



Global Science & Technology, Inc. (GST)

NOAA SCI-TECH NG TEAM

GST is a company selected by NOAA to provide science and technology support services to NOAA line offices. Our team includes Science Applications International Corporation (SAIC); Oceaneering International, Inc. (OI); Ocean Associates, Inc. (OAI); ReefSense Pty Ltd.; SP Systems (SPS); International Computer Systems, Inc. (ICS); Data Solutions & Technology Incorporated (DST); and an extensive network of internationally renowned consultants and universities. Our team offers in-depth capabilities and experience across the entire spectrum of NOAA's science, engineering, and technical needs.

Partnering for Success

Team Capabilities

Program Management

- Project planning
- Organization and staffing
- Risk analysis and mitigation
- Earned value management
- Monitoring and reporting
- Quality assurance (ISO 9001:2008)

Satellite, Data, and Information Support

- Enterprise architecture
- Full system development life-cycle
- Management and operations
- Algorithm development
- CMMI Level 3

Weather Service Support

- Aviation weather services and product integration
- Mesoscale data integration
- Development of advanced systems architectures
- Science and technology infusion
- Integration of in situ and remote sensing observing systems
- Assimilation and integration of data and models

Oceanic and Atmospheric Service Support

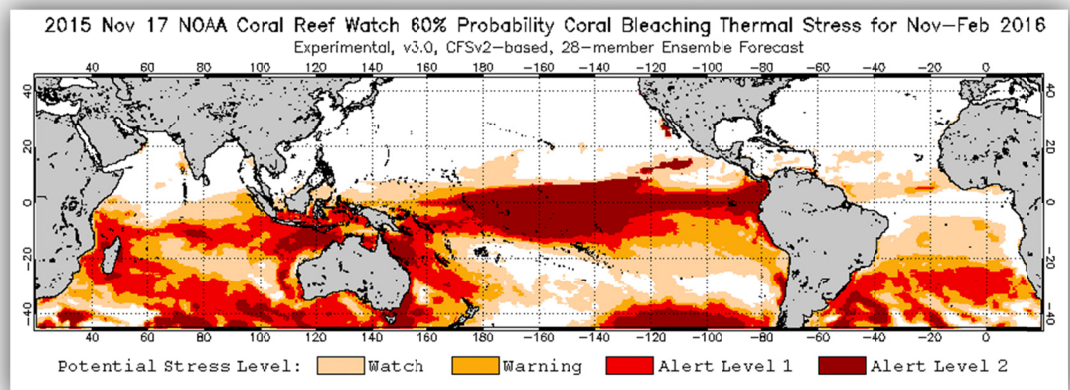
- Earth systems model development
- Hurricane prediction and model development
- Climate change variability assessment
- Space weather modeling and prediction
- Atmospheric chemistry and aerosols

Ocean Service Support

- Satellite Ocean Altimetry
- Ocean Color
- Sea Surface Temperature
- Mapping and charting
- Coral Reef Watch
- In situ ocean observations

Marine Fisheries Support

- Commercial and recreational fisheries
- Fisheries and protected species research, conservation, and management
- Climate change impacts on freshwater and marine ecosystems and fisheries
- Planning and evaluation of environmental remediation
- Research vessels and facilities
- Aquaculture - freshwater and marine issues in aquatic ecosystems



Probability of Coral Reef Bleaching



GLOBAL SCIENCE & TECHNOLOGY, INC.

Sci-Tech NG Contacts:

GST Program Management Office

Dr. Samir Chettri
7855 Walker Drive, Suite 200
Greenbelt, MD 20770
Tel: (301) 957-5891
E-mail: Samir.Chettri@gst.com

NOAA Contracting Officer

Mr. Thomas F. Fout
Branch Chief
Satellite Programs Acquisition Division
Tel: (301) 713-3478 x175
E-mail: thomas.f.fout@noaa.com



Since its formation in 1991, **Global Science & Technology, Inc. (GST)** has built a strong corporate culture around integrity, creativity, and loyalty. Our employees include a mix of scientists, technologists, managers, and supporting staff who bring passion, insight, and experience in the fields of science, engineering, IT, and technical support to worldwide government and industry clients. From projects such as the NOAA NESDIS Comprehensive Large Array-data Stewardship System (CLASS) and the National Climatic Data Center (NCDC) Climate Data Records (CDR) program to supporting the National Weather Service (NWS) on the National Mesonet Pilot Project (NMPP) and the Mobile Platform Environmental Data (MoPED) program, GST is committed to technical excellence and customer satisfaction.



Science Applications International Corporation (SAIC) brings breadth, depth, and quality of science experience. SAIC is a FORTUNE 500® scientific, technology, and applications company. Its approximately 45,000 employees and facilities worldwide will enable the GST team to address NOAA's needs across the nation and internationally.



