Global Engineering Solutions (GES) is an engineering, program management, and construction management firm recognized as a leader in the planning, sustainable design, and implementation of technologically complex and energy efficient facilities for government, corporate, education, and healthcare clients.



Market Knowledge:

- Commercial
- Correctional
- Educational K thru 12
- Federal Government
- Healthcare
- Local Government
- Higher Education
- Historical Preservation
- Residential
- Research Laboratories
- Transportation

Engineering Services:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Fire Protection Engineering
- Energy Management Engineering
- Security Engineering
- Value Engineering
- Commissioning

Construction Management Services:

- Develop Performance Specifications
- Schedule and Monitor Progress
- Manage Quality Control
- Encourage Improved Methods and Materials
- Develop Commissioning Specifications

Small Business Certificates:
GES is certified by the following organizations:

- US Small Business Administration, (SBA)-8a, SDB, WOSB
- Maryland Department of Transportation (MDOT)-MBE/DBE
- Washington Metropolitan Area Transit Authority (WMATA)- DBE
- Metropolitan Washington Airports Authority (MWAA)-LDBE
- Washington Suburban Sanitary Commission (WSSC)-SLBE
- Prince George's County-MBE
- CBE Certified Contractor, Washington DC-LBE, SBE, DBE, DZE
- Commonwealth of Virginia-SWaM (SBE/WBE)



Sustainable and Energy Efficient Engineering

As an engineering firm, GES understands the enormous energy demands required to efficiently and effectively operate facilities in the 21st century. The GES team works to plan, design, build, manage, and maintain buildings that are environmentally responsible, profitable, and healthy places to live and work. GES also provides building energy modeling, energy and water audits and assessments, and full-building commissioning, re-commissioning and retro-commissioning services. GES has used various renewable energy sources within our projects, including solar, geothermal, bio-solids, and wind to name a few.

On Federal projects, we routinely strive to achieve a 30% energy savings over ANSI/ASHRAE/IESNA 90.1. We utilize the most up-to-date industry guidelines and standards for energy efficient design including:

- ANSI/ASHRAE/IESNA 90.1 (2007): Energy Standard for Buildings Except Low Rise Residential
- ASHRAE Standard 100.3 (2006): Energy Conservation in Existing Buildings
- ASHRAE Standard 100.5 (2006): Energy Conservation in Existing Buildings – Institutional
- ASHRAE Standard 100.6 (2006): Energy Conservation in Existing Buildings – Public Assembly
- EPA Energy Star Label
- LEED® and Green Globes
- DOE Energy Efficiency and Renewable Energy Guidelines
- NIST Advanced Energy Design Guide

Sustainable and energy efficient design principles and practices govern GES's work on any assigned task, from the earliest planning phases through construction completion and post-occupancy. Our team understands the decisions with the greatest impact on sustainability and energy efficiency are made early in the design process, before the design direction has been set. These decisions are then adhered to throughout the design and construction process.

GES is also adept at evaluating the life cycle, maintenance and operating costs of facilities. When doing so, it becomes clear that energy efficient, sustainable design can not only reduce the initial upfront costs but tremendously affect the operating cost for the life of the facility. Any costs associated with achieving LEED® can easily be recouped through efficient operations and maintenance.

Recent projects completed by Global Engineering Solutions and our personnel that incorporate energy efficiency and sustainable design principals include:

Multiple Projects, Department of Veterans Affairs, National Energy Business Center, Washington, DC

Under an existing term contract with the Department of Veterans Affairs, GES is tasked by the VA's National Energy Business Center to provide mechanical, electrical, plumbing and fire protection engineering services for the Veterans Affairs Medical Center in Washington, DC:

Campus-Wide Solar Panel Installation, National Institute of Standards and Technology (NIST), Gaithersburg, MD
Under an existing term contract, GES was tasked by NIST to provide comprehensive engineering services to develop options for expanding their existing system or developing an independent system capable of producing 500-600 kW of renewable power. GES studied the existing systems and load requirements at NIST to develop a variety of options. This study included a cost benefit analysis, a feasibility analysis, and an impact study for each option.

Physical Sciences Complex-Phase I & SCUB Expansion, University of Maryland, College Park, MD
GES is providing mechanical, electrical, and plumbing engineering services for a new 148,778 gsf state-of-the-art laboratory research facility, and expansion of an existing Satellite Central Utility Building Expansion (SCUB). GES developed two alternatives for the chilled water plant – a primary/secondary chilled water plant and a thermal energy storage facility which utilizes ice storage in a buried vault. GES developed a life cycle cost analysis for each scenario to assist the university with final selection of the system. The project is being designed to achieve LEED® Gold.

