalytic processes, in a team environment.
- Support other engineers to improve performance, durability, and economics of current products and processes.

## REQUIREMENTS

- Hands-on design and use of reactor systems and catalyst testing
- Experience with chemical reactors, particularly flow reactors
- Familiarity with catalyst synthesis and characterization techniques
- Experience with test equipment troubleshooting
- Experience with typical catalyst characterization and testing analytical laboratory equipment
  
- PhD or MS degree in Chemistry/Chemical Engineering or related fields with 5 yrs industry experience

### *Other experience desired, but not required*

- High-temperature systems and combustible gases
- Kinetics and/or thermodynamics modeling
- Use of process simulation software

[Email us and note the JA number](#)

## JA 82. Senior Chemical Engineer/Chemist

**Job Location:** North Haven

**Job Description:** Laboratory-based position that allows hands-on exposure to product development, as well as an opportunity to interact with all aspects of a small business

### RESPONSIBILITIES:

- Development and testing of catalyst materials and processes. Information developed will be crucial to defining commercially viable products and processes.
- Involved with all phases of catalyst sample preparation, including catalyst and support formulation, substrate preparation, coating application, and product QA/QC.
- Design and operate chemical reactors for testing these catalysts, for all company products.
- Gather and summarize all pertinent catalyst characterization and activity test data for analysis and presentation to senior research staff.
- Assist with small-scale production for PCI products and prototypes in a well documented environment.

## REQUIREMENTS

- Able to work independently with minimal supervision.
- BS in Chemical Engineering or Chemistry with experience in an industrial lab setting.
- Strong organizational skills, good hands-on and problem solving skills and mechanical aptitude.
- Advanced chemistry knowledge and a good foundation in chemical engineering practice
- Ability to think independently
- Ability to work in a team environment
- Good oral communication skills,
- Working command of MS Office (Word, Excel)
- Ability and interest in keeping informed with technical literature desired

*Depending on skill level, some supervisory tasks may be required.*

[Email us and note the JA number](#)

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## JA 70. Electrical and Control Engineer

**Job Location:** Milford

**Job Description:** Perform power electronics, instrument and control work.

## RESPONSIBILITIES

- All aspects of R&D and production
- Design and implementation work in the development , fabrication, and testing

## REQUIREMENTS

- BS in Electrical Engineering
- 5 years minimum experience
- Background in electromechanical process equipment
- Ability to work collaboratively with a team
- Knowledge of electrical power distribution, motor control, instrumentation, power electronics, and PLC programming
- Working knowledge of electrical codes and standards.
- Ability to produce system schematics and layouts,
- Familiarity with a production environment, and hands-on experience with mechanical and electrical processes
- Good communication and CAD/Computer skills
- Familiarity with Ladder logic and LabVIEW preferred

[Email us and note the JA number](#)

## JA 71. Sr. Chemical Engineer- Gas Equipment

**Job Location:** Milford

**Job Description:** Responsible for technical development / application activities for a gas equipment company focused on military, energy, and oil/gas related needs. Work is related to researching, designing, and developing products, parts, components, or portions of major products, including: cryogenic air separation plants (O<sub>2</sub>, N<sub>2</sub>, Argon), air purification systems, liquefaction systems, and adsorber / membrane based gas plants.

## RESPONSIBILITIES

- Apply chemical engineering principles to design / select systems / processes to meet customer application requirements.
- Selects correct design concepts and fundamental technology used for new products or improvement of existing products
- Design chemical process, develop P&ID, and lead design effort and layout of applicable process / plant.
- Conduct research to develop new and improved processes / application of processes.
- Perform laboratory studies of steps in application of new technology and scale up to pilot plant and to customer product.
- Develop safety procedures
- Direct activities of workers who operate or who are engaged in constructing and improving absorption, evaporation, or other generation equipment.
- Design measurement and control systems for chemical / gas equipment plants based on data collected in laboratory experiments and in pilot plant operations.
- Work closely with suppliers, technology development, product development, and manufacturing teams to develop and optimize technology that meets performance, durability, and safety standards.
- Reviews and analyzes vendor or customer proposals submitted to determine if benefits derived and possible applications justify expenditures
- Complete work according to standard engineering principles and practices
- BSChE or Master's (preferred) in Chemical Engineering or related fields.
- Experience in various military, oil / gas, or energy related chemical engineering processes to include: Cryogenic Air Separation, Liquefaction, Compressors / Compression (EOR), Nitrogen Generation, Oxygen Generation
- Technical understanding of the competitor development, current trend and probable future trends.
- Creative, self-motivated and self-directed, and able to multi-task a large variety of projects in a fast-paced, entrepreneurial environment.
- Good connection with oil/gas/utilities/energy/military
- Computer Skills

- Ability to speak fluent English  
[Email us and note the JA number](#)

**JA 72. Sr. RF Design Engineer**  
**Job Location: Naugatuck**

**Job Description:** Responsible for creating new and modified RF/Microwave product designs, including evaluation of mechanical components with electrical performance requirements. This employee reports directly to the Engineering Manager.

**RESPONSIBILITIES**

- Design mechanical/electrical RF components for new or redesigned products.
- Operate AutoCAD System and associated tools to generate computer files for use in the manufacturing and support of manufacturing and sales.
- Prepare test programs for new or redesigned components.
- Assists in the interpretation of test program results and in the determination of the specifications of components for new or redesigned products.
- Keep abreast of new developments in design and applications in the industry.
- Assist in the interpretation of research and test reports from both inside and outside the company.
- Assist the product engineering sections in the areas of testing operations and technical engineering.
- Work with the Engineering department in matters pertaining to connector component problems.
- Work with the Quality department in the development of inspection procedures and use of test equipment for receiving; assists quality control in setting up inspection procedures.
- Perform external audit of vendors.

**REQUIREMENTS**

- BSEE/BSME or minimum 10 years work experience
- Minimum 5 years in a engineering design environment
- Minimum 3 years in RF design of passive components
- Ability to manage multiple projects
- Excellent communication and interpersonal skills
- Driven to exceed goals and objectives
- CAD experience required, AutoCAD preferred

[Email us and note the JA number](#)

**JA 73. Front End Programmer**  
**Job Location: Wallingford**

**Job Description:** Experienced software engineer/developer to help with the development of a web service interface that connects the system under development with a remote server.

**RESPONSIBILITIES**

- Design, analyze, code and test a web service based on open standards and integrate with existing back end system
- Extend and existing web service developed using Pearl, PHP, Django and Ext
- Collaborate in team effort: participate in meetings and contribute to the design and specification of the system (analyze, design code and test the part of the application dealing with web services and integrate into the larger system with the rest of the team).
- Produce high-quality software documentation

**REQUIREMENTS**

- Solid knowledge of Linux systems
- Solid knowledge of web services, SOAP and XML
- Knowledge of Java, Javascript, Pearl, PHP, Python, Database and Unix scripting
- Problem solving skills

- Ability to communicate and document well the work done
- A minimum of three years professional development experience
- A degree in computer science or other related area
- LOCAL APPLICANTS ONLY –  
*This is a contract position that may lead to full-time*

[Email us and note the JA number](#)

#### **JA 74. Lead Software Engineer** **Job Location: Wallingford**

**Job Description:** Assist with the development of a distributed access control system for an Identity Management Solution.

