GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
Authorized Federal Supply Schedule Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!, a menu-driven database system. The INTERNET address for GSA Advantage! is http://www.gsaadvantage.gov

Schedule Title: Multiple Award Schedule (MAS)

<table>
<thead>
<tr>
<th>Large Category</th>
<th>Subcategory</th>
<th>PSC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Services</td>
<td>Technical and Engineering Services (Non IT)</td>
<td>R425</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>Complementary Special Item Numbers (SINs)</td>
<td>0000</td>
</tr>
</tbody>
</table>

For more information on ordering from Federal Supply Schedules click on the GSA Schedules link at www.gsa.gov

Contract Number: 47QRAA22D00BN
Contract Period: June 23, 2022 to June 22, 2027
Contractor: Vortex Systems LLC
116 Broadbrook Rd
Enfield, CT 06082
www.vortexsystemsct.com

Contractor’s Administration Source:
Thomas Wilkinson
Phone: 860-749-7259
Email: tom.wilkinson@vortex-systems.com

Business Size: Small Business
Veteran Owned Small Business

Prices shown herein are Net (Discount deducted)
1a. Awarded Special Item Numbers (SINs)

<table>
<thead>
<tr>
<th>SIN</th>
<th>SIN Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>541420</td>
<td>Engineering System Design and Integration Services</td>
</tr>
<tr>
<td>OLM</td>
<td>Order Level Materials</td>
</tr>
</tbody>
</table>

1b. Lowest Priced Model Number and Price For Each SIN: N/A

1c. Hourly & Service Rates: See price list on page 7

2. MAXIMUM ORDER:

<table>
<thead>
<tr>
<th>SIN</th>
<th>Maximum Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>541420</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>541330EMI</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>OLM</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

3. MINIMUM ORDER: $100

4. GEOGRAPHIC COVERAGE: Domestic

5. POINT(S) OF PRODUCTION: Same as contractor

6. DISCOUNT FROM LIST PRICES: Prices shown are GSA Net, discount deducted.

7. QUANTITY DISCOUNT(S):
   - 1% on task orders $100,000 and over
   - 2% on task orders $250,000 and over

8. PROMPT PAYMENT TERMS: Net 30 Days

Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.
9. FOREIGN ITEMS: Not Applicable

10a. TIME OF DELIVERY: Determined on the Task Order Level

10b. EXPEDITED DELIVERY: Contact contractor

10c. OVERNIGHT AND 2-DAY DELIVERY: Contact contractor

10d. URGENT REQUIREMENTS: Agencies can contact the Contractor’s representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

11. FOB POINT: Destination

12a. ORDERING ADDRESS: Same as contractor

12b. ORDERING PROCEDURES: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3

13. PAYMENT ADDRESS: Same as contractor

14. WARRANTY PROVISION: Not Applicable

15. EXPORT PACKING CHARGES: N/A

16. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE): N/A

17. TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE): N/A

18a. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE): N/A

18b. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE): N/A

19. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE): N/A

20. LIST OF PARTICIPATING DEALERS (IF APPLICABLE): N/A

21. PREVENTIVE MAINTENANCE (IF APPLICABLE): N/A
22a. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants): N/A

22b. Section 508 Compliance for EIT: N/A

23. Unique Entity Identifier (UEI) Number: FMV8HHMH39K8

24. Contractor has an active registration in the SAM database.
### AWARDED WORK SCOPE

<table>
<thead>
<tr>
<th>SIN</th>
<th>SIN Title</th>
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<tbody>
<tr>
<td>541420</td>
<td>Engineering System Design and Integration Services</td>
<td>Technical and Engineering Services (Non IT)</td>
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</table>

**DESCRIPTION:** Services include creating and developing designs and specifications that optimize the use, value, and appearance of their products. These services can include determination of the materials, construction, mechanisms, shape, color, and surface finishes of the product, taking into consideration human characteristics and needs, safety, market appeal, and efficiency in production, distribution, use, and maintenance.

Associated tasks include, but are not limited to computer-aided design, e.g. CADD, risk reduction strategies and recommendations to mitigate identified risk conditions, 3D modeling, performance-based design reviews, high level detailed specification and scope preparation, configuration, management and document control, fabrication, assembly and simulation, modeling, training, consulting, analysis of single or multi spacecraft missions and mission design analysis.

**NOTE:** Services under this NAICs can not include architect-engineer services as defined in the Brooks Act and FAR Part 2 or construction services as defined in the Federal Acquisition Regulation Part 36 and Part 2.

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</table>

**DESCRIPTION:** Services include: applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, processes, and systems specifically relating to military aerospace equipment and/or military weapons, and/or engineering services awarded under the National Energy Policy Act of 1992, and/or marine engineering or naval Architecture.

