# Small