Upgrade of Central Utility Plant and Distribution System, National Institutes of Health, Research Triangle, NC
Development of a feasibility study for the upgrade of the Central Utility Plant by connecting the East and West plants as a single heating and cooling plant. The rated peak capacity of the plant is 19,000 tons consisting of two 2,500-ton and four 3,500-ton water cooled centrifugal chillers controlled and monitored by a variety of legacy systems. The study resulted in four recommendations to increase the reliability and operational flexibility of the production plant, hot water, chilled water, water, sewer, natural gas, distribution systems. The recommendations included physical changes, software programming changes and operational changes that would allow the two plants to function as one.

MEP System Study and Building 3 Chiller Replacement Project, Naval Surface Warfare Research Center, Carderock Division, Bethesda, MD
The Naval Surface Warfare Center engaged GES to assess the deficiencies in the mechanical systems in buildings 3, 15 and 18. The systems were old and obsolete and in need of replacement. The primary goal of the study was to develop a plan for the replacement of the systems within these buildings without interrupting ongoing operations. Upon the conclusion of the study, GES was asked to prepare the construction documents for the renovation of Building 3, which included complete replacement of the existing chillers.

GENERAL SERVICES ADMINISTRATION

Federal Acquisition 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 for – Facilities Maintenance and Management
Federal Supply Group: 03 FAC **Class:** N/A
Contract Number: GS-21F-0120Y
For more information on ordering from Federal Supply Schedules
click on the FSS Schedules button at http://www.gsa.gov/schedules-ordering
Contract Period: through June 14, 2017

Contractor: Global Engineering Solutions, Inc.
1355 Piccard Dr., Ste 260
Rockville, MD 20850 4334

Business Size: Small, Woman Owned Business

Telephone: (301) 216-2871
Extension:
FAX Number: (301) 216-9671
Web Site: www.theges.com
E-mail: lalehz@theges.com
Contract Administration: Laleh Zargarinejad

CUSTOMER INFORMATION:

1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers: 871-202, 871-206, 871-207, 871-211, 811-006

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.

1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.

2. Maximum Order: $1,000,000.00

(CUSTOMER INFORMATION: Continued)

3. Minimum Order: $100.00

4. Geographic Coverage (delivery Area): Domestic only

5. Point(s) of production (city, county, and state or foreign country): Same as company address

6. Discount from list prices or statement of net price: Government net prices (discounts already deducted). See Attachment.

7. Quantity discounts: 1% discount on individual task order exceeding $300,000. 2% discount on individual task order exceeding $450,000.

8. Prompt payment terms: Net 30 days. Prompt payment discount of 1% for 20 days.

9a. Notification that Government purchase cards are accepted up to the micro-purchase threshold: No

9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: No

10. Foreign items (list items by country of origin): None

11a. Time of Delivery (Contractor insert number of days): Specified on the Task Order

11b. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor

11c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor

11d. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery: Contact Contractor

12. F.O.B Points(s): Destination

13a. Ordering Address(es): Same as Contractor

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).

14. Payment address(es): Same as company address

15. Warranty provision.: Contractor's standard commercial warranty.

16. Export Packing Charges (if applicable): N/A

(CUSTOMER INFORMATION: Continued)

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): Contact Contractor

18. Terms and conditions of rental, maintenance, and repair (if applicable): N/A

19. Terms and conditions of installation (if applicable): N/A

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A

20a. Terms and conditions for any other services (if applicable): N/A

21. List of service and distribution points (if applicable): N/A

22. List of participating dealers (if applicable): N/A

23. Preventive maintenance (if applicable): N/A

24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: N/A

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor's website or other location.) The EIT standards can be found at: www.Section508.gov/.

25. Data Universal Numbering System (DUNS) number: 13-1043619

26. Notification regarding registration in Central Contractor Registration (CCR) database: Registered

03FAC / Facilities Maintenance and Management
Global Engineering Solutions - Contractor Site Rates

Labor Category	2012	2013	2014	2015	2016
Principal	$231.80	$ 237.92	$ 244.20	$ 250.65	$ 257.26
Program Manager	$193.78	$ 198.90	$ 204.15	$ 209.54	$ 215.07
Project Manager (Office Based)	$157.35	$ 161.50	$ 165.77	$ 170.14	$ 174.64
Sr Mechanical Engineer	$166.51	$ 170.91	$ 175.42	$ 180.05	$ 184.80
Mechanical Engineer	$115.74	$ 118.80	$ 121.93	$ 125.15	$ 128.45
Sr Electrical Engineer	$157.32	$ 161.47	$ 165.74	$ 170.11	$ 174.60
Electrical Engineer	$104.91	$ 107.68	$ 110.52	$ 113.44	$ 116.43
Senior Plumbing Engineer	$133.62	$ 137.15	$ 140.77	$ 144.48	$ 148.30
Plumbing Engineer	$107.36	$ 110.19	$ 113.10	$ 116.09	$ 119.15
Sr Fire Protection Engineer	$147.81	$ 151.71	$ 155.72	$ 159.83	$ 164.05
Fire Protection Engineer	$116.28	$ 119.35	$ 122.50	$ 125.73	$ 129.05
CADD Technician	$69.98	$ 71.83	$ 73.72	$ 75.67	$ 77.67
Administrative Assistant (Office)	$58.63	$ 60.18	$ 61.77	$ 63.40	$ 65.07

