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## “HPC in a Box” - High Performance Computing (HPC) – At The Edge

### Engineered Resilient Systems

The U.S. Army Corps of Engineers Information Technology Laboratory is committed to the delivery of advanced computing capabilities at the point of need. This small deployable HPC capability allows data processing and storage at the point of need while reducing network limitations commonly associated with complex data sets. This solution integrates industry-leading computational power and independent cooling capability into a “ruggedized” impact case to deliver a system suitable for field conditions.

### Capabilities

The Information Technology Laboratory Team is a leader in the Department of Defense (DoD) supercomputing solutions. This self-contained deployable HPC capability allows analysis at the point of need, including the integration of multiple data streams capable of handling complex data sets to deliver faster response times.

### Benefits

- This capability allows significant computing power to be moved as far forward as possible “At the Edge”.
- Integration of advanced Machine Learning and Artificial Intelligence techniques combined with HPC architectures will allow better decisions to be made, faster.
- HPC capabilities allow in the reduction of data processing times and solutions through faster response times.
- Avoids the complications of supercomputers being installed in fixed facilities.



### Supporting Technology Growth

The Information Technology Laboratory’s engineers and computer scientists can deliver optimized HPC hardware and software systems to help your team solve critical problems.

### ERDC Point of Contact

Jonathan Boone | 601-634-3604 | [jonathan.l.boone@erdc.dren.mil](mailto:jonathan.l.boone@erdc.dren.mil)

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