Services may involve any of the following activities: provision of advice, concept development, requirements analysis, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation, and related services.
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<tr>
<th>SIN</th>
<th>SIN Title</th>
<th>Subcategory</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLM</td>
<td>Order-Level Materials (OLM)</td>
<td>Complementary Special Item Numbers (SINs)</td>
</tr>
</tbody>
</table>

**DESCRIPTION:** OLMs are supplies and/or services acquired in direct support of an individual task or delivery order placed against a Schedule contract or BPA. OLM pricing is not established at the Schedule contract or BPA level, but at the order level. Since OLMs are identified and acquired at the order level, the ordering contracting officer (OCO) is responsible for making a fair and reasonable price determination for all OLMs.

OLMs are procured under a special ordering procedure that simplifies the process for acquiring supplies and services necessary to support individual task or delivery orders placed against a Schedule contract or BPA. Using this new procedure, ancillary supplies and services not known at the time of the Schedule award may be included and priced at the order level.

**OLM SIN-Level Requirements/Ordering Instructions:**

**OLMs are:**
- Purchased under the authority of the FSS Program
- Unknown until an order is placed
- Defined and priced at the ordering activity level in accordance with GSAR clause 552.238-115 Special Ordering Procedures for the Acquisition of Order-Level Materials. (Price analysis for OLMs is not conducted when awarding the FSS contract or FSS BPA; therefore, GSAR 538.270 and 538.271 do not apply to OLMs)
- Only authorized for use in direct support of another awarded SIN.
- Only authorized for inclusion at the order level under a Time-and-Materials (T&M) or Labor-Hour (LH) Contract Line Item Number (CLIN)
- Subject to a Not To Exceed (NTE) ceiling price

**OLMs are not:**
- Open Market Items.
- Items awarded under ancillary supplies/services or other direct cost (ODC) SINs (these items are defined, priced, and awarded at the FSS contract level)

**OLM Pricing:**
- Prices for items provided under the Order-Level Materials SIN must be inclusive of the Industrial Funding Fee (IFF).
- The value of OLMs in a task or delivery order, or the cumulative value of OLMs in orders against an FSS BPA awarded under an FSS contract, cannot exceed 33.33%.

**NOTE:** When used in conjunction with a Cooperative Purchasing eligible SIN, this SIN is Cooperative Purchasing Eligible.
AWARDED LABOR CATEGORIES & PRICING

<table>
<thead>
<tr>
<th>SIN(s)</th>
<th>Labor Title</th>
<th>GSA Price w/ IFF</th>
<th>Unit of Issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>541330EMI, 541420</td>
<td>Engineer</td>
<td>$125.29</td>
<td>HR</td>
</tr>
<tr>
<td>541420</td>
<td>Electrician**</td>
<td>$88.77</td>
<td>HR</td>
</tr>
<tr>
<td>541330EMI, 541420</td>
<td>Programmer</td>
<td>$69.02</td>
<td>HR</td>
</tr>
<tr>
<td>541420</td>
<td>Welder**</td>
<td>$52.22</td>
<td>HR</td>
</tr>
<tr>
<td>541420</td>
<td>Assembler**</td>
<td>$44.03</td>
<td>HR</td>
</tr>
<tr>
<td>541330EMI, 541420</td>
<td>Technician</td>
<td>$75.22</td>
<td>HR</td>
</tr>
</tbody>
</table>

SCA/SCLS Matrix

<table>
<thead>
<tr>
<th>SCLS Eligible Contract Labor Category/Fixed Price Service</th>
<th>SCLS Equivalent Code Title</th>
<th>WD Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrician</td>
<td>23160 - Electrician Maintenance</td>
<td>2015-4119</td>
</tr>
<tr>
<td>Welder</td>
<td>23960 - Welder Combination Maintenance</td>
<td>2015-4119</td>
</tr>
<tr>
<td>Assembler</td>
<td>21050 - Material Handling Laborer</td>
<td>2015-4119</td>
</tr>
</tbody>
</table>

The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (** in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).
### AWARDED LABOR CATEGORY DESCRIPTIONS

<table>
<thead>
<tr>
<th>Labor Title</th>
<th>Labor Description</th>
</tr>
</thead>
</table>
| Engineer    | Responisble for assisting other trades in their job functions if they need help. Applying skills in Microsoft Visio, Front Panel Express, SolidWorks 3D modeling, National Instruments LabVIEW and Microsoft Office software to perform assignments. Applies principles and techniques of mechanical or electrical engineering to accomplish goals. Responisble for piping and valve schematics for new installations. From customer specifications, will design detailed engineering solutions using valves, transducers and other instrumentation. Responisble for electrical op-amp design, shielding, cabling and grounding designs. Creates calibration procedures leveraging past documentation. Will assist electronics technician troubleshooting hardware problems. Responisble for creating operators, calibration and users manuals as required to follow our ISO standards. Monitors costs of the project an reports to the president on schedule. In addition our engineers also fill the roll of Project manager and are responsible for the day-to-day tactical duties for complex projects. They are also accountable to oversee results of different project teams. Responsible for the administrative/operational leadership of a project within the program guidelines set by the customer. Monitors the project to ensure work scope, schedule, and budget are well defined and maintained. Provides the coordination between resource managers/supervisors and ensures all necessary reviews and approvals are received. The project manager has the authority to take disciplin ary actions to assigned personnel and make hiring and termination recommendations to the Program Manager.  