The rates shown above include the Industrial Funding Fee (IFF) of 0.75% and reflect an escalation rate of 2.64% for the base contract period (contract years 2 through 5) in accordance with EPA Clause I-FSS-969.

(CUSTOMER INFORMATION: Continued)

Service Contract Act (SCA) Matrix

SCA Matrix		
SCA Eligible Contract Labor Category	**SCA Equivalent Code Title**	**WD Number**
Administrative Assistant	01020 - Administrative Assistant	052103
CADD Technician	30062 - Drafter / CAD Operator	052103

The Service Contract Act (SCA) is applicable to this contract and it includes SCA applicable labor categories. The prices for the cited SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCA matrix and above. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.

(CUSTOMER INFORMATION: Continued)

Global Engineering Solutions, Inc

Labor Category Descriptions

Principal

The firm principal is responsible for ensuring the firm's ability to deliver the services required by the client in a timely and cost effective manner. The Principal retains authority to enter into contracts with clients and holds ultimate responsibility for the success of the project. The Principal may serve as a technical expert on selected projects. Holds a Bachelor's degree and is licensed in their discipline. Possesses 10 to 20 years experience including significant management experience

Program Manager

This senior level position possesses an in-depth understanding of mechanical, electrical, plumbing and fire protection engineering systems. The Program Manger has expert knowledge of building codes and state agency procedures. Primary duties include oversight of project from set-up through design, agency submission, bidding, construction and construction close-out. He/She is responsible for managing large and complex projects, and for supervising Project Managers on smaller projects. Fifteen years of experience is required for this position along with a B.Sc. or M.Sc. from an accredited university. Professional Engineering and LEED Accreditation are encouraged.

Project Manager

The Project Manager is responsible for day-to-day communication with the client and development of objectives, requirements and scope of projects. This position supervises the work of all staff professionals and technicians and is responsible for coordinating the project across all disciplines. The Project Manager requires eight years of experience and a B.Sc. from an accredited university. LEED Accreditation and Professional Engineering Certification is encouraged. The Project Manager must possess an in-depth knowledge of building codes and state agency procedures. A basic understanding of mechanical, electrical, plumbing and fire protection engineering systems is mandatory including laboratory, healthcare, educational and commercial facilities. This position must possess an understanding of the project phases from set-up through design, agency submission, bidding, construction and construction close-out.

Senior Mechanical Engineer

This position is responsible for leading the team in exploration of subject area and investigation of engineering concepts and development of engineering approaches. Possessing a minimum of 15 years experience, the Senior Mechanical Engineer is a Licensed Engineer with a B.Sc. or M.Sc. from an accredited university. Experience with laboratory, healthcare, educational and commercial facilities is required. LEED Accreditation is encouraged.

(CUSTOMER INFORMATION: Continued)

Mechanical Engineer

This position is responsible for leading the team in exploration of subject area and investigation of engineering concepts and development of engineering approaches. The Mechanical Engineer has 8+ years of experience with a B.Sc. from an accredited university. EIT is required and PE is preferred. This position requires extensive experience with AutoCADD and BIM. Experience with laboratory, healthcare, educational and commercial facilities is required. LEED Accreditation is encouraged.

Senior Electrical Engineer

The Senior Electrical Engineer directs and coordinates the design and engineering activities for specific projects. Possessing a minimum of 15 years experience, the Senior Electrical Engineer is a Licensed Engineer with a B.Sc. or M.Sc. from an accredited university. Experience with laboratory, healthcare, educational and commercial facilities is required. LEED Accreditation is encouraged.

Electrical Engineer

This position is responsible for leading the team in exploration of subject area and investigation of engineering concepts and development of engineering approaches. The Electrical Engineer has 8+ years of experience with a B.Sc. from an accredited university. EIT is required and PE is preferred. This position requires extensive experience with AutoCADD and BIM. Experience with laboratory, healthcare, educational and commercial facilities is required. LEED Accreditation is encouraged.

Senior Fire Protection Engineer

The Senior Fire Protection Engineer directs and coordinates the design and engineering activities for specific projects. Possessing a minimum of 15 years experience, the Senior Fire Protection Engineer is a Licensed Engineer with a B.Sc. or M.Sc. from an accredited university. Extensive knowledge of designing fire alarms and fire suppression systems is mandatory. Experience with laboratory, healthcare, educational and commercial facilities is required. LEED Accreditation is encouraged.

