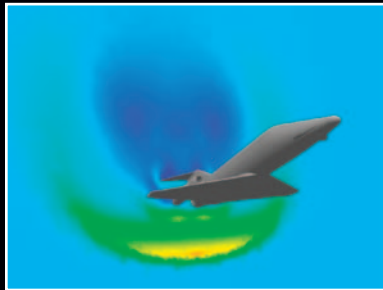


Engineering Services

Wind Tunnel Services

Information Technology

Application Software



Aerospace and Information Technologies

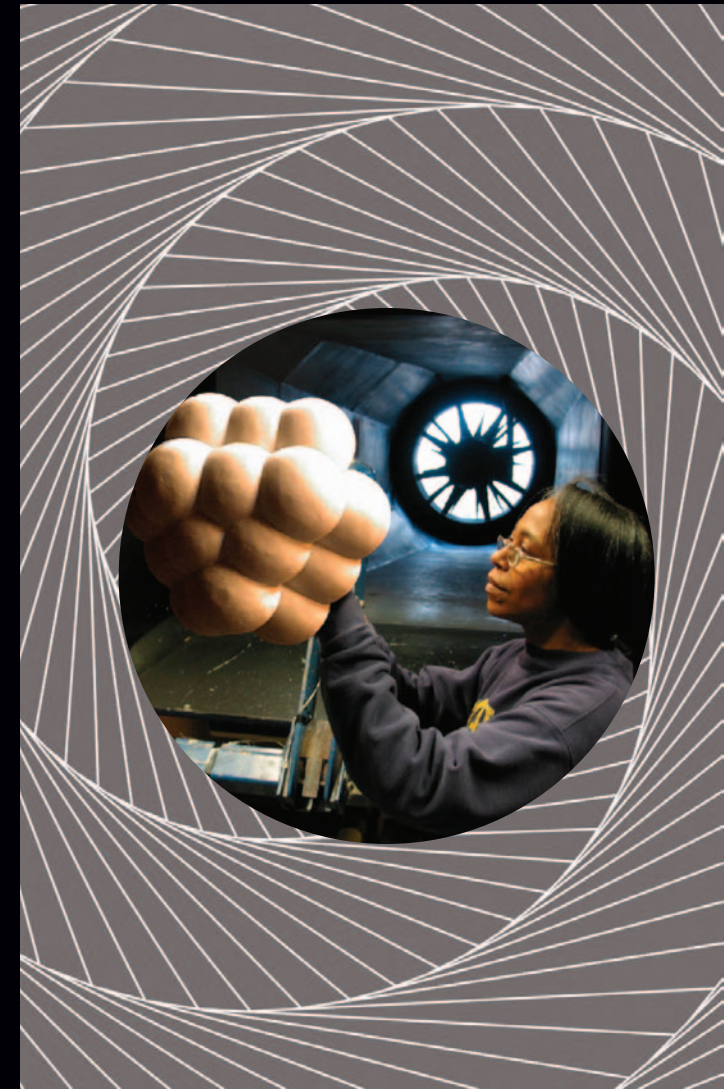
Authorized NAICS Codes:

54133, 54171, 54138, 61171, 541511,
54121, 44312, and 541511

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Aerospace and Information Technologies

ViGYAN, Inc. was established in 1979 in Hampton, Virginia to provide aerospace research and development services to the NASA Langley Research Center (LaRC). Our business areas now include aeronautics R&D; scientific, engineering, and business software development; educational support services; and computer technology support. We are an SBA-certified minority-owned, small disadvantaged business (SDB). ViGYAN was the NASA 1987 Minority Contractor of the Year. Our customers include other NASA centers and Federal civilian agencies, DoD, and corporate clients.

Aerospace R&D: ViGYAN supports work at LaRC through the Technical, Engineering, and Aerospace Mission Support (TEAMS) contract. This contract involves wind tunnel test support; computational fluid dynamics (CFD); spaceflight systems design and analysis; wind tunnel test techniques and data quality; video documentation and signal processing; aircraft model flight testing, tracking, telemetry, and control systems; flight control systems and flight simulation; computer control and data acquisition systems; aviation weather; and computer-based database applications for test data storage, analysis and retrieval. ViGYAN developed and commercialized the Pilot Weather Advisor (PWA), a system for sending graphical weather data to aircraft cockpits via satellite. This project was a co-winner of a NASA Office of Aerospace Technology award as part of the Aviation Weather Information and Communications Research Team and also won a 2003 R&D100 award. PWA is now owned and marketed by WSI Corporation as WSI InFlight.

Wind Tunnel: ViGYAN operations include the ViGYAN Wind Tunnel. This facility supports a range of subsonic testing activities as well as test technique development projects. A LabVIEW-based data system provides real-time data reduction and automated control of tunnel and model support systems. Other wind tunnel activities include data acquisition system products as well as testing support for the Old Dominion University Langley Full Scale Tunnel (LFST). Recent activities also include the development of a wind tunnel balance vibration reduction system under an Air Force SBIR.



Marketing Services: ViGYAN supports business development programs at LaRC. This includes managing the Navigation Center; collateral development, video project management, and exhibiting services.



NASA Engineering Safety Center: ViGYAN provides subject matter experts for the NASA Engineering Safety Center Academy.

Information Technology: ViGYAN does software development projects ranging from database systems to high-end data acquisition and hardware-in-the-loop test systems for spacecraft. ViGYAN also provides e-commerce and business software systems products and services. We also offer training and support for the VGRID unstructured grid generation software (a component of Tetris, the 1996 and 2004 NASA Software of the Year).

ViGYAN offers a complete range of computer maintenance and repair services including network design, installation, and support as well as system administration for desktop and high-end workstations and servers. We also provide website development and hosting services.