

## Neil G. Siegel

Vice President and Chief Engineer  
Northrop Grumman Information Systems



Neil G. Siegel is sector vice president and chief engineer of Northrop Grumman's Information Systems (IS) sector. In this role, he is responsible for the sector's engineering activities and processes, along with strategic engineering support for capture activities with a particular focus on mission-level opportunities. He shares responsibility for the sector's technology strategy, Independent Research and Development (IRAD) programs, technical talent development, and technology and research partnerships with the sector vice president for advanced technology.

He previously served as vice president of technology and advanced systems of Northrop Grumman's Mission Systems sector, where he was responsible for (a) the creation of a sector-level technology strategy that was responsive to the sector's business aspirations; (b) the sector research programs, creating technologies that created positive market differentiation in business; (c) the technical content of major bids; (d) the activities to grow key technical talent for the sector; (e) technology partnerships; and (f) intellectual asset management.

Earlier, he served as the sector vice president and general manager of the Mission Systems sector's Tactical Systems division, whose organic growth averaged 25 percent per year during the seven years he ran that organization. Before that, he held increasingly responsible positions in engineering, business development and program management, and led successful activities in commercial information technology, simulation and training, radar and intelligence processing. He has international business experience in both the Middle East and Europe.

He has supervised the creation and fielding of successful systems and products in many domains, including air/missile defense, battle command, Blue-Force Tracking, network-centric warfare, tactical operations centers, integrated security/force protection, commercial information technology, simulation and training, radar, intelligence, unmanned air vehicles and logistics automation.

Mr. Siegel has led Northrop Grumman to become the world leader in battlefield digitization – the use of information technology and wireless networking to improve the effectiveness of combined-arms land combat forces. Battlefield digitization achieves force multiplication through improved situational awareness, improved operational tempo and decreased mission timelines. The resulting product – Blue Force Tracking – is deployed on tens of thousands of U.S. Army and U.S. Marine vehicles worldwide, including in Bosnia, Kosovo, Afghanistan and Iraq. Blue Force Tracking has played a decisive role in these combat and peacekeeping operations, and commanders credit this system with improving the outcome of combat operations and saving lives by reducing the “fog of war.”

Mr. Siegel has also played important roles in the creation of several other businesses for the corporation, including mobile command posts, force protection, integrated security systems, wireless battlefield networking, air defense command and control (C2), missile defense BM/C2, logistics automation, and military base information technology infrastructures.

He had executive responsibility for the maturation of the Hunter Unmanned Air Vehicle into a reliable and effective weapon system.

He was the program manager for the U.S. Army's “digitization-of-the-battlefield” activity, which received recognition in 2001 as one of the five best-managed software programs in the entire U.S.

# Biography

government, and was also awarded the 2003 Institute for Defense and Government Advancement's award for the most innovative U.S. government program, the 2003 Federal Computer Week Monticello Award (given in recognition of an information system that has a direct, meaningful impact on human lives), and the 2005 *Battlespace* magazine award as "Best Program in Support of Coalition Operations."

His patents and inventions span many domains, including real-time manufacturing, medical systems, communications protocols and computing systems. Other contributions to the company's technology base include work in networking, software development methodologies, system-of-systems engineering and advanced systems integration techniques.

He has been a member of various government panels such as the Defense Science Board, the Army Science Board and Defense Advanced Research Project Agency review panels.

He has received a variety of awards from the company, from customers and for his involvement with community and charitable affairs. He is an elected public official, serving on a California hazard abatement district board.

He was elected to the U.S. National Academy of Engineering in 2005, one of only six active Northrop Grumman employees to be so honored.