



### WHAT we do:

The Information Technology Laboratory (ITL) is a premier Department of Defense laboratory engaged in the creation and application of advanced information technology in support of the Warfighter and the Nation. ITL conducts research and development in informatics and computational science and engineering with particular emphasis on high-performance computing, computer-aided and interdisciplinary engineering, computer science and instrumentation systems. The laboratory provides unmatched expertise in areas such as:

- ▶Data science
- ▶High-performance data analytics
- ▶Software engineering
- ▶Systems engineering
- ▶Augmented and virtual reality
- ▶Artificial intelligence and machine learning
- ▶Cybersecurity



### WHY we do it:

As technology continues to advance at a rapid pace, it is critical to stay on the leading edge in order to maintain a competitive advantage. ITL delivers groundbreaking solutions and problem-solving techniques; applies state-of-the-art software development, engineering, security policies and business practices; and utilizes cutting-edge technologies to solve tough problems in an effort ensure mission success for partners across government, industry and academia.

### WHO we are:

ITL is home to nearly 400 dedicated professionals working steadily to execute its program. More than 40% of the workforce holds an advanced degree, and more than 30% has professional certifications or registrations. This team is aided by world-class facilities, including nearly 40,000 square feet of raised floor space that contains both classified and unclassified supercomputing resources. ITL is also home to an innovation laboratory, an augmented reality/virtual reality laboratory, an enhanced cybersecurity service provider facility and a high-performance data analytics center.

### MISSION:

ITL's mission is to provide innovative solutions to solve the Nation's most complex and challenging information technology and computational issues.

### VISION:

The ITL vision is to be a world-class research and development organization that discovers, develops and delivers solutions to make the world safer and better.

### GOALS:

ITL strives to provide high-quality, value-added products and documentation on time and on budget to customers and stakeholders. Products can typically be classified within three areas:

- Advanced information technology hardware solutions** - Collaborative environments, high-performance computing at the tactical edge, augmented reality and virtual reality (AR/VR), digital engineering/digital twin integration and more
- Knowledge universe** – ERDC library initiatives, data lakes for artificial intelligence and machine learning, modeling and simulation wargaming and more
- Enterprise software solutions** – Automated information systems, decision analytics tools, physics-based models and more

## DISCOVER • DEVELOP • DELIVER

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ITL WEBSITE