#### **RESPONSIBILITIES**

- Work in a team environment and assume a lead role in the specification and development of the solution.
- contribute to the specification, and lead the programming and testing effort
- Produce high quality documentation

#### **REQUIREMENTS**

- Solid knowledge of web services including, Java, SOA and XML
- Solid knowledge of Unix and SQL systems
- Good communication skills
- BS or MS in Computer Science or related field with at least 3 years of professional programming experience.

*This is a full time position for 24 months. Some telecommuting allowed but applicant should be able to work on site at least 50%.*

[Email us and note the JA number](#)

#### **JA 75. Software Developer** **Job Location: New Haven**

**Job Description:** Software developer who is excited about combining an interest in security and development for hardware platforms is needed for cutting edge projects. Candidate must be authorized to work in the United States and eligible for U.S. Secret Clearance.

#### **RESPONSIBILITIES:**

- Develop software in C, C++ , C#, Java, assembly language, or other selected languages for company products which will be implemented on a FPGA, RFID tags, embedded systems and other hardware platforms
- Create product design requirements and test plan to support the development.
- Test software using debuggers, emulators, simulators, and/or logic analyzers
- Perform software releases and software quality assurance activities
- Review product information including manuals and brochures for technical accuracy
- Participate in product definition activities including feature analysis and system tradeoffs
- Provide written reports and summaries of development projects and tasks.
- Perform other duties as necessary

#### **REQUIREMENTS**

- Bachelor of Science or above in Management Information Systems, Computer Science, Electrical Engineering, Computer Engineering, Engineering or Math from a four-year college or university, or equivalent education/experience
- Minimum of 4 years of post-college development experience in a high level language such as C, C , C# or Java

- Strong background in implementing cryptographic security methods, toolkits or protocols is preferred (i.e. PKI, digital signatures, hash functions, encryption, etc.)
- Experience in software development for implementation in FPGA or other hardware platforms.
- Relevant education and/or experience in software design, development and maintenance, as required for the successful performance of the essential functions of the position
- Good oral and written communication skills
- Must be self motivated and able to work in a minimum supervision environment, alone or within a team.

[Email us and note the JA number](#)

### **JA 68. Field Service Team Leader**

**Job Location: Winsted, CT**

**Job Description:** Team leader for manufacturer of precision machined parts and assemblies

#### **RESPONSIBILITIES**

- Provide strong leadership skills
- Motivate, coach & develop others
- Implement Lean and Continuous Improvement initiatives

#### **REQUIREMENTS**

- Self motivation; self directed & a strong sense of urgency
- Excellent interpersonal skills
- Demonstrated track record in implementing Lean & Continuous Improvement initiatives
- Demonstrated ability to implement a Visual Factory
- BSME or equivalent

**Desired:**

- Experience in production planning & production control a plus
- Machining background a plus

[Email us and note the JA number](#)

### **JA 57. Director of Sales**

**Job Location: Shelton, CT**

**Job Description:** Experienced state-of-the art on-line boiler cleaning technology equipment sales professional

#### **RESPONSIBILITIES**

- Develop detailed knowledge of the product relative to other competing technologies.
- Identify and develop “high probability” customers in the United States, including utilities, independent power producers, waste-to-energy companies, etc. (will have a focus on eastern United States).
- Market at both the corporate and the plant manager level to maximize sales.
- Work closely with project engineers and field service teams to successfully develop bidding strategies and design and install systems.
- Identify and quantify customer needs based on their problems and issues.
- Work with project engineers to develop customer technical solutions and economic justifications.
- Assist in the development of joint ventures/ partnerships as needed.

#### **REQUIREMENTS**

- Experienced sales professional with direct experience in technical equipment sales to power generation companies, including utilities, independent power producers, etc.
- Team player with desire to work in a small and growing company.
- Ability to work in a fast-paced, entrepreneurial environment.
- Bachelor’s degree.
- Excellent written and verbal skills.
- Ability to travel 25%

[Email us and note the JA number](#)

**JA 58. Class “A” Tool Maker**

**Job Location: Norwich, CT**

**REQUIREMENTS**

- Must have a minimum of 5 years experience with plastic injection molding tooling. Competencies include: Micro welding, Master Cam, CNC mill, CNC EDM, manual service grinders and mill proficiency. Must be capable of reading blueprints, and perform layout and design revisions and repairs.
- Critical thinking skills and the adherence to all Company Safety procedures. The ability to repair tools in the press (if appropriate) to enable a quick turnaround is highly desirable.

[Email us and note the JA number](#)

**JA 59. US Business Development Manager**

**Job Location: South Windsor, CT**

**Job Description:** As part of a dynamic team, develop, implement and monitor all strategy and direction for marketing and sales in U.S., and aid the Director of Business Development in the creation of new business products or new uses for current products or systems.

**REQUIREMENTS**

- Proven success in business development (5 years in related industry preferred)
- Bachelor's degree (Engineering preferred)
- Experience in market analysis, forecasting, business planning and proposal management
- Ability to create and maintain professional relationships with customers and government/military personnel
- Ability to gather market intelligence and translate that intelligence into realistic market segment targets
- Able to identify and attend relevant trade shows
- Proficiency in Microsoft PowerPoint
- Strategic thinker with superior leadership abilities and good interpersonal skills

[Email us and note the JA number](#)

**JA 60. Sr. Mechanical Design Engineer**

**Job Location: Milford, CT**

**Job Description:** Lead the design and development of new aerospace/life support/aerial delivery products; Provide direction of Engineers or Drafts People.

**REQUIREMENTS**

- Ability to lead design, analysis and test activities from concept through production, while seeking the integration of new technologies and the development of new capabilities
- Proficiency in mechanical design
- Bachelor's Degree (and at least 5 years experience),
- Working knowledge of electronic design and or electronic integration
- Problem-solving and good three-dimensional conceptual ability
- Ability to define a product or service, with technical feasibility, customer requirements, and safety consideration
- Ability to use analysis and computational methods for predictive work;
- Effective communication skills
- Strategic thinker and team player
- Ability to travel

[Email us and note the JA number](#)

### JA 62. Control Engineer

Job Location: Milford, CT

**Job Description:** Control Systems Engineering with product-oriented R&D; Provide technical expertise primarily in the area of structure and mechanism controls in a variety of engineering disciplines.

