

WIRELESS POWER TRANSFER

WHY THIS TOPIC

The Army is increasingly relying on expeditionary electric power from soldier-borne equipment and novel UAS platforms, to life support and communication systems in command posts, and the desire to electrify combat vehicles. The Army's transition to greater reliance on electric power, and the increased likelihood of fighting dispersed on the future battlefield, requires an overhaul of our electricity generating, transmission, and storage process.

WHAT WE NEED FROM YOU

We're looking for technologies that can wirelessly transfer power to Soldiers in the field, and enhance the capabilities and efficiencies of what we use today. Long-range wireless power transfer concepts should include (but not limited to):

- A continuous wireless power transfer from a point of generation to an end user
- Variable transfer capacities to fit multi-level requirements
- A design that uses a non-interference transfer method

WHAT YOU RECEIVE FROM US

You will have the opportunity to participate in a Phase I SBIR program, which provides up to \$111.5k across 6 months to build on your design concepts and show how your technology will help modernize the Army. This program adds direct engagement with Army problem owners and technical experts, which includes Soldier touchpoints for real-time feedback from those who would be able to use your technology. Additionally, innovators will have the opportunity for future awards up to \$1.1 million. Learn more at www.aal.army/spartn

WHAT ARE THE BENEFITS TO A PHASE I SBIR TOPIC?

- ✓ Designed for U.S. small businesses (<500 employees)
- ✓ Provides non-dilutive funding to develop a concept
- ✓ Relevant Army stakeholder feedback and support
- ✓ Receive increased data rights protections
- ✓ Opportunity for future awards up to \$1.1 million
- ✓ Participate while maintaining other sources of revenue

ABOUT THE ARMY APPLICATIONS LABORATORY

We're not a laboratory in the traditional sense of the word. As the U.S. Army's innovation unit, we don't make things — we make things possible. The Army Applications Laboratory (AAL) is fundamentally reshaping how the Army works with industry to reunite American innovation and national security. Together, we question *why* and deliver *what if*. Learn how we do it at aal.army.

