



National Institute of
Environmental Health Sciences
Worker Training Program

WTP GRANTEE MEETING
April 30, 2024 | Hyatt Regency Crystal City, Arlington, VA

FORMING SMALL BUSINESS INNOVATION RESEARCH (SBIR) PARTNERSHIPS FOR THE FUTURE



Goal of the Program

Develop innovative applications or technologies that are used for **safety and health training to prevent work-related harm** for emergency responders, skilled support personnel, and workers involved in the cleanup, removal, or containment of hazardous materials.

Think back to when the pandemic was declared...

- Were you able to transition to virtual/remote training quickly?
- What training challenges did you face that could have been improved with technology?
- What training challenges did you face that was complicated by technology?
- How were you able to reach your target audience during social distancing?

SBIR products and applications

Products

Online and web-based learning
Learning management systems
Mobile applications
Video games
Virtual reality
Augmented reality
Immersive learning systems

Applications

Just in time training
Remote training
Exposure to various scenarios
Refresher training
Virtual training exercises

Current Grantees

More about the
SBIR grantees:



Radiant Creative Group

- Agile Development of Innovative, Interactive Hazard Recognition and Mitigation Tools/Learning e-Platforms for Workers Involved in Disaster Rescue and Recovery

Megcognition, Inc.

- Enabling Realistic HAZMAT Training Simulations with the PerSim(TM) Augmented Reality Patient Simulator

InXsol, LLC

- HazMat Risk Management, Readiness and Training Platform

Charles River Analytics, Inc.

- Immersive Modular Preparedness Intelligent Tutoring (IMPRINT)
- IMPRINT Confined Spaces

Cell Podium, LLC

- Team-Based Virtual Field Exercises for HAZMAT Training

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Now...

- **What technological practices did you pick up during COVID are you keeping?**
- **How could a SBIR have helped you better reach your target audiences?**
- **How could a SBIR have helped you during COVID to improve training?**

Think about the future of safety and health training...



What are some the **technological needs** you may need in the future?



How can your training be **enhanced by technological advances**?



How can you **better engage your target training audience**?

Partnerships

Successful partnerships:

InXsol and P2R

- Risk Policy Train portal

CellPodium and Mid-Atlantic

- AR System to simulate hazardous environments

Forging Partnerships

- How can SBIR programs help advance your goals?
- How can an SBIR grantee learn about your technological needs?
- How can an SBIR grantee contact you?
- How can you partner with SBIRs?



Next steps:



Be on a look out for a webinar in the near future:

- Current SBIR projects
- How to leverage partnerships



Network and learn about one another and how you can leverage and benefit from each other's assets.