#### **REQUIREMENTS**

- Extensive expertise in modern time and frequency domain MIMO active control applications for vibration isolation and cancellation in complex aerospace structures.
- Experimental test experience establishing data as the basis for controls design, and to validate control design performance and ascertain system behavior
- Create, develop, design, and test complex controls for mechanisms and systems involving electrical, mechanical, optical, software, and/or hardware components, which will require an extensive knowledge of own specialty as well as collaborative teaming with subject experts in several fields
- Familiarity with experimental hardware/software environments for hardware-in-the-loop tests such as dSPACE
- Familiarity and interaction with structural dynamics, finite element analyses, and modal testing and the output of analysis tools such as MSC NASTRAN/PATRAN software (or similar)
- Excellent writing skills to author technical reports, proposals, and customer briefing documents
- Management skills to coordinate research efforts by subcontractors and consultants
- Self-motivated with innovative entrepreneurial drive A MUST
- US citizenship or a green card

#### **EDUCATION/EXPERIENCE:**

- B.S. in Engineering or science and research + 6-10 years' work experience; OR, MS degree plus 4-8 years' work experience; OR, PhD plus 2-4 years' work experience.
- Expertise in control theory with high proficiency in Matlab/Simulink software for the analysis and modeling of both linear and nonlinear systems.
- Broad knowledge of several fields and an extensive knowledge of own specialty
- Experience in component lifecycle ownership feasibility analysis (desired)
- [Email us and note the JA number](#)

### JA 63. Materials Research/Applications Engineer

Job Location: Milford, CT

**Job Description:** Apply scientific expertise and meticulous experimental skills in selection, formulation/development, qualification and production phase-in of a broad range of proprietary material/coating systems and high temperature composites

#### **REQUIREMENTS**

- Ability to communicate clearly and collaborate with subcontractors and suppliers to ensure that materials selected and chemical formulations developed are process-able, and meet the desired mechanical, thermal, physical and chemical properties
- Mindset of a self-motivated innovative thinker, driven to success
- Excellent writing skills to author technical reports, proposals, and customer briefing documents
- Management skills to coordinate research efforts by subcontractors and consultants
- US citizenship or a green card
- Management skills to coordinate research efforts by subcontractors and consultants.

- **US citizenship or a green card**

**EDUCATION/EXPERIENCE:**

- B.S. degree, preferably in Materials/Chemical Engineering or in a relevant technical area of science and research with 5-6 years' hands-on work experience; OR, a MS degree with 3-4 years' work experience; OR, a PhD with 2-3 years' work experience
- Competence in the fundamental chemical principles and materials science including chemical structure-morphology-rheological-physical property relationships of polymeric compounds
- Expertise in high temperature coatings and high performance composites would be a PLUS
- Demonstrated knowledge of and hands-on experience in thick and thin coating application processes

[Email us and note the JA number](#)

**JA 66. Quality Engineer Manager**

**Job Location: Greater New Haven, CT**

**Job Description:**

Seasoned quality engineering manager with proven experience in medical device manufacturing

**REQUIREMENTS**

Ability to:

- Design and implement In-process QA testing and resolve quality issues related to non-conformance reports (using statistical methods as needed)
- Ensure compliance of products and documentation in manufacturing operation and supply chain to FDA QSR/cGMP and ISO 13485
- Write production work instructions and control plans
- Maintain calibration schedule, and develop schedule for new equipment
- Analyze trend of product and process data, and identify improvement actions
- Identify, review and recommend disposition of nonconforming materials
- Perform Corrective and Preventive Actions (CAPA) related to internal or supplier manufacturing and issue corrective action requests to suppliers
- 30% travel required

**EDUCATION/EXPERIENCE:**

- Deep working knowledge of quality system regulations: cGMP, 21 CFR 820, QSR, ISO 13485, CMDR and the MDD
- Minimum of 7 years as a Quality Engineer in the medical device or pharmaceutical industry, with experience in manufacturing operations, process qualification, and quality engineering. Direct experience with regulatory audits is a plus.
- Proficient in QA methodologies such as Failure Modes Effect Analysis (FMEA), statistical analysis, SPC, Root Cause Analysis, Mistake Proofing, and Design of Experiments
- Proficient in the development, review and approval of processes and equipment validation/qualifications (IQ, OQ, PQ).
- Fluent in the fundamentals of statistical methods for quality assurance
- High level of PC proficiency, including Mini-tab or similar statistical analysis software
- At minimum, a B.S. degree in engineering or a similar technical discipline. Professional quality certification is a plus.

[Email us and note the JA number](#)

**JA 67. Junior Web Software Developer**

**Location: Avon, CT**

**Job Description:**

Software engineer with a vivid imagination, a collaborative mindset, an entrepreneurial spirit and the desire to help us design and build a comprehensive services platform for creative professionals in the online marketplace. Junior Developer to work closely with the Web architect /lead developer to integrate Web APIs and Open Source components to construct our Web platform. Direct contact with users and testers to observe how the product is used by the customer.

#### REQUIREMENTS

- PHP using OOP, including MVC frameworks
- MySQL
- JavaScript, especially jQuery
- Standards based HTML
- CSS
- REST with JSON, XML.
- Pride in your strong work ethic and your ability to work independently.
- An eager, enthusiastic attitude and the ability to deliver high quality results on time.

#### EDUCATION/EXPERIENCE:

- A college degree with 2+ years professional development experience using LAMP, JavaScript.
- Experience or good familiarity with:
  - Linux, Mac environment
  - Apache, nginx configuration and management
  - Social networking development
  - Understanding of SaaS trends

[Email us and note the JA number](#)

#### JA 56 Development Engineer

**Job Location: North Haven, CT**

##### **Job Description:**

Support combustion and reforming system development efforts from conceptual design through prototype build and test.

##### **Job Responsibilities:**

- Prototype design and development
- Testing of fuel injection, burner design, fuel cell components, and/or gas turbine combustion products

#### EDUCATION / EXPERIENCE

- Hands on prototype design and development
- Testing experience
- Masters Degree in Mechanical or Chemical Engineering or Bachelors Degree with four years related experience is required
- U.S. citizenship or permanent residency is required.

[Email us and note the JA number](#)

#### JA 55 Fuel Cell Engineer

**Job Location: North Haven, CT**

##### **Job Description:**

Working with the engineering team and collaborating partners to integrate an existing reforming technology into a power generation system. The successful candidate will advance development of fuel cell components with specific focus on stack and system concepts.

##### **Job Responsibilities:**

- Advance development of fuel cell components with specific focus on stack and system concepts. Support an integrated reforming and fuel cell system including optimum operating conditions, system issues, load change issues, stacks, thermal and water management, and limitations
- Work within a team on the design, fabrication and optimization of power generation systems. Primary responsibilities will include the mechanical design and integration of PCI's fuel processor with a range of stacks, components and unit subsystems.
- Support other engineers to help coordinate the overall integration of the system and optimize the system components packaging within the unit to minimize product size and enhance product performance. Stack technologies of interest include Solid Oxide and High Temperature PEM.

