

“We’re focusing our technology initiatives on innovative solutions, collaborative processes and lean, efficient operations — the essentials for global aerospace leadership.”

James M. Jamieson
Senior Vice President; Chief Technology Officer



Boeing Technology

Boeing Technology sharpens our competitive edge today while helping maintain Boeing's global aerospace leadership.

To provide technology leadership across the enterprise, Boeing Technology develops, acquires, applies and protects our innovative technologies and processes. It is also establishing common processes and systems for enterprisewide engineering and business applications. Through such initiatives, Boeing Technology is deriving the greatest possible value from our investments in technology, processes and people to ensure our continued competitive success.

Boeing Technology executed well in 2004, continuing to win important advanced programs and to leverage our technology investment.

Boeing Technology was instrumental in winning strategic new programs, including Space-Based Surveillance System; Space-Based Radar System; Global Communications, Navigation and Surveillance System for the future of air traffic management; and a major proprietary program. We also continued developing the potential of "new frontiers" programs, such as the Orbital Express servicing satellite, the Canard Rotor/Wing combination helicopter and fixed-wing aircraft, and the ScanEagle surveillance unmanned aerial vehicle.

Beyond these development programs, Boeing Technology also successfully transitioned lean and efficient processes and tools and innovative avionics, structures and manufacturing technologies into

critical development programs, such as the Boeing 787 jetliner and the X-45 Joint Unmanned Combat Air System, and into ongoing programs, including the C-17, F-15K, F/A-18E/F, and Boeing 777 and 737. This transition initiative is saving our businesses billions of dollars through cycle time reductions and cost avoidance, while enhancing the quality and performance of their products.

Boeing Technology positions our businesses for future success by supporting enterprise growth strategies.

Through information technology initiatives, we are transforming Boeing into a highly efficient, network-enabled enterprise able to design and build our products anywhere in the world. We are also leveraging new programs like Multi-mission Maritime Aircraft and 787 to further drive common processes and systems across the enterprise.

To build for the future, we have developed more than 20 strategic alliances worldwide with universities, research agencies and other companies, enabling Boeing to acquire new ideas and technologies that will improve our products and services.

Finally, we are protecting our technology investment and intellectual property through such initiatives as quadrupling the number of Boeing patent applications during the past four years and aggressively pursuing international patents. We also continue to leverage our technologies through licensing opportunities.

◀ The A160 Hummingbird is a vertical-takeoff-and-landing unmanned aerial vehicle designed for long-endurance surveillance missions. Being developed by our Phantom Works advanced R&D unit, the A160 significantly strengthens Boeing's position in the unmanned systems market.