

Science and Technology Corporation

Science and Technology Corporation (STC) is an innovative, private company founded by Dr. Adarsh Deepak in 1979. Our highly qualified staff provides scientific and technical support services to the U.S. Government (NASA, NOAA, DoD and other agencies), industry, and international organizations at 20 locations across the United States and in Europe.

STC is a leader in numerous aspects of atmospheric sciences and related remote sensing research, to include:

- IR and UV center of expertise in remote sounding of the atmosphere
- Meteorological satellite data processing and analysis
- Modeling and analysis of clouds, aerosols, ozone, and atmospheric gases
- Radiation propagation studies
- Global and mesoscale model impact studies, assessment of commercial satellite data use and assimilation.
- Aerospace systems engineering

In addition, we have a distinguished record of providing superb management support for Earth science program activities. Current/recent atmospheric science support activities include:

- NOAA's Office of Oceanic and Atmospheric Research (OAR)
- National Environmental Satellite Data and Information Service (NESDIS) including JPSS, GOES-R, OPPIA, and NCEI
- National Weather Service (NWS)
- Office of the Federal Coordinator for Meteorology (OFCM)
- International Global Energy and Water Cycle Experiment (GEWEX) Project Office

Beyond our strength in atmospheric sciences, STC has several other scientific and technical capabilities of excellence, to include:

- Commercial remote sensing application development including big data analytics
- Independent evaluation, verification, and assessment activities for commercial concerns
- Multidisciplinary scientific software development, to include High-Performance Computing (HPC)
- Instrument systems design, development, fabrication, implementation, and calibration for ground, satellite, airborne, and ship platforms
- Computational Fluid/Structural Dynamics (CFD/CSD) modeling for advanced rotorcraft and NASA spacecraft
- Polar and cold regions technology applications
- Aircraft simulation and modeling in addition to general engineering at NASA LARC
- Electronic, mechanical, composite, and machining fabrication of NASA flight-certified and ground support equipment and test articles
- Chemical and biological demilitarization, monitoring, and laboratory activities
- Developmental and operational testing and evaluation
- Small satellite design, development and fabrication