## EDUCATION / EXPERIENCE

Hands-on experience in electrochemical systems and testing of Fuel Cells (SOFC, HT -PEM)

- Experience with high-temperature systems and combustible gases
- Experience with fuel cells or other chemical reactors (particularly flow reactors)
- Experience/familiarity with stack assembly, fabrication, and testing, and characterization techniques for SOFCs and other advanced electro-ceramic materials
- Systems knowledge, integration, and troubleshooting experience
- Ability to solve issues with trying to use ATR/reformer exhaust stream to feed fuel cell stacks
- Experience with material property characterization as well as an ability to assess stack performance metrics
- Experience with electrochemical measurement techniques and characterization skills
- PhD or MS degree in Materials/Electrochemistry or related fields with 5 yrs industry experience
- U.S. citizenship or permanent residency is required.

[Email us and note the JA number](#)

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### **JA 49 Sr. Field Engineer**

**Job Location: Shelton, CT**

#### **Role Summary/Purpose:**

The Sr. Field Engineer will manage installations and service of cleaning equipment and deliver onsite and remote support to customers.

#### **Job Responsibilities:**

- Responsible for supporting field aspects of demonstration and installation of the company's online cleaning equipment.
- Liaise effectively with customers in job planning, execution, follow-up and sales support, and internally with engineering departments and sales team.
- Provide both external and internal timely, accurate, professional reports
- Act as a primary technical resource for on-site work and lead resolving engineering and product issues. Assure the executed work reflects the quality standards and attention to detail that maintains a professional image for the customer and company.
- Communicate schedule details, project milestones, manpower requirements, quality issues, and tools / equipment requirements to the appropriate individuals.
- Responsible for maintenance, inspection and stock upkeep of field equipment.
- Experience/Qualifications:
- Engineering degree (or a high school diploma / G.E.D. with at least 4 years of experience in Field Service or Engineering)
- Proficient in the English language (oral and written)
- Ability and willingness to work overtime and some weekends as needed and work at customers' locations
- Ability and willingness to travel regionally as well as some international (60-70% of the time)
- Possess valid passport or the ability to obtain one, as well as satisfactory driving record
- Desired Characteristics
- At least 5 years of working experience in field services or electrical utility industry
- Strong customer service skills

- Ability to confidently address groups while providing training on company equipment in a professional manner
- Highly self motivated, confident in stressful situations, and works efficiently and effectively without direct supervision
- Attentive Environmental Health and Safety mindset and compliance
- Knowledge of boiler installation and service
- Experience with installation and maintenance programs for Power Generation
- Experience with PLC based control systems
- Experience with document control systems, Autodesk Productstream preferred
- Familiarity with data acquisition systems and lab test equipment
- Familiarity with pressurized gas systems and combustion systems

[Email us and note the JA number](#)

#### **JA 50 Microelectronics Research Scientist – one or two openings**

**Job Location: Storrs, CT**

This company has an immediate opening for a Microelectronics Research Scientist.

The selected individual is expected to work in a challenging cross-disciplinary team for cutting edge implantable, wireless biosensor development. Responsibilities include: 1) identify technology for packaging microelectronic components for use in harsh in vivo environments; 2) design and fabricate advanced opto-/microelectronic components, perform device analysis and characterization 3) work with technical team on the technology to realize unprecedented miniaturization of opto-/electronic components

#### **Candidates should have the following qualifications:**

- A Ph.D./MS in electrical engineering, materials science, physics or any of the related fields, or equivalent advanced experience in the aforementioned areas
- Demonstrated individual contribution to research in a results-oriented team environment.
- A strong track record of external publications and presentations and a desire to publish and participate in external technical meetings.
- Strong communication, organizational, and interpersonal skills.

Salary is commensurate with the person's experience. Interested candidates should respond with a cover letter, resume, and contact information for three references.

[Email us and note the JA number](#)

#### **JA 51 TURBOMACHINERY ENGINEER**

**Job Location: Bloomfield, CT**

#### **Qualifications:**

- Bachelor of Science in Mechanical or Aerospace Engineering and at least 3 years experience is required. A Masters Degree with focus on rotating machinery background will be viewed favorably. The ideal candidate would possess knowledge of compressor, turbine design and have practical hands-on practical experience with prototype design, manufacture and testing. Project leadership in the design and development of mechanical components with challenging performance requirements, which require product design innovation and strict schedule/budget management, will be viewed favorably. An applicant with a U.S. citizenship or "lawful permanent resident status" is preferred.

#### **Job Responsibilities:**

- The chosen engineering applicant will be challenged by an entrepreneurial environment in the design and development of high-speed turbomachinery. Job responsibilities will require the successful candidate to have a strong mechanical aptitude and to demonstrate competency in the categories of analytical thinking, customer focus, teamwork, self starting initiative, adaptability, results oriented, and communication. The position will focus on the analysis, design

and testing of high speed turbomachinery as a member of a team. Additional responsibilities include the presentation of design and testing results and improvement recommendations to management.

**About the Company:** This company is a world leader in high-speed turbomachinery. We design, develop and manufacture energy efficient and environmentally safe oil-free high-speed turbomachinery supported on foil gas bearings. Products include turbine and motor driven turbocompressors, cryogenic turboexpanders, turbo generators, air cycle machines and foil air/gas bearings.

[Email us and note the JA number](#)

### **JA 52 SENIOR MECHANICAL ENGINEER**

**Job Location: Bloomfield, CT**

#### **Qualifications:**

Bachelor of Science in Mechanical or Aerospace Engineering and at least 7 years experience is required. A Masters Degree with knowledge of small gas turbine engines (20 to 75 lbs thrust) will be viewed favorably. The ideal candidate would possess knowledge of complete small gas turbine design, and have hands-on practical experience with prototype design, manufacture and testing. Project leadership in the design and development of mechanical components with challenging performance requirements, which require product design innovation and strict schedule/budget management, will be viewed favorably. The applicant must have U.S. citizenship or "lawful permanent resident status".

#### **Job Responsibilities:**

The chosen engineering applicant will be challenged by an entrepreneurial environment in the design and development of small (20 to 75 lb thrust) gas turbine engines. Job responsibilities will require the successful candidate to have a strong mechanical aptitude and to demonstrate competency in the categories of analytical thinking, customer focus, teamwork, self starting initiative, adaptability, results oriented, and communication. The position will focus on the analysis, design and testing of small gas turbine engines as a member of a team. Additional responsibilities include project management and customer (DOD) interface.

**About the Company:** Our company is a world leader in high-speed turbomachinery. We design, develop and manufacture energy efficient and environmentally safe oil-free high-speed turbomachinery supported on foil gas bearings. Products include turbine and motor driven turbocompressors, cryogenic turboexpanders, turbo generators, air cycle machines and foil air/gas bearings.

[Email us and note the JA number](#)

### **JA 44 Process Development Technician / Engineer**

**Job Location: East Granby, CT**

#### **"Do You Have A Passion For Excellence?"**

We are a high performance and market leading laser and electron beam welding company. Our continued growth requires us to strengthen our engineering team with the next key player. We are looking for a focused, high energy, technically competent, experienced process development Technician or Engineer. A positive can-do attitude is a must in this very dynamic department. If you are creative, motivated, and ready to be challenged we want to talk with you.

