



19-381 – Staff Augmentation for Radiation Engineers

	<b>Information we need from your organization is listed in the final section of this TechScout Request.</b>
Title	Radiation Engineers Staff Augmentation (Labor) Request
Request	The Innovation Sourcing Network is sharing an <b>immediate requirement</b> for Staff Augmentation (Labor) in the form of <b>Radiation Effects Engineers</b> to support multiple radiation analysis across all orbital regimes. We are seeking labor companies who can immediately provide minimum of 2 TS/SCI CLEARED or CLEARABLE Radiation Engineers <b>as soon as possible</b> in either <b>Scottsdale, Arizona</b> or <b>El Segundo, California</b> .
Job Description	<p>General Dynamics Mission Systems radiation effects engineers ensure the performance of our technology and systems in space environments. Our systems operate in challenging environments, requiring application of radiation tolerant and/or hardened materials and electronics. As the radiation effects engineer, you will be responsible for guiding selection, characterization, qualification, and application of these materials and components into high performance space systems.</p> <p>As the radiation effects engineer, you will be responsible for selection of suitable materials and electronic components and ensuring that they perform in our mission environments.</p> <p>Basic qualifications include:</p> <ul style="list-style-type: none"> <li>• Knowledge of the natural space radiation environment including both trapped and transient (i.e., solar and extrasolar) sources in addition to proficiency in modelling these environments.</li> <li>• Proficiency in analyzing the effects of radiation in materials and electronic components including cumulative dose (i.e., TID/ELDRS and DDD) and single event effects (SEE) including derivation of derating requirements for worst-case analysis.</li> <li>• Understanding of spacecraft charging effects, dielectric charging effects, and the development of design mitigation guidelines.</li> <li>• Proficiency in radiation characterization and qualification testing including experience using various energy sources (e.g., heavy ion, proton, Co-60, and others).</li> <li>• Proficiency in circuit-level and system-level design and radiation effects analysis including mitigation design and system availability assessments.</li> <li>• Knowledge of nuclear weapons effects including pulse dose rate, neutron fluence, and electromagnetic pulse effects is desired.</li> </ul> <p>Preferred education: Bachelor’s degree in Electrical Engineering, Materials Science, Physics or a similar technical field or the equivalent and at least ten years of related work experience.</p> <p>Clearance requirements: TS/SCI w/ SSBI preferred.</p>
Keyword(s)	Radiation, Space System/Systems, Technology, Space Environment
Response Instructions & Date	<p><b>Responses Required AS SOON AS POSSIBLE (prior to 11/21/2019 preferred)</b></p> <p>General Dynamics Mission Systems Innovation Sourcing Network™ (ISN) is seeking respondents to the following TechScout request. This TechScout request does not contain U.S. export controlled technical data or proprietary information, and is approved by General Dynamics Mission Systems for public release and is in the public domain.</p> <p><b>Send email response to <a href="mailto:techscout@gd-ms.com">techscout@gd-ms.com</a></b></p>

	<p><b>TechScout responses should not contain any export controlled technical data or proprietary information.</b></p> <p><b><u>Response should include the following information</u></b></p> <ul style="list-style-type: none"> <li>• <b>A statement that says if you can fulfill the request</b></li> <li>• <b>Answers to the following questions:</b> <ul style="list-style-type: none"> <li>○ Does your company have a Facility Security Clearance? (See <a href="https://www.dss.mil">https://www.dss.mil</a>)</li> <li>○ Does your company hold your employees' clearances?</li> <li>○ To what security level can you hold your employees' clearances?</li> </ul> </li> <li>• <b>Include your SBA Classification</b></li> <li>• <b>Include if you are a Non Traditional DoD Contractor</b></li> <li>• <b>Include any OTA Consortia that you are a member of</b></li> </ul> <p><i>In your response, please identify whether you or your company are located outside the U.S. If located outside the U.S., please identify any home country export controls that will apply to your response. If located in the U.S., please identify whether your company employs non-U.S. manufacturing or design facilities, or foreign nationals in your response.</i></p> <p>Any subsequent interaction between General Dynamics Mission Systems and a non-U.S. based TechScout respondent, or a U.S. based TechScout Respondent with non-U.S. manufacturing, design or foreign national employees must be reviewed and approved in advance for U.S. Export Compliance requirements by the General Dynamics Mission Systems Office of Import/Export Compliance prior to any such interaction.</p> <p>General Dynamics Mission Systems will not be responsible for, nor will it pay for any expense which may be incurred by the supplier in preparation of its TechScout response. Supplier acknowledges and agrees that this TechScout request does not commit General Dynamics Mission Systems to any course of action, including but not limited to, any purchase of supplier's products or services or any future involvement with supplier. The issuance of this request does not bind General Dynamics Mission Systems to accept or review any response, in whole or in part. Subsequent pursuit or action on the part of General Dynamics Mission Systems or the TechScout respondent may require the respondent to comply with aspects of the U.S. International Traffic in Arms Regulations (ITAR) or the U.S. Export Administration Regulations (EAR) including a need to register, or apply for or execute licenses or other authorizations.</p> <p>Firms or individuals from countries subject to U.S. sanctions are not eligible to participate in this TechScout request. (U.S. Sanctions information may be found at: <a href="https://www.treasury.gov/resourcecenter/sanctions/Programs/Pages/Programs.aspx">https://www.treasury.gov/resourcecenter/sanctions/Programs/Pages/Programs.aspx</a>). These sanctions apply comprehensively to Iran, Syria, Sudan, Cuba, and North Korea. In addition, Firms or individuals that appear on the U.S. Government's Consolidated Screening List (available at <a href="http://export.gov/ecr/eg_main_023148.asp">http://export.gov/ecr/eg_main_023148.asp</a>) are not eligible to participate in this TechScout request."</p>
Questions	<p>Email Alyssa Marzilli with any questions or required clarification at <a href="mailto:alyssa.marzilli@gd-ms.com">alyssa.marzilli@gd-ms.com</a></p>