**Minimum Education:** Bachelors  
**Minimum Experience:** 5 years  
**Applicable Training/Licensure:** None |
| Electrician** | Performs maintenance and service repairs on electrical systems. Installs new units or replacement parts for existing units according to specifications / schematics and established safety guidelines. Responisble for cable tray installation, AWG sizing per load, circuit breaker knowledge, motor overload and regen resistor knowledge, ability to drill and tap in metal, ladder usage with harness, wire number machine, TB labeling, put 3phase plugs on cables. Read technical diagrams and blueprints. Perform general electrical maintenance. Inspect transformers and circuit breakers and other electrical components. Troubleshoot electrical issues using appropriate of testing devices. Repair and replace equipment, electrical wiring, or fixtures. Follow National Electrical Code state and local building regulations. Responsible for operation and maintenance of security equipment, alarms and following lock-out tag out safety procedures.  

**Minimum Education:** High School  
**Minimum Experience:** 4 years  
**Applicable Training/Licensure:** CT License |
Programmer

Familiar with WIN10 operating system, use of drive storage devices, familiar with logging on to a system remotely, some travel will be required domestic and internationally. Ability to program LabVIEW software. Make decisions as to best architecture to use to solve the problem, provide flowchart showing methodology for management to review. Create software files unique to each project to load into the system automatically on power up to achieve turnkey operation. Provide logon screens with password protection. Provide coding to permit automatic and manual operation of the equipment based on operator input. Program the system to perform calibration of instruments and apply the cal values to the instruments read in. Write drivers for CAN bus and MODBUS communications to interface with external equipment. Extensive use of Microsoft Word and Excel packages. Follow internal procedures for backups of software and revision control.

**Minimum Education:** High School  
**Minimum Experience:** 1 year  
**Applicable Training/Licensure:** degree from a school after high school

Welder**

Will know how to setup and use welding equipment. Interpret blueprints, drawings, and measurements to plan layouts. Weld small and large components such as copper plumbing, beams, and pipelines. Use specialized machinery for industrial welding and oversee machines that perform the same job. Maintain and repair all machinery. Assess welded surfaces, structures and components to identify errors. Follow and enforce strict safety regulations such as wearing heat-resistant gloves, protective masks, and safety shoes. Monitor machinery for appropriate usage and temperature. Weld components in flat, vertical, and overhead positions.

**Minimum Education:** High School  
**Minimum Experience:** 3 years  
**Applicable Training/Licensure:** school certification/license

Assembler**

Use hand tools to make or repair parts and products. To include but not limited to wire strippers, wrenches, sockets, screwdrivers, allen wrenches, utility knives, heat gun, cable measuring device, awl and hammers. Interpret technical documents, such as diagrams, schematics, blueprints, or other verbal or written instructions. Work with other members of the line or group in order to assemble products. Keep a clean and tidy workspace. Meet all safety requirements of the company and industry. Identify any defective items and handle them according to established procedures. Ability to use reason to solve problems as they arise.

**Minimum Education:** High School  
**Minimum Experience:** 1 year  
**Applicable Training/Licensure:** None
<table>
<thead>
<tr>
<th>Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responsible for testing and troubleshooting our computer-based aircraft test equipment. Assists in the construction of harnesses and Assembly of circuit boards, and soldering through hole. Responsible for testing of circuit board operation using oscilloscopes, DVMs, function generators, frequency counters. Will be building and repairing 19 in rack chassis components, 1U to 12U in size, making design changes to aluminum panels using computer software called Front Panel Express, and will be making editing changes to Visio schematic package. Responsible for following calibration procedures to calibrate the equipment prior to shipment. Writing up reports, safety regulations, and preventative maintenance plans. Fabricating any components required. Running tests and interpreting results to make effective recommendations. Applies technical knowledge of electronics principles in determining equipment malfunctions, and applies skill in restoring equipment operation, evaluates performance of prototypes, and recommends changes in circuitry or installation specifications to simplify assembly and maintenance. Use creativity and accumulated knowledge to solve problems and suggest repairs in non-routine situations.</td>
</tr>
</tbody>
</table>

**Minimum Education:** High School  
**Minimum Experience:** 1 year  
**Applicable Training/Licensure:** degree from a trade school