Oceaneering International Inc. (OII) has extensive marine operations experience to support NOAA's coastal and deep ocean research needs. The company brings to the GST team state-of-the-art deep-ocean exploration, archaeological support, search and recovery, bathymetry, sub-sea vehicle/platform technology advancement, and science mission support capability. OII operates the world's largest fleet of remotely operated vehicles (ROVs), supporting a full spectrum of inspection, scientific research, archaeological, and search and recovery needs at depths of up to 6,000 meters.



Ocean Associates Inc. (OAI) brings extensive experience in all National Marine Fisheries Service (NMFS) mandates in fisheries and protected resources and habitat research and management. OAI provides primary or secondary support to several NMFS centers, HQ, and regional offices. OAI senior associates have been NMFS managers, while OAI personnel have experience in all aspects of the NMFS mission from biology and economics to engineering and anthropology.



ReefSense Pty Ltd. provides expertise in the field of tropical marine remote sensing and oceanography stretching back to 1987. The breadth of experience is large, including most aspects of environmental remote sensing and hydrodynamic modeling. Collectively, staff also has extensive field experience in the use of in situ remote sensing and oceanographic instruments. ReefSense Pty Ltd. has been supporting the NOAA Coral Reef Watch (CRW) program since 2006.



SP Systems (SPS) is a Maryland-based, SBA-certified, small disadvantaged business founded in 1999 to provide scientific, programmatic, technical, and IT support services to the federal government. SPS currently has staff with a broad range of information technology services, systems administration, programmatic, engineering, science, and related services to NASA, NOAA, GSA, and the Department of the Army. SPS possesses a top-secret facility clearance and has a DCAA-approved cost accounting system. SPS was selected as Goddard Space Flight Center's 2008 Small Business Prime Contractor of the Year. SPS is ISO 9001:2008 registered and CMMI Level 2 certified.



International Computer Systems, Inc. (ICS) is an SBA-certified 8(a)/SDB with over seven years of experience providing systems engineering, system design, integration and testing, and operations and maintenance support services to NASA GSFC. ICS personnel developed system specifications and preliminary design of the Landsat Data Continuity Mission (LDCM) data buy system and supported the implementation of the Terra/Aqua MODIS data processing system for NASA GSFC. ICS personnel also supported the NOAA GOES mission in the past.



Data Solutions & Technology Incorporated (DST) is a small woman-owned/veteran-owned business under the NAICS Code 541712. DST has more than 10 years of experience working within NOAA. DST is ISO 9001:2008 certified and CMMI-SVC Maturity Level 3 appraised and has top-secret facility clearance.

Partnering Universities

- Duke University
- George Mason University
- George Washington University
- Georgia Institute of Technology
- Georgia Tech University
- Howard University
- Johns Hopkins University
- Kansas State
- Pennsylvania State University
- Purdue University
- Rutgers
- Texas Tech University
- University of Alabama
- University of Alabama, Huntsville
- University of California at San Diego
- University of California at Santa Barbara
- University of Delaware
- University of Florida
- University of Georgia
- University of Illinois
- University of Maryland, Baltimore County
- University of Maryland, College Park
- University of Michigan
- University of New Hampshire
- University of Oklahoma
- University of South Alabama
- University of South Florida
- University of Virginia
- Virginia Tech University

Consultants

- Dr. Rachel Pinker, University of Maryland, College Park
- Curtis Barrett, Hydrologist, End-to-End Early Warning Systems
- Dr. Michael King, University of Colorado, Laboratory for Atmospheric and Space Physics
- Dr. Janet Campbell, Earth, Oceans and Space Group, University of New Hampshire
- Dr. Samuel N. Goward, Professor of Geography, University of Maryland
- Dr. Carlos Del-Castillo, Johns Hopkins University Applied Physics Laboratory
- Dr. Ove Hoegh-Guldberg, the ARC Centre of Excellence, University of Queensland
- Dr. Andy Hooten, AJH Environmental Services, Bethesda, MD
- Dr. Forrest Hall, University of Maryland, Baltimore County
- William F. Townsend, Townsend Aerospace Consulting, LLC
- Joe Rothenberg, Consultant
- Dr. Linwood Pendleton, Director, Ocean and Coastal Policy, Duke University
- Ed Roy, Roy Associates, Forecaster, Gulf of Mexico Energy and Fishing Industries
- Dr. Art Trembanis, College of Marine and Earth Studies, University of Delaware
- Dr. Bryant Cramer, Consultant
- Dr. Alan Strong, Strong Research Inc., Stevensville, MD