#### **Duties and Responsibilities:**

- **Process development with Laser welding.**
- **Develop weld processes and parameters in accordance with customer requirements.**
- **Develop and execute assigned project tasks including technical reviews with customer, weld design conceptualization, analysis, and documentation.**
- **Test and evaluate metallurgical samples for compliance to customer specifications.**
- **Support specialized equipment & processes and be a leader in root cause analysis techniques.**

**Qualifications:**

- 3 – 5 years minimum hands on laser welding experience.
- B.S. in Mechanical or Material Science Engineering preferred but not required.
- Must be able to conduct metallurgical evaluations.
- CAD design skills – Solid Works experience preferred.
- Proficiency with CAD/CAMM and/or motion control software a plus.
- Gas Tungsten Arc Welding experience preferred but not required.

If you have what it takes to join our high performance team please tell us in a cover letter “What are the characteristics of a great Process Development Technician / Engineer?” **Only candidates addressing this question will be considered.** Please email your resume, cover letter, and salary requirements when applying. [Email us and note the JA number](#)

**JA 39 Product Development Engineer, Medical Devices**

**Location: Greater New Haven, CT**

**Recruiting Company:** Our global CT based client, a giant in the world of wound care, continues its growth. This growth demands additional human capital, namely a seasoned product development engineer with proven experience in medical device product design, carried from concept through commercialization. You'll never get bored since this is a multidimensional job; in short, you will gain exposure to many facets of the business and learn from the best.

**To be considered you are to have these qualifications:**

- Bachelors degree in chemical engineering, biomedical engineering, material science, biology, or similar discipline
- Minimum of 4 years of industry experience in medical device product design and commercialization
- Familiar with FDA QSR and ISO 13485 medical device regulations
- Knowledgeable in basic physiology
- Demonstrated ability to collaborate with Marketing and Sales in product idea generation, development, and launch
- Familiar with basic laboratory practices

**And this is what we expect that you will do:**

- Detailed execution of new product design, verification, and validation
- Collaborate with Marketing and Sales to understand customer requirements and translate into product specifications
- Participate in risk analysis for new products and lead detailed follow-through of risk mitigation
- Develop prospective test protocols and perform or coordinate testing
- Maintain and operate a small laboratory
- Create design history file for new products and maintain files for current products
- Create product documentation such as specifications, drawings (some 2-D CAD required), and bills of materials
- Maintain product data in enterprise resource planning software
- Execute engineering change orders to support existing product lines
- Conduct and report on feasibility studies of design concepts
- Perform and report on technology search in the literature

Conveniently located in CT, you will enjoy our location as well as the elite team of A players who make up our crew. The common denominator of the group is to have extensive pride in who we are and what we do but with minimal ego. Interested?

Email us and note the JA number

**JA 35 Hardware Engineer**

**Location: Windsor, CT**

We are a Small Business company involved in SBIR contracts and R&D work in the aerospace field.

We are also developing commercial products for the industrial market. We are currently looking for 1 or 2 contract engineers for the next 1 year with the skills described below.

- Ability to design analog electronic circuits for aerospace sensor interfaces, Switching Mode Power Supply (SMPS) and motor drives.
- Good hands-on circuit design, schematics entry, PCB layout, board level testing, integration and debug experience.
- Experience with design of embedded microcontroller based digital designs with I2C, USB and other data buses.
- Experience with design of FPGA, CPLD designs using HDL.
- Experience and knowledge with environmental testing including temperature, vibration, shock and EMI.
- Experience in designing, building and testing using custom test circuitry.
- [Email us and note the JA number](#)

**JA 36 Software Engineer**  
**Location: Windsor, CT**

We are a Small Business company involved in SBIR contracts and R&D work in the aerospace field. We are also developing commercial products for the industrial market. We are currently looking for 1 or 2 contract engineers for the next 1 year with the skills described below.

- Experience with design of Embedded software in C.
- Experience with software for real time data acquisition.
- Experience with protocol stacks for serial buses for I2C, USB and other data buses.
- Experience with use of ModBus protocol.

**Candidate Profile:**

The ideal candidates will bring 5+ Years of engineering experience in a development and prototype electronic hardware design, software programming and integration/ testing. Knowledge of “Lab View” software programming would be a plus. Aerospace experience is preferred. A minimum of a Bachelor’s degree in Electrical / Software Engineering field is required.

[Email us and note the JA number](#)

**JA 33 Part Time: CNC Routing Machine Engineer**  
**Location: Montville, CT**  
**Company Background:**

This company, founded in 1946 by three brothers, was an early American innovator in no-maintenance products including: marine windows, blinds, storm windows and doors, vinyl coated chain link fence, aluminum railing and shower enclosures. The factory and showroom are housed in the historic former Palmer Mill in Montville, Connecticut. The company has entered its third generation as a local, family owned, American manufacturer focusing on product excellence and service. Customers are as far as Canada, Australia, and New Zealand purchase their products.

The company has continued to innovate with a range of products including: no-maintenance vinyl and aluminum railing, porch enclosures, custom vinyl replacement windows, and for the past decade, high quality vinyl fencing and more.

**Position:**

A manufacturing company in Montville, CT is looking for a part-time CNC routing machine engineer to operate a computer routing table. The position requires basic math skills and geometry thoughtfulness. The workload is not consistent but mainly during spring-fall. This position requires decent physical condition, hands on practicality, and the occasional lifting of bundles and loading of materials. If someone could be found to do this job and the job below, it would then become a full time position.

[Email us and note the JA number](#)

### JA 34 Part Time: Fusion Welder

#### **Location: Montville**

The same company (see above) is also interested in someone for the window department to weld windows. Machine operating skills are necessary as well as math and hands on engineering experience. The job involves operating a fusion welder machine and doing some prep work on the pre-welded materials.

Depending on ability, other tasks pertaining to finishing window sashes and assembling would be included.

This position required decent physical condition, hands on practicality, and the occasional lifting of bundles and loading of materials. If someone could be found to do this job and the job above, it would then become ad full time position.

[Email us and note the JA number](#)

### JA 32 Vice President Engineering

#### **Location: Torrington, CT**

#### **Company Background:**

This start-up company was founded on the principle of pioneering a new market for wind energy. Through creative innovation, we have developed a proprietary mid scale wind turbine system that is designed specifically for use in industrial markets using over \$40,000 of electricity annually. By developing an innovative suite of technologies that accelerate existing wind speeds, reduce installation and maintenance costs, and bring turbine sizes in line with what suburban and urban communities will accept, this company has brought wind energy to a whole new world of customers. These markets can include schools, businesses, government locations, factories, etc.