Fire Protection Engineer

The Fire Protection Engineer has 8+ years of experience with a B.Sc. from an accredited university. EIT is required and PE is preferred. This position requires extensive experience with AutoCADD and BIM. Knowledge of fire alarm design and fire suppression systems is essential. Experience with laboratory, healthcare, educational and commercial facilities is required. LEED Accreditation is encouraged.

CADD Technician

The CADD Technician performs AutoCAD tasks such as drawing preparation, application of drafting techniques, symbols and drawing standards particular to a specific trade. This position will utilize CAD equipment to carry out drafting job functions (AutoCAD) and will perform design tasks related to specific disciplines (HVAC systems, electrical systems, lighting or plumbing designs). The CADD Technician will possess an Associates Degree and 3 years experience.

(CUSTOMER INFORMATION: Continued)

Administrative Assistant

This administrative assistant works with all departments to assist the Project Manager in meeting deadlines. This position will maintain the project related files and perform word processing. They will track, log, and file project RFI's and log and distribute project field visit reports. A High School Diploma is required and 1 year of business experience.

Senior Construction Manager

The Senior Construction Manager directs and coordinates the construction activities for specific projects. The Senior Construction Manager has 15+ years of experience and a Bachelor or Master's Degree in the area of construction management, engineering or architecture is vital. A CCM or PMP is required and a LEED Accreditation is encouraged. This position requires extensive knowledge of government contracting and Federal Acquisition Regulations (FAR). Experience with laboratory, healthcare and commercial facilities is required.

Construction Manager

The Construction Manager possesses a Bachelor's Degree in the area of construction management, engineering or architecture along with 5 years of experience. A CCM or PMP is encouraged along with LEED Accreditation. Experience with laboratory, healthcare and commercial facilities is required along with experience dealing with government contracts and Federal Acquisition Regulations.

General Inspector

The General Inspector is responsible for overseeing and managing the day-to-day operations of the site project staff, including inspectors, schedulers and administrative staff. He/She is responsible for monitoring the work for compliance with budget and schedule. They provide technical oversight to other Inspectors. They will have a minimum of eight years experience, and hold a Bachelor's degree from an accredited university.

Mechanical Inspector

The Mechanical Inspector is responsible for inspecting all mechanical work for compliance with contract documents and building codes and standards. Meets with contractors and builders to discuss planning and work already performed. They will have a minimum of five years relevant experience and hold a Bachelor's degree from an accredited university.

Electrical Inspector

The Electrical Inspector is responsible for inspecting all electrical work for compliance with contract documents and building codes and standards. He/She will meet with contractors and builders to discuss planning and work already performed. They will have a minimum of five years relevant experience and hold a Bachelor's degree from an accredited university.

Fire Protection Inspector

The Fire Protection Inspector is responsible for inspecting all fire protection/suppression systems work for compliance with contract documents and building codes and standards. They will meet with contractors and builders to discuss planning and work already performed. He/She will have a minimum of five years relevant experience and hold a Bachelor's degree from an accredited university.

(CUSTOMER INFORMATION: Continued)

Claims Analyst

The Claims Analyst is responsible for the preparation and evaluation of claims. They will conduct an analysis of design errors and omissions, lost productivity, and schedule delays to aid in assessing damages. He/she makes recommendations based on findings. They will hold a Bachelor's degree and possess a minimum of six years construction experience.

Senior Scheduler

The Senior Scheduler is responsible for developing and maintaining the master schedule on behalf of the owner. They coordinate schedules from individual subcontractors, crafts and trades people. He/she provides timely notification of issues that would affect the project delivery date. They hold a Bachelor's degree and have a minimum of five years construction experience.

Senior Estimator

The Senior Estimator is responsible for reviewing and monitoring the development of estimates on behalf of the owner. They prepare Independent Government Estimates, provide input on long lead, labor shortages and other issues that could affect cost of the project. He/She will participate in change order management and negotiation discussions. They hold a Bachelor's degree and have a minimum of five years construction experience.

Document Control Technician

The Document Control Technician is responsible for maintaining complete and accurate files of all documents relating to the project including construction documents, including RFIs, change orders, reports, etc. They possess an Associates degree and a minimum of three years experience.

Administrative Assistant (on-site)

This administrative assistant works with all departments to assist the Project Manager in meeting deadlines, in addition, the on-site assistant must have receptionist skills. This position will maintain the project related files and perform word processing, greet visitors to the job site and arrange meetings. They will track, log, and file project RFI's and log and distribute project field visit reports. A High School Diploma is required and 1 year of business experience.