The Tech Warrior Enterprise, administered by Wright State Research Institute’s National Center for Medical Readiness in Fairborn, Ohio is designed to push the limits of promising new systems by allowing companies to demonstrate them in a relevant setting. It offers small businesses the opportunity to embed their technology in an environment that simulates actual field conditions and to receive feedback on their technology from a variety of Air Force stakeholders. Operational scenarios include combat rescue, disaster response, airbase defense, global integrated ISR, personnel recovery, command and control, agile combat support, special operations, etc.

Each year a growing number of companies participate in Tech Warrior activities designed to assess the flaws in their technology and then return later to test the improvements. Failing is acceptable because it shows what needs to be fixed and provides a pathway to technology maturation.

Tech Warrior OPS events occur quarterly with warfighters and first responders in the training and exercise roles. Small businesses are to ask questions and gather specific data by interviewing the operators of their technology.

Tech Warrior CONNECT is a year-round program that places technology from small business into the hands of potential users, who then conduct offsite evaluations for up to several days. This demonstration environment is tailored to suit individual small business needs.

Participation in the Tech Warrior Enterprise is free for small businesses that qualify. Small businesses with an Air Force research and development contract, especially those involved in the Air Force SBIR/STTR Program, and government program managers are encouraged to participate.
Tech Warrior CONNECT provides an opportunity for small businesses to gain valuable early feedback and to perform simple
testing on their technologies. Tech Warrior CONNECT is a customized experience that results in feedback from subject matter
experts, and/or iterative technology integration. Tech Warrior Enterprise personnel design a CONNECT experience to meet the
needs of a small business’ technology development stages, at any time during the calendar year.

Tech Warrior CONNECT events can include any of the following, or any combination of the following, based on requirements/needs:

**DOMAIN EXPERT CONSULTATION**
Small businesses receive access to subject matter experts from their intended user community, present their technology, and receive valuable input. This can include
demonstration of a prototype or simple explanation of design concepts. Users provide feedback on how the technology might integrate best for their particular user group/requirements.

**NETWORK INTEGRATION**
Small businesses integrate technology functions into a complex network environment. Tech Warrior Enterprise (TWE) network engineers incorporate the technology with the National Center for Medical Readiness’ (NCMR) secure network infrastructure, and provide feedback and suggestions as ‘bugs’ are worked out. Working with network engineers prepares the small business for integration into the more complex TWE events such as Tech Warrior OPS and/or Operation Tech Warrior.

**FUNDAMENTAL TEST/Demonstration**
TWE staff design and execute a simple test scenario for a small business’ technology or prototype, allowing for
collection of early data, allowing for failure, which accelerates fixes/changes that drive future development priorities. Leveraging Tech Warrior CONNECT to conduct early rudimentary testing enhances a small business’ ability to showcase breakthroughs in more complex demonstrations such as Operation Tech Warrior.

“Tech Warrior CONNECT is the first step to actualize the value of what the Tech Warrior Enterprise has to offer the small business community and accelerate the development of vital resources for the warfighter.”

David Shahady
Air Force SBIR/STTR Program Director

---

Contact the Tech Warrior Enterprise staff to arrange an in-person or telecom Tech Warrior CONNECT interview:

- Present technology and needs
- Ask questions
- Discuss next steps

---

**POINTS OF CONTACT**

**National Center for Medical Readiness**
506 E. Xenia Dr. | Fairborn, OH  45324
937-775-7625 | twenterprise@wright.edu

**John Matecki**
WSRI Assoc. Director of Training and Exercise
john.matecki@wright.edu

**David Shahady**
Air Force SBIR/STTR Program Director
david.shahady.1@us.af.mil

Facebook.com/techwarriorenterprise/
Twitter @T_W_Enterprise
Tech Warrior OPS provides an opportunity for small businesses to gain early feedback from warfighters and first responders. The OPS event is designed to place technologies in the hands of the actual user during training and exercise scenarios that simulate more rigorous operational use. This allows the user to provide highly-valuable objective and subjective feedback. It also provides small businesses with direct access to the operators for open discourse regarding potential solutions to any challenges encountered and accelerates the time it takes to formulate and execute solutions.

Tech Warrior OPS events last between one and two weeks depending on the training requirements of the operator community participating. The events can offer any, or a combination, of the following based on requirements/needs:

**OPERATOR-CENTRIC ENVIRONMENT**
Small businesses demonstrate their technologies with their target audience. The operators perform tasks as they would in the field, offering a rare glimpse into the rigors of combat or emergency response conditions.

**JOINT APPROACH**
Military as well as civilian operators are included in the events. This allows technology demonstration across a broader market space.

**COOPERATIVE SIMULATION**
While operators participate in their own training, it is understood that they will integrate technologies inside their scenarios. A blend of free-play and scripted scenarios will allow for modifications that meet specific, just-in-time technology demonstration needs.

**OPERATOR EXPOSURE**
The Tech Warrior OPS opportunity provides SBIR/STTR businesses one-on-one follow-up time with the operators where they can gather specific data and ask questions.

**POINTS OF CONTACT**
National Center for Medical Readiness
506 E. Xenia Dr. | Fairborn, OH 45324
937-775-7625 | twenterprise@wright.edu

**DAVID SHAHADY**
Air Force SBIR/STTR Program Director
david.shahady.1@us.af.mil

**JOHN MATECKI**
WSRI Assoc. Director of Training and Excercise
john.matecki@wright.edu

Facebook.com/techwarriorenterprise/ Twitter @T_W_Enterprise

01/2019