We have over 20 highly motivated, talented employees with backgrounds in engineering, energy, manufacturing and fan technology. This team has completed a detailed design of the product and is in the initial stages of manufacturing the first unit at a customer's site for testing. Upon successful completion and proof of concept, this company will secure additional financing in a series B round for use in manufacturing and commercialization.

#### **The Position:**

Reporting to the Chief Executive Officer, our candidate of choice will be defined by his/her technical innovation/brilliance, leadership, and experience with successfully transitioning complex and highly technical products from development to commercialization.

This professional will initially be hands on while effectively leading the engineering group in the design and delivery of innovative wind turbine systems. This individual should be capable of quickly earning the respect of a highly technical and diverse team of managers and engineers. Our candidate of choice will have a demonstrated record of vigorously leading and motivating engineering organizations in delivering high quality, innovative products to market in a timely, efficient, and cost effective manner. The ideal candidate will leverage his/her analytical and technical expertise in the solution of complex technical and structural engineering problems. This individual will demonstrate creativity while working with vendors in a supply chain utilizing highly customized components. It is essential that this professional create productive vendor relationships and work with these resources to, in many cases, stretch beyond their current processes and capabilities. Our candidate of choice will not only be responsible for technical leadership, but will also be expected to demonstrate and establish a positive culture and working environment as the organization transitions to commercial product launch.

#### **Responsibilities:**

- Play a pivotal role in rapidly transitioning the company from a product development orientation to a focus on product commercialization.
- Develop and implement practical solutions to complex design challenges.
- Drive the development process to ensure meeting interim goals and the overall product introduction schedule. Ensure that the product meets its performance, cost and quality targets.
- Effectively mine the technical team's knowledge for innovative technical approaches while keeping the team focused on meeting development goals.
- Work closely with marketing in translating market requirements into viable, reliable, and cost effective product platforms and individual product specifications.
- Focus the engineering team on delivering a product to market.
- Identify, build relationships with and manage critical strategic external suppliers and partners.

- Integrate engineering, vendors, and external development efforts to focus on reliable manufacturability.
- Recruit, review and mentor talented teams of multi disciplined engineers and technicians.
- Create and maintain a positive and results oriented culture.
- [Email us and note the JA number](#)

#### **Qualifications:**

Our candidate of choice will bring diverse and deep mechanical engineering knowledge with an emphasis on structural design, aerodynamics, and electro-mechanical design to the position. This is a highly customized product which utilizes various manufacturing process. It is extremely important for this professional to have exposure to several different techniques including but not limited to forging, casting, welding, heat treatment, stamping, molding, etc. This professional must foster positive team dynamics and respect within the organization.

This individual will be an exceptional communicator with an emphasis on leading technology development through commercialization. He/She will have a career that has been defined by demonstrated successes in creatively solving complex technical problems and reaching established goals. The ideal candidate will be a person of ethics, vision, creativity and initiative, as well as a person who has consistently demonstrated his/her ability to commercialize technology successfully.

- A minimum of 10 years experience in innovative engineering environments with significant leadership and management roles is a must. Experience managing highly technical teams including managers and engineers is required.
- Strong structural experience is a must. Experience and aptitude with aerodynamics and electrical design are also highly preferred.
- Demonstrated history of successful product development/commercialization with a focus on technology based products.
- Previous experience in both large organizations and start-up environment strongly preferred.
- Experience guiding teams on complex products through product development, and an inherent sense of how to successfully commercialize technology and products.
- A passion to accept accountability and responsibility for deliverables.
- Extensive project management skills and ability to multi-task in a highly complex and dynamic technical environment.
- Expertise in engineering leadership across multi-functional technical platforms.
- Knowledgeable of modeling, design, drafting, analysis and project management software tools.
- Experience fostering new products through IEC/UL certification processes is preferred.
- Strong communications skills. Proven ability to present to the executive team, board of directors, potential investors, customers, and conferences.
- BS in Engineering. MS or MBA preferred.

[Email us and note the JA number](#)

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#### **JA 30 Web Application Programmer – (2 positions: 1 Full Time, 1 Part-Time)**

**Location: Cromwell**

#### **Company Background:**

Our company background is computer programming building large-scale industry and customer specific systems. We see the Internet as an exciting communications tool to deploy and deliver real world applications directly into homes and businesses. We build custom web-based applications for this purpose. Our philosophy is every piece of information/data residing within each business can be converted, migrated, interfaced and made available to people and businesses on the web.

#### **Skills and Requirements:**

- Seeking Skills in Web Development technologies with a large Microsoft emphasis:
  - ASP, ASP.NET (C Sharp), Visual Studio.NET 2003/2005/2008
  - Team Foundation Server
  - VB Script, HTML, JavaScript, XML, CSS
  - Transact SQL, Microsoft SQL Server 2000/2005, Access, MySQL
  - IIS 6.0 Website Configuration
- Website Design a Definite Advantage

- Adobe Creative Suite Applications
- 2D Design Experience
- Ability to improve upon existing designs and support existing systems
- Demonstrated skills to develop and manage large, complex web sites using database technology, .net, asp, javascript, and css
- Identify and implement best practices within an existing Microsoft environment
- Experience in web programming essentials
- Excellent customer relations and communication skills
- Ability to work independently and within a project team
- Must be able to meet deadlines set by management and report daily status to team manager
- Must be able to follow Quality Control procedures including change control, documentation, and testing

**Current Benefits:**

- Excellent Medical coverage
- Paid Holidays
- Sick/personal time
- Paid Vacation
- 401K

**Pre-employment drug testing is required.**

[Email us and note the JA number](#)

**JA 29 Fuel Cell Engineer**

**Location: North Haven**

**Company Background**

We are a small growing technology company developing, manufacturing, and marketing advanced catalytic devices and systems for Energy sector applications including fuel reforming, clean and efficient catalytic combustion, air cleaning and specialty applications. We operate with revenues from both government R&D contracts and major industrial partner support, and have built a world-leading expertise in catalytic combustion, catalytic reforming, and novel specialty applications of short contact time catalysts. Products under development include compact, high efficiency fuel processors for fuel cells and other applications, ultra-compact burners, trace contaminant control systems, ultra-low NOx catalytic combustors for gas turbines, a downhole catalytic combustor/steam generator for oil and gas production, and short contact time catalytic reactors for chemicals manufacture.

Our team of 33 includes highly educated members (9 with PhDs), strong fundamental skill and substantial experience, with a range of skills including catalysis, coatings, materials, modeling and combustor development. We are flexible, results-oriented, and work well together; smart, energetic people driven to succeed. You will find a very high quality staff, new products under development, an energized atmosphere, and an excellent opportunity to apply your skills in a technology company.

An opportunity has arisen within the team for a skillful Fuel Cell Engineer with excellent, hands-on R&D skills and a creative approach to problem-solving in a dynamic environment. Self-motivated candidates with strong writing and verbal communication skills are preferred. This is an excellent opportunity to work with a team of highly talented engineers on groundbreaking technology.

