Revolutionizing Decision-Making: Supercomputing at the Edge

What? The DoD High Performance Computing Modernization Program (HPCMP), managed by the ERDC Information Technology Laboratory, announces its newest supercomputing capability:

- **Mobile, Containerized Supercomputer** to support military and civil works missions anywhere
- **Ruggedized, self-contained, deployable**

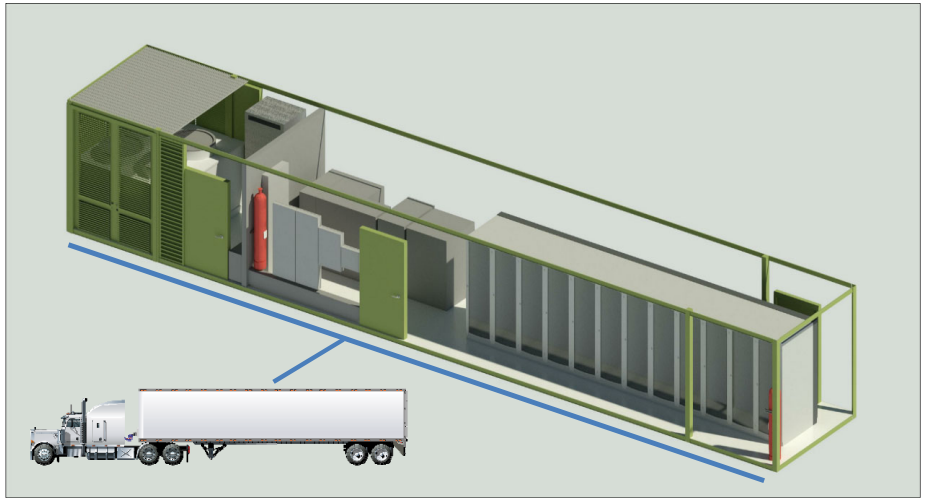
Why?

- Obtain/maintain **dominance of the future battlespace and accelerate civil works missions**
- Empower the DoD to make **better and faster decisions using data at the location of relevancy**
- Harness advances in Machine Learning/Artificial Intelligence and emerging HPC architectures **on site where decisions are made**

Payoff

- Analyzes data at site of critical need
- Integrates multiple data streams
- Processes large data sets in real-time
- Delivers faster response times
- Deployable anywhere including the tactical edge
- Enables DoD Mission Success

53' shipping container with on-board compute capability



Technical Specs

- 53' shipping container with on-board compute capability
- 200 KW On-board UPS-protected power with chilled water cooling system.
- 22 IBM POWER9 training compute nodes with 6 nVidia V100 GPGPUs (132 V100 GPGPUs; 330 TB local PCIe NVME Storage)
- 128 IBM POWER9 inference compute nodes with 4 nVidia T40 GPGPUs each (512 T40 GPGPUs; 460 TB local PCIe NVME Storage)
- 1.3 PB SSD-based shared parallel file system

Revolutionizing support for military and civil works missions by bringing supercomputers to the site where decisions are made.

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