



ABOUT US

- Expertise in Earth science, algorithm development, remote sensing, and data archival
- Exceptional CPAR ratings and past performance with federal clients, including high D&B ratings
- 200 employees with over \$50M in annual revenue
- ISO 9001:2015 certified
- CMMI/DEV 2 certified
- DCAA Accounting System
- NASA Goddard Space Flight Center (GSFC) Contractor Excellence Award for Small Business Services
- Corporate Quality Assurance Monitoring
- Significant Line of Credit

GST is a mature, financially sound business focused on science research, engineering, and IT services work. For over 27 years, we have been developing and delivering world-class, high-technology solutions to meet customers' mission-critical needs.

GST is a trusted partner with NOAA and NASA and has unique experience in bridging the gap between government and commercial applications, including our Commercial Weather Group and our newly formed GST Medical Division.

GST MEDICAL DIVISON

- Expertise in Medical Device Consulting Services
- Engineering Testing Services (ISO 13485-2016-certified laboratory)

OUR CAPABILITIES AND PRODUCTS

Scientific Visualization

- Deliver NASA science face-to-face to the world at science conferences and public events using GST-developed software and hardware to facilitate a seamless wall of video displays (Hyperwall shown below) that presents and allows the manipulation of very large high-resolution science images and videos



- Create world-class visualizations of scientifically meaningful content from observational and model data for broadcast and print media, the web, conferences, museums, and planetariums

Enterprise Data Systems

- Provided system and software design, development, engineering, test, integration, project management, quality assurance, and earned value management (EVM) for CLASS, NOAA's enterprise-level archive for weather, climate, and environmental data
- Developed NASA's Earth Observing System (EOS) Clearing House (ECHO), a high-performance, high-quality, continuously evolving metadata system that catalogs all data and service metadata records for the EOSDIS system
- Developed NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES), a highly secure and robust web services interface for managing the submission, control, review, and appraisal of proposals from the scientific community

Earth Science Applications

- Provide satellite mission concept
- Provide sensor development
- Provide instrument calibration/validation
- Provide data downlink, data capture, data storage, preprocessing, and data analysis
- Extract information based on discipline-specific expertise in the Earth science arenas

Sensor Engineering

- Support GSFC Detector Characterization Laboratory
- Install, integrate, and test cryogenic imaging sensor array detectors for sub-orbital and spaceflight sensor missions
 - Develop and test airborne and space-based linear-mode near-infrared avalanche photodiode detectors for lidar applications
 - Develop software and ground support equipment control of planetary spaceflight mission mass spectrometer and gas chromatograph instrumentation
 - Provide ground support software for integration, testing, calibration, modeling, and simulation of thermal infrared sensors for Landsat spacecraft

Cloud Computing Solutions

- Provide near-real-time data processing solutions for rapid processing of environmental data

Commercial Weather Applications

- DirectMet®2, a commercial satellite ground system that provides low-cost customized satellite imagery and derived satellite products from GOES-R series and other satellites
- DirectMet®2 Cloud™, a cloud-based delivery system of finished satellite imagery and derived products from the GOES-R series satellites
- WAFS-METLAB2™, a meteorological workstation that integrates worldwide meteorological data with a focus on multi-window displays, alerts, and customized macro overlays
- BriefNet™, an automatic production system added to WAFS-METLAB2™, which has a web-based interface for weather briefings and flight documentation
- Switchboard™, a meteorological data and message handling system

Consulting

- Offer quick-turnaround staff augmentation and subject matter expertise in a wide array of technical areas

State IT Program

- Provide comprehensive IT, network, and cybersecurity services for West Virginia counties and state agencies, including higher education

[Read more about GST](#) ►

FEDERAL PAST PERFORMANCE



Scientific and Technical Support Services Next Generation Indefinite Delivery/Indefinite Quantity (Sci-Tech NG IDIQ) Task Order Contracts:

- NESDIS National Centers for Environmental Information (NCEI) Center Support
- Ocean Science and Technology Applications (OSTA) for NOAA Satellite Oceanography and Climatology Division
- NOAA/NASA Joint Polar Satellite System (JPSS) for NOAA
- NOAA STAR Sensor Science and Cross-Cutting Technology (Sensor)

Comprehensive Large Array-data Stewardship System (CLASS) (completed 2017)

NWS National Mesonet (completed 2017)

Great Lakes Environmental Research Laboratory (GLERL) Synthesis, Observations, and Response (SOAR) Project (completed 2017)

Regional Impact Assessment of Derelict Fishing Gear in the Chesapeake Bay for NOAA's Marine Debris Program (Office of Response and Restoration, National Ocean Service) (completed 2016)

NCEI Climate Data Records (CDR) Program Support (completed 2014)



GSFC Hydrospheric and Biospheric Sciences (HBS) Support Contract

HQ Research and Education Support Services (NRESS)

GSFC Science Communication and Visualization

GSFC Direct Readout Lab/Detector Characterization Lab

COMMERCIAL SYSTEMS AND PRODUCTS



DirectMet®2: A low-cost, compact, and powerful satellite data processing system

DirectMet®2 Cloud™: Delivery of satellite netCDF4 data and/or finished product to your operations



WAFS-METLAB2™: Meteorological workstation that integrates international weather data and imagery

BriefNet™: Automatic production of charts and finished products from WAFS-METLAB2™; web briefing

Switchboard™: A handling and processing system that distributes meteorological and other data

NAICS CODES

Primary:

541715 Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology) previously 541712

Secondary:

519130; 541330; 541380; 541490; 541511; 541512; 541513; 541519; 541611; 541612; 541614; 541618; 541690; 541990; 561210

Small disadvantaged business established in 1991

CONTRACT VEHICLES

NOAA ProTech Satellite Domain IDIQ

Prime Contract Number: ST-1330-17-CQ-0050

GSA PSS (Professional Services Schedule)

Contract Number: GS-23F-0050L

GSA Schedule 66 (Scientific Equipment and Services)

Contract Number: 47QSWA18D00AM

GSA One Acquisition Solution for Integrated Services - SB (Small Business) OASIS-SB

Contract Number: GS00Q14OADS413

Contact GST:

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