



**Celestech** is a privately held Virginia Corporation with offices in Chantilly, Virginia and Phoenix, Arizona. Our staff of highly skilled engineers, technicians and program management professionals provides our customers with tailored solutions that meet current and evolving technical requirements throughout the operational lifecycle of their systems.

**Celestech's** core business is performing advanced system development for U.S. Government Departments and Agencies, the DoD, and Commercial customers. Our engineering professional's possess a diverse set of technical skills and expertise to support our advanced technology research and development tasking. Our team covers all aspects of the development lifecycle including concept development, design, development, integration, and deployment. Our expertise includes: Communications Systems (Satellite, Terrestrial Wireless, Networks, Software-Radios) and Advanced Signals Intelligence Processing Techniques, Direction Finding (DF), Hyperspectral and Hyper-Dimensional Image Processing and Recognition.

**Celestech's** team of talented scientific and engineering professionals delivers service, results, and value to our customers. Our team covers the engineering disciplines associated with our core competencies in satellite systems, wireless communications, signal processing, advanced data analytics and visualization, machine reasoning and decision support, and data fusion. Our engineering disciplines include: Software, Hardware, Radio Frequency (RF), Test, and Technical Management. We can perform development, systems engineering, test & evaluation, SE&I and additional engineering functions as requested by our customers.

**Celestech**, through advanced technology research, is developing innovative enabling capabilities that make use of evolving and newly emerging technologies. Our current research emphasis is on high performance parallel processing platforms, hyperspectral and seismic processing, and ultra precise time synchronization and time tagging.

**Celestech** is achieving significant performance breakthroughs with tailored software applications and world class signal processing algorithms for high performance parallel processors. These applications run on low-cost NVIDIA Graphics Processing Units (GPU) and use the CUDA API. Our GPU Software Development team is advancing the state of the art in Single Instruction, Multiple Data (SIMD) algorithm performance.

Our timing and synchronization research is focused on increasing time knowledge and accuracy at the systems, subsystem and component level to enable more precise timing knowledge and signal processing accuracy.

**Celestech** is continually assessing the status of our partnerships and are actively negotiating additional agreements with Industry, Government and Academic partners. These new strategic business relationships enable us to continue the development and delivery of unique and innovative solutions for our customers. These partnerships are forged with customer requirements as the driving force and serve to complement our ability to deliver the right solution at the right price.

