



High Performance Computing

Program Manager 256-895-1182

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

The U.S. Army Engineering and Support Center, Huntsville Information Technology Services High Performance Computing (HPC) Program supports the Department of Defense (DOD) High Performance Computing Modernization Program (HPCMP) through procurement of numerous HPC systems (supercomputers) with over 5 PetaFLOPS of computing capability and over 50 PetaBytes of mass storage archives. HPCMP accelerates the development and transition of advanced defense technologies into superior warfighting capabilities by exploiting and strengthening U.S. leadership in supercomputing, communications and computational modeling.

Benefits

High performance computing amplifies the creativity, productivity, and impact of DOD Research, Development, Test and Evaluation (RDT&E) community by giving them access to insight about the physical world, and human actions within it, that would otherwise be too costly, too dangerous or too time-intensive to obtain through observation and experiment alone. Contracts awarded by Huntsville Center enable HPCMP to provide the people, expertise and technologies that increase the productivity of RDT&E and computational research communities. The HPC Program works with agency program, financial, contracting and legal counsel working to ensure requirements are met on time, within budget and at reduced risk, resulting in best value solutions. We provide the services and the level of support needed for each requirement from our available capabilities that include:

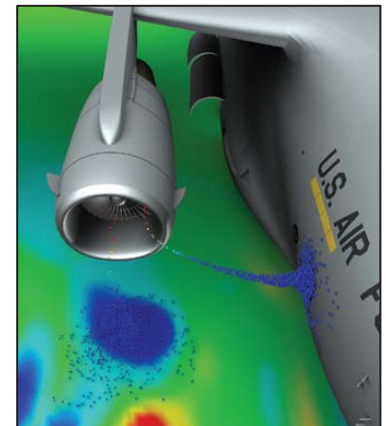
- Requirements Analysis
- Market Research
- Acquisition Planning and Acquisition Strategy Development
- Development of all acquisition documentation
- Contract and/or Task Order administration
- Project Management/COR
- Manage Project Schedule and Review Deliverables
- Monitor Vendor Performance and Resolve Disputes
- Manage Award Fee Evaluation Boards
- Funds Management
- Legal Support
- Contract Close-out

Key Customers

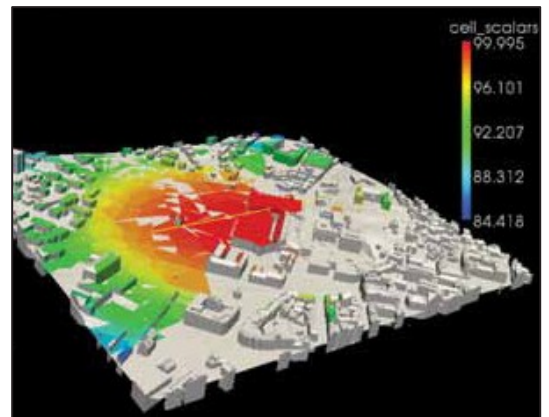
- Department of Defense High Performance Computing Modernization Program
- U.S. Army Engineer Research and Development Center Information Technology Laboratory
- The Computer Aided Design/Building Information Model (CAD/BIM) Technology Center
- Naval Meteorology and Oceanography Command



Technical Insertion (Cray Computer)



Jet Engine Foreign Object Damage (FOD) Simulation



Ballistic Trajectory Threat Probability

U.S. Army Corps of Engineers – Engineering and Support Center, Huntsville

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www.hnc.usace.army.mil

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