



20-007 – Motors and Amplifiers

	<b>Information we need from your organization</b>
Title	Small Cost Effective Motors and Amplifiers
Description	In order to drive smaller (2.4 to 5.0m) AZ/EL or X/Y antennas for commercial applications, a cost effective motor and drive amplifier solution is required. Power requirements are expected to be <=1HP (750W). The motors can be enclosed or open frame and intended for geared or direct drive applications. The drive amplifiers can be separate or integrated with the motor.
Focus Area(s)	<ul style="list-style-type: none"> <li>Seeking suppliers of motors and/or drive amplifiers in the &lt;=1HP (750W) range.</li> <li>Motors shall be capable of providing full torque at zero speed and smooth performance from full to very low speeds.</li> <li>Motors will be in an outdoor environment (-20 to +50C, 100% condensing humidity).</li> <li>Drive amplifiers shall support closed loop velocity control at &gt;=64Hz rates.</li> <li>Velocity commands may be either analog or digital (serial, Ethernet) signals.</li> </ul>
Keyword(s)	Motors, Amplifiers
Response Instructions & Date	<p><b>Responses will be accepted thru 5/01/2020</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>Response should include the following information</b></p> <ul style="list-style-type: none"> <li><b>Product information in the form of a data sheet</b></li> <li><b>Include your SBA Classification</b></li> <li><b>Include if you are a Non Traditional DoD Contractor</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/resource_center/sanctions/Programs/Pages/Programs.aspx">https://www.treasury.gov/resource_center/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	Email the Innovation Sourcing Network with any questions or required clarification at <a href="mailto:techscout@gd-ms.com">techscout@gd-ms.com</a> .