

NOAA Awards and Recognition

CSS has been recognized by NOAA for excellence and for contributions to award-winning projects, including 2016 and 2013 Team Member of the Year Awards, 2016 NOAA Special Achievement Award, 2016 Safety Pro Award, 2015 NOAA Administrator's Award, 2014 NOS Bronze Medal Award, 2014 Peer Recognition "Rafting" Award, 2014 NOS Assistant Administrator Commendation, 2013 ESRI Special Achievement Award, and others.



Company Overview

CSS is a full-service science and technology company based in Fairfax, Virginia, with an additional 11 offices across the country. A 100% employee-owned small business with a 30-year history of successful federal contract support, our 250 employees are engaged in solving complex problems for clients and delivering results on time and within budget. We excel at developing project teams that integrate strong project managers, highly skilled employees, and carefully selected subcontractors and subject matter experts.

Our scientific and technical support to NOAA began in 2002 and today we have more than 100 scientists and professional staff working closely with the NOAA to assist the agency in providing timely access to global environmental data. We have a proven track record of delivering quality staff, products, and tools to support NOAA's environmental intelligence requirements. Our Satellite Domain Services include:

Studies, Analyses, and Reports

- Modeling and simulation analysis of satellite systems
- Investment strategies for operational and research observing systems
- Data architecture, data storage, data stewardship, data processing, and data dissemination capabilities
- Technology transition planning, technology assessments, reviews, and evaluations
- Strategic planning, policy analyses, trade studies, and economic assessments
- Concept and requirements definition and design
- Systems engineering, fabrication, assembly, integration, testing, delivery, field operation, quality analysis, maintenance, and repair for hardware and associated software
- Stakeholder engagement and exchange

Applied Research and Consulting

- Scientific, engineering, and technical expertise to conduct applied research and perform analyses
- Ground engineering verification and validation activities
- Design and development of state-of-the-science ecological predictive models
- Science for operational and planned space-based instrumentation and sensor characterization
- Development and operation of custom satellite processing systems
- Development of automated systems to manage remote sensing data retrieval from multiple satellite sources and portals
- Integrating algorithms into software tools for environmental analysis and forecasting
- Design of oceanographic and hydrodynamic models, tools, and products for oceans and coastal zone information.

"CSS consistently manages to find and retain the best scientists in their field, many of whom have eventually joined the federal workforce; all of whom have worked as an integrated team to advance innovations and leadership to meet NOAA's mission."

NOAA Program Director
February 2017

National Oceanic and Atmospheric Administration (NOAA)

We provide an interdisciplinary staff of 85+ professionals on-site at NOAA who are actively involved in developing innovative geospatial products and conducting a wide spectrum environmental studies, applied research, field sampling, project management, and capacity building to help managers and policy makers conserve and manage coastal and ocean ecosystems and resources. Major program areas include:

- Design and development of state-of-the-science ecological predictive models
- Development and daily operation of custom satellite processing system to generate a suite of water quality and harmful algal bloom detection products
- Development of automated systems to manage remote sensing data retrieval from multiple satellite sources and portals to facilitate easier integration into marine species modeling projects
- Integrating algorithms into software tools for environmental analysis and forecasting
- Design of oceanographic and hydrodynamic models to create products, tools, and guidance that meet user needs for oceans and coastal zone information.
- Seafloor mapping and charting and habitat mapping
- Design and implementation of field sampling programs and collection of field data by SCUBA, ships, aircraft, and remote sensing

Data Collection and Surveys

- Scientific and technical services for the development and implementation ocean remote sensing programs
- Scientific and technical services to collect and analyze in situ observations through direct field observation
- Create products, tools, and interpretive guidance that meet user needs for oceans, Arctic, and coastal zone information
- Use satellite data to improve analysis, forecasts, and warnings
- Scientific and technical services on the use of satellites and satellite data to improve analysis, forecasts, and warnings for global, regional, and mesoscale events
- Operate and maintain applications, datasets and products, and scientific databases
- Data quality assurance and quality control, data preservation and stewardship
- Subject matter expertise in the physical, natural, and social sciences

Program and Project Management

- Program planning and management for NOAA locations
- Scientific assessments and information to inform management decisions and enhance public education
- Development of program baselines for performance, schedule, and cost, and evaluation
- Development of work breakdown structures, and planning and defining systems
- Risk assessments and mitigation, cost/risk analyses, and risk management planning
- Systems requirements analysis, documentation, traceability, validation and management
- Strategic program planning, budgeting, and policy analysis support
- Technology transfer and transition services
- Draft communications, technical presentations and background papers, talking points, and briefing papers
- Flight and ground safety test and evaluation
- Preliminary design reviews, critical design reviews, science readiness reviews, science verification tests, and real-time mission support.

For More Information Contact:

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