The Northrop Grumman New York Solutions Center (NYSC), located in Brooklyn, N.Y., is a world-class technology demonstration center that combines innovative applications for federal, state, local, and international governments and a live laboratory environment where solutions can be developed, tested and deployed. The NYSC is designed to be a sandbox for proof-of-concept development and a demonstration center of excellence focused on secure mobility capabilities and command and control applications. The NYSC is managed by the Public Safety Solutions team.

Solutions highlighted in the 2,100 square foot facility include integrated situational awareness, geospatial analysis, video surveillance and enterprise management, mobile voice and data communications, identity management, transportation and port security, and critical infrastructure protection. These solutions are supported with a state-of-the-art video display wall, advanced video conferencing, cross-sector and partner resources, and collaboration and workbench space.

The NYSC leverages the technology used by the New York City Wireless Network (NYCWiN), built and operated by Northrop Grumman for the City of New York under a contract first awarded in 2006. NYCWiN is the nation’s most comprehensive, high-performance mobile broadband network dedicated to municipal operations that provides next-generation public safety infrastructure throughout New York City’s five boroughs. The NYSC offers access to NYCWiN wireless applications and services for demonstrations as well as connectivity to the Northrop Grumman Global Network; the Transformational Research, Integration and Development network; and the Command and Control Development Network.

The NYSC supports strategic pursuits, such as the FirstNet campaign, an effort to shape the market and capture new business related to the upcoming national broadband public safety network being launched by the U.S. Department of Commerce under authorization from Congress. The NYSC also works closely with the Center for Innovative Solutions located at the Northrop Grumman Information Systems headquarters in McLean, Virginia to collaborate on content exchange in support of joint customer demonstrations.

Cross-sector independent research and development projects are vigorously supported by the NYSC as well. The NYSC leverages domain expertise across the company to create comprehensive solutions in support of critical infrastructure protection and public safety markets.
Features

- State of the art video wall and enhanced AV functionality
- Advanced video teleconferencing
- Collaboration room - workbench / workspace availability
- Cross-sector applications to demonstrate integration expertise
- Integration of third party partner capabilities
- Connectivity to NYCWiN, TRIAD, C2F DevNet, NGGN, Internet, commercial carriers
- Access applications, sensors, video, and data from remote Northrop Grumman locations across the U.S.
- Vehicle for mobile application demonstrations
- 3-D printer and modeling software

Capabilities

The NYSC leverages NYCWiN to showcase capabilities in an operational, deployed, city-wide environment or as stand-alone demos, such as:

- Interoperable Video Systems
- Wireless modems
- AVL - Automated Vehicle Location
- Video-on-the-move real time streaming
- License plate reading
- Wireless VOIP Field Phones and Emergency Call Boxes
- Wireless Traffic Light Controllers
- Wireless Radiation Detection
- Wireless Water Meter Readers

Facilities

- Handheld computing devices
- Medical field based data reporting
- BioTRAC handheld biometric device
- Northrop Grumman LinX - Law Enforcement Exchange
- Northrop Grumman Command-Point Computer-Aided Dispatch suite of products
- 4 virtual machine servers – each having greater than 2TB of storage capacity
- 2 physical servers – each having 300 GB of storage capacity
- HP workstations with Windows 7
- Laptop and toughbook machines
- 10 LCD 48” display monitors
- Mitsubishi 40896 X 1536 video display wall
- Advanced 720p HD Tandberg (Cisco) videoconferencing system
- High definition, 270-degree, roof-mounted power-zoom camera
- Multiple PTZ IP and analog cameras
- 3 TouchTables from Applied Minds for command and control collaboration
- Vehicle for mobile demonstrations
- MakerBot 3-D printer and SolidWorks 3-D modeling software

Community Outreach

The mission of the NYSC includes giving back to the community in which employees live and work in Brooklyn and NYC at large. For the past several years, the NYSC has forged ongoing relationships with high school and middle school student programs with Medgar Evers College of the City University of New York (MEC) and New York University-Polytechnic (NYU-Poly). Both programs focus on underprivileged students who are at risk of falling behind academically and socially due to difficult home and school environments. The NYSC mentors high school teams for the national CyberPatriot competition sponsored by the Northrop Grumman Foundation. The NYSC has also worked with the MOUSE organization of New York City running a high school program that offers students the opportunity to “shadow” a staff member for several days. Staff have participated in career days with college-level and high school students about STEM careers and to offer helpful hints about motivation and goal-setting.

For more information, please contact:

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