



BLUENERVE CONNECTS THE MARITIME ECOSYSTEM TO ADVANCE INNOVATION

BlueNERVE is a virtually accessible network that enables the accelerated development of solutions for subsurface/undersea conditions for a range of climate, national security, coastal resiliency, fishing/aquaculture applications, and more.

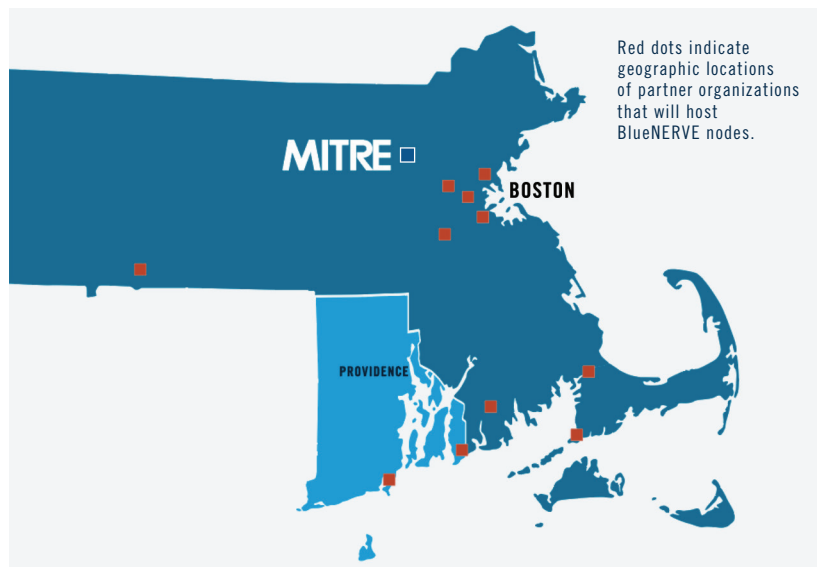
A national resource, BlueNERVE leverages MITRE's Networked Experimentation, Research, and Virtualization Environment (MITRE NERVE™) to connect BlueTech laboratories, enabling data and knowledge sharing across distributed geographic locations and institutions.

With more than 10 partners committed to becoming nodes, BlueNERVE is a unique asset that enables simultaneous point-to-point and multi-party research collaborations across the Northeast region.

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The BlueNERVE network increases collaboration, accelerates new technology development, and fosters innovation throughout the BlueTech ecosystem.

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WE'RE LOOKING FOR PARTNERS TO JOIN THE BLUENERVE NETWORK.

We are connecting organizations across the United States to BlueNERVE, with more than 10 nodes confirmed and several others in discussion. If you are an organization that has a BlueTech lab facility, collects blue data, or has modeling capabilities that could benefit the maritime ecosystem, let's connect!

For information about MITRE's BlueNERVE, contact, BlueNERVE@mitre.org.

MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government and in partnership with industry to tackle challenges to the safety, stability, and well-being of our nation.

MITRE | SOLVING PROBLEMS
FOR A SAFER WORLD®

Key Benefits of BlueNERVE:

Data Accessibility:

Through the BlueNERVE network, users will have the opportunity to securely share and access different data sets all in one locale.

Distributed Operations:

The BlueNERVE network allows a platform/sensor at one node location to communicate with another platform/sensor at another node location, enabling cross-organization testing and evaluation eliminating the need for teams to be physically co-located.

Advanced Modeling and Simulation Capabilities:

Users can share models, simulations, and computation capabilities, utilizing new or larger datasets hosted on the network.

*MITRE is working toward implementing realistic digital twins in BlueNERVE for ocean and weather models.

BlueNERVE Features:

BlueNERVE is a shared nation-spanning network for a wide range of technical activity. The platform offers:

- Private tenancies to protect each lab and project's assets
- Direct site-to-site connectivity at numerous partner facilities to support integration of unique lab hardware
- VPN and browser-based remote access available to U.S. persons from anywhere in the United States
- Enterprise infrastructure services to secure and maintain connected systems
- Safe harbor for systems with unique maintenance requirements
- Geographically dispersed efforts to establish a single logical lab
- Available integration with Amazon Web Services for elastic computing and other cloud-based services