Information Technology Laboratory

US Army Corps of Engineers®
Engineer Research and Development Center

Description

The US Army Engineer Research and Development Center's (ERDC) Information Technology Laboratory is the premier Department of Defense laboratory for development and application of advanced information technology to military and civil works mission areas. ITL supports the missions of the ERDC, Army, DoD, and other agencies by conceiving, planning, managing, conducting and coordinating R&D in high performance computing, computer-aided and interdisciplinary engineering, computer science, information technology, and instrumentation systems. Through a balanced program of R&D and demonstration, ITL advances the Army's knowledge and ability to use advanced information technology to address a wide range of engineering and scientific challenges.

Capabilities

ITL grew from a small Automated Data Processing Center at the U.S. Army Engineer Waterways Experiment Station to laboratory status in 1986. In 1999, ITL consolidated with seven other U.S. Army Corps of Engineers laboratories to become a part of ERDC. In 2002, ITL achieved new impetus and direction with the reorganization of its management structure. ITL is now positioned to further the mission and goals of ERDC, the Corps of Engineers, the Army, DoD and the nation. ITL operates three centers:

- Major Shared Resource Center - Originally established as an Army Supercomputer Center in 1989, ERDC became the first High Performance Computing (HPC) Major Shared Resource Center (MSRC) in 1993 as part of the DoD HPC Modernization Program. The MSRC operates multi-vendor HPC computational systems that address DoD user requirements for hardware, software, programming environments, and training. International access to MSRC systems is provided through the Defense Research and Engineering Network and the Internet.
- CADD/GIS Technology Center - Offers a full range of technical and professional services for CADD, GIS, and CAFM systems that include development and implementation support for data format standards, centralized procurement of products and applications, of a clearinghouse for information exchange, and furnishing technical assistance to managers and users of these systems.
- Corps of Engineers Enterprise Infrastructure Services - The Corps' primary information technology infrastructure asset, consisting of world-class corporate data processing and global networking to enable the Corps' command and control, missions, programs, and business processes. Capability remains robust, viable, and meets customer performance expectations while maintaining a secure and cost-conscientious culture.

Point of Contact

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