This role focuses on taking the existing reforming technology and working with the engineering team and collaborating partners to integrate this technology into a power generation system. The successful candidate will advance development of fuel cell components with specific focus on stack and system concepts. We seek someone that can support an integrated reforming and fuel cell system and has good understanding and knowledge of the reforming and the fuel cell system requirements, such as optimum operating conditions, system issues, load change issues, stacks thermal management, water management, etc., as well as what its limitations may be when it comes to the effects of sulfur, steam, load changes and reformate variability.

The successful candidate will be working with the team on the design, fabrication and optimization of power generation systems. Primary responsibilities will include the mechanical design and integration of PCI's fuel processor with a range of stacks, components and unit subsystems. He/She will also support other engineers to help coordinate the overall integration of the system and optimize the system components packaging within the unit to

minimize product size and enhance product performance. Stack technologies of interest include Solid Oxide and High Temperature PEM.

***Experience Required:***

- Hands-on experience in electrochemical systems and testing of Fuel Cells (SOFC, HT -PEM)
- Experience with high-temperature systems and combustible gases
- Experience with fuel cells or other chemical reactors (particularly flow reactors)
- Experience/familiarity with stack assembly, fabrication, and testing, and characterization techniques for SOFCs and other advanced electro-ceramic materials
- Systems knowledge, integration, and troubleshooting experience
- Ability to solve issues with trying to use ATR/reformer exhaust stream to feed fuel cell stacks
- Experience with material property characterization as well as an ability to assess stack performance metrics
- Experience with electrochemical measurement techniques and characterization skills
- PhD or MS degree in Materials/Electrochemistry or related fields with 5 yrs industry experience

***Other experience desired, but not required:***

- Background in power electronics/ceramics
- Experience with electrical systems or electronics
- Prior military experience
- Prior DOD, DOE Agency experience

**U.S. citizenship or permanent residency is required.**

[Email us and note the JA number](#)

**JA26**

**Job Title: 2 RFID Systems Engineers (1 Junior and 1 Senior position)**

**Location: New Haven, CT**

RFID Systems Engineers who are excited about combining their interests in engineering and security are needed for a cutting edge project. The team will develop the prototype of a secure, passive RFID tag for the pharmaceutical industry by combining EPCglobal Gen2 communication protocols with the firm's security methods.

**Essential Duties and Responsibilities:**

- Create product requirements and test plan to support their development.
- Develop digital circuits design via RTL and then a Netlist
- Develop an end-to-end system simulation and analysis to evaluate various technical issues such as modulation schemes.
- Develop new methods / algorithms to improve system performance.
- Design and deploy RF digital communication system and sub-system.
- Provide written reports and summaries of development projects and tasks.

**Requirements: (Education, training, skills etc.)**

- Bachelors degree in Electrical Engineering or similar
- Minimum 2 (junior position) to 5 (senior position) years experience in RF wireless communication system.
- A solid understanding of wireless communications in theory and applications, plus RFID experience is required. Experience with EPCglobal Class 1, Generation 2 protocols preferred.
- Working knowledge of and ability to create and navigate through detailed technical standards/specifications and other technical documents
- Knowledge of cryptography and security methods is a plus.
- Experience in digital wireless communication system analysis and design such as: Link budget; Channel planning, Multipath Fading analysis, Modulator/Demodulator schema design, Spectrum and bandwidth analysis and System Performance (BER, PER) analysis.
- Knowledgeable in CAD/CAE tools.

- Knowledgeable in Matlab, ADS or similar simulation tools.
- Knowledgeable in Verilog or VHDL, test bench development, and code control
- Good oral and written communication skills
- Must work in a minimum supervision environment
- Able to work alone or within a team.
- Must be self motivated and very creative with excellent communications and writing skills

We are an equal opportunity employer offering medical benefits, disability insurance, paid time off and holidays, health and dependent care spending accounts and a 401K retirement plan.

[Email us and note the JA number](#)

### **JA 27 Application Developer to build Laboratory Information Management Systems**

**Job Location: Branford**

This company is a software company in Branford, CT, serving the life sciences/pharmaceutical industries. They are looking for smart, hard working people who want a career in an exciting environment with cutting edge technology.

You will learn new skills, interact with scientists at leading institutions, and contribute to advancing research at the frontier of knowledge.

They have an immediate opening for an application developer to build Laboratory Information Management Systems for our biotech & pharma clients. Candidates for this position should be recent graduates who have majored in the hard sciences, such as biology, chemistry, physics, or engineering. The successful candidate will have strong analytical thinking skills; excellent written, verbal, and listening skills; work well with others in a team setting; possess a strong work ethic; and above all, must be committed to excellence. No prior software development background is necessary; however the candidate must be driven to excellence and able to learn a novel technology quickly. Interested candidates should send a resume, transcript, any standardized testing scores (such as SAT/ACT) and a thorough cover letter with salary requirements. Potential candidates will be contacted for a pre-employment assessment and possible interview. Candidates must be able to accept full-time employment and pass pre-employment drug screening. Compensation package includes health care, vacation, and equity participation. This company is an equal opportunity employer.

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### **JA 16**

**Job Title: Mechanical Engineer III**

**Location: Bristol, CT**

**Summary:** Generate finished machine designs from a general concept. Use a high level of judgment and experience to make robust, effective equipment. Do so with minimal instruction. Machine types include a complex continuous motion machines, process machines, synchronous and asynchronous assembly machines etc. These designs must address:

**Performance:** Optimize ability of the machine to perform the specified function, appropriate longevity, maintainability, etc.

**Cost:** Minimize cost in all phases, design time, purchased parts, materials, fabrication, assembly and debug.

**Delivery time:** Minimize time to completion in all steps, including engineering, purchased parts, fabrication and assembly.

**Essential Duties and Responsibilities** include the following. Other duties may be assigned.

- Adhere to the machine specifications.
- Develop appropriate solutions to design problems.
- Collaborate with the project manager on issues pertaining to the project.
- Perform all necessary engineering calculations and keep documentation of the same.
- Select appropriate, cost effective purchased parts with acceptable delivery times.
- Discuss the machine sequence, control requirements, and electrical components with the appropriate controls designer.

- Make detailed drawings of designs while adhering to accepted AGR and ASME standards.
- Fill out the Bill of Materials to AGR requirements.
- Follow the ISO9001 procedure for engineering, including reviews and information capture.
- Support the shop on technical issues during fabrication, assembly and debug.
- Perform correct, timely, engineering analysis when required (i.e. metal fatigue, fluid flow, vibration, heat transfer calculations etc).
- Develop Manuals for machinery (when necessary).
- Travel to customer sites in support of AGR business (rarely).

