



James F. Carlini

CHIEF TECHNOLOGY OFFICER

James F. Carlini is the Chief Technology Officer at Leidos, Inc. He is responsible for the development and implementation of corporate technology and engineering strategies that ensure technological differentiation for the enterprise. He does this via methods ranging from internal Research & Development (R&D) to all forms of external technology leveraging including commercial technology partnerships, contract R&D, university relationships, venture firm engagement, and working with federally-funded research and development centers and laboratories. The specific portfolio of capabilities and technologies ranges from digital modernization to integrated systems, and from cyber to artificial intelligence/machine learning, advanced manufacturing, software, electronic warfare, and sensors.

Prior to joining Leidos, Carlini founded a consultancy where he provided consulting services to a wide range of industry and government national security organizations. His services included program capture, program formulation, strategic planning, systems analysis, concept development, and technology roadmapping. Carlini also served as the chair of the Georgia Tech Research Institute (GTRI) External Advisory Committee.

Prior to founding his consultancy, Carlini served at Northrop Grumman Electronic Systems, with his most recent position being Vice President of Advanced Development Programs. He was responsible for the strategic planning, capture, and execution of advanced development programs in the Electronic Systems Sector of the corporation. He had cognizance over advanced development programs in the areas of force protection, strike and combat, advanced surveillance systems, chemical and biological defense, land combat, and navigation systems.

Prior to Northrop Grumman, Carlini was the Director of the Special Projects Office (SPO) at the Defense Advanced Research Projects Agency (DARPA). He was responsible for the strategic planning and execution of science and technology investments totaling approximately \$250M per year. He formed the SPO to develop, focus, and apply advanced technologies and systems to emerging national security and military challenges. Specifically, SPO invested in high-risk technologies to address tactical sensing from space, space control, hard and deeply buried target characterization, GPS jamming mitigation, cruise missile defense, chemical and biological warfare defense systems, and mobile target engagement. Prior to DARPA, Carlini was a senior engineer at Science Applications International Corporation.

Carlini is a member of the Defense Science Board and a former member of the Air Force Scientific Advisory Board and the Army Science Board. He has received the Secretary of Defense Medal for Outstanding Public Service and the OSD Medal for Exceptional Public Service. Carlini holds a Master of Science in electrical engineering from The Johns Hopkins University and a Bachelor of Science in electrical engineering from Drexel University.