**Qualifications** To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Bachelor of Science in an applicable field, (i.e. Mechanical Engineering, Physics).
- A minimum of 5 years experience in engineering design.
- 3D cad experience, preferably Solidworks.
- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.
- Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.
- Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

[Email us and note the JA number](#)

### **JA 22, JA 23 Experienced Radar Engineers (One or Two positions open)**

#### **Location: Trumbull**

A corporation is seeking radar engineers with three or more years of relevant work experience in developing signal processing algorithms for ballistic missile discrimination (BMD), ground moving target indication (GMTI), target tracking, space-time adaptive processing (STAP) and/or synthetic aperture radar (SAR) imaging. These engineers are needed for exciting research and development projects where they will perform theoretical studies, algorithm software development, system analysis and design, and modeling and simulation tasks. The ideal candidate will be technically strong, with a BS, MS or PhD in Electrical Engineering, Physics or Computer Science and have strong MATLAB, C/C++, FORTRAN 90 or similar programming skills.

The company is an employee-owned business that performs advanced research and development efforts for the FAA, DoD and other Government agencies that require US citizenship. The company has a small business environment that gives its employees access to leading edge technologies and equipment. The company is an equal employment and affirmative action company that offers competitive wages, benefits, and excellent career opportunities. You can make a difference!

[Email us and note the JA number](#)

### **JA 24 Inspector (Temporary to Permanent) Entry Level Position \$12/hour**

#### **Job Location: Naugatuck**

Perform inspections and tests on incoming material, in process and finished product to ensure that quality standards and process controls are being met throughout the manufacturing process. Generate the appropriate documentation, records, and reports. Support quality, engineering, and manufacturing as needed.

#### **Job Responsibilities**

- Perform Incoming Visual/Dimensional (V&M) inspections, in process (SPC), and Final inspections as required.
- Review and verification of certification documentation, inspection and testing of parts for compliance to drawings and/or specifications, detailed documentation of results, generation of certificate of compliance, and proper maintenance of records.
- Generate various quality reports.
- Generate NCMR reports.
- Maintain inspection database with required records.
- Generate/maintain database for in process and final inspection information.

**Qualifications (required)**

- Minimum of 5 years of mechanical inspection experience.
- Experience and knowledge of Acceptance Sampling plans (Mil-Std 105E) and table usage.
- Must be able to read and interpret mechanical drawings.
- Proficient in the use of mechanical inspection equipment including calipers, micrometers, indicators, go/no go gages, and other mechanical inspection equipment
- Visual inspection experience.
- Able to discuss technical problems encountered with manager, engineering, or purchasing staff.
- Ability to prioritize inspection workload.
- Detail oriented and excellent organizational skills.
- Strong communication skills - written and verbal. Ability to work under pressure in a fast paced environment.
- Must have experience with MS Office platforms (Excel, Word, etc.)

**The following is preferred:**

- Experience working in an ISO 9001:2000 Quality System.
- Gather data for SPC monitoring. Ability to analyze results and identify out-of-control conditions, trends and runs.

This company provides temporary, contract and full-time jobs as well as career services to job seekers, free of charge. If you're job hunting, or looking for immediate work, their recruiters can help you. They have thousands of temporary employment opportunities waiting to be found. Start your job search today and apply for a job!

[Email us and note the JA number](#)

**JA 25 Laser Welder (Temporary to Permanent) \$12/hour**

**Location:** Naugatuck

**Experienced candidates**

We are willing to train (Laser Welding) the right individual

**Required Knowledge:**

Use of measuring instruments and tools

Blue print reading

Ability to work in a fast paced, ever changing production environment.

Good basic math and communication skills

Attention to detail

**Preferred Knowledge not required:**

Programming/Setup and Operation of Laser welding machines

Welding terminology

**Candidate will be responsible for Setup/Operation:**

Laser welding machine and other machines / tools

[Email us and note the JA number](#)

### **JA7 TURBOMACHINERY ENGINEER**

#### **Job Location: Bloomfield, CT**

A world leader in high-speed turbomachinery. We design, develop and manufacture energy efficient and environmentally safe oil-free high-speed turbomachinery supported on foil gas bearings. Products include turbine and motor driven turbocompressors, cryogenic turboexpanders, turbo generators, air cycle machines and foil air/gas bearings.

**Job Responsibilities:** The chosen engineering applicant will be challenged by an entrepreneurial environment in the design and development of oil-free high-speed turbomachinery. Job responsibilities will require the successful candidate to have a strong mechanical aptitude and to demonstrate competency in the categories of analytical thinking, customer focus, teamwork, self starting initiative, adaptability, focus on results, and communication.

**Qualifications:** Bachelor of Science in Mechanical or Aerospace Engineering and at least 3 years experience is required. A Masters Degree with focus on rotating machinery background will be viewed favorably. The ideal candidate would possess knowledge of compressor, turbine design and have practical hands-on practical experience with prototype design, manufacture and testing. Leadership in the design and development of mechanical components with challenging performance requirements, which require product design innovation and strict schedule/budget management, will be viewed favorably. The applicant must be a U.S. citizen or have "lawful permanent resident status".

We offer competitive pay with full benefit package, 401(k) Plan and a pleasant work environment.

If interested:

[Email us and note the JA number](#)

### **JA8 Business Development Manager**

#### **Job Location: Danbury, CT**

CT based engineering prototype and product development company seeks an experienced Business Development Manager to expand its business into the Medical Device industry in the Northeast. The company designs and develops electronic hardware and software for embedded systems, real-time systems, and control-systems. This is a commission-based job opportunity.

#### **Responsibilities Include:**

Identifying and generating sources of new business  
Qualifying potential clients  
Managing and cultivating client relationships  
Developing new opportunities into revenue  
Reporting leads, proposals and pipeline

#### **Candidate must have:**

- a BS or BA degree
- at least 5 years of experience with marketing and /or business development in an engineering or health care related field
- prior experience with developing new business for engineering companies

If interested:

[Email us and note the JA number](#)

### **JA10 Embedded Software Engineer**

#### **Job Location: Fairfield County, CT**

Are you interested in robotics, motion control, control systems and automation? Do you see yourself working on cutting edge technology?

Our company is a consulting firm that specializes in software engineering and embedded systems. Our consultants work on long-term contracts with leading hi-tech companies throughout New England. One of our current clients is in the semiconductor industry and is looking for a consultant who can hit the ground running.

For this position, you need not have prior experience as a consultant, but you must be able to manage your own projects and get things done. In this role, you will be finding & negotiating technical solutions, translating high level requirements into software solutions and possibly leading developments, as well as doing the coding, testing and documentation. You will be working with a multidisciplinary and multinational team.

In our interview process, you must be able to demonstrate your experience with requirements definition, software

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design and system testing. You must have prior experience with C/C++ programming and scripting languages. Since you will be working on a Unix/Solaris platform (with ClearCase), you must have prior experience on that platform as well as experience on real-time operating systems such as VxWorks, pSOS, Vertex. Additionally, you must be able to show that you can write drivers and interact with complex hardware.

This position may require some international travel. It also requires a strong academic background and understanding of electronics and computer science. Compensation will be based on prior experience.

If interested:

[Email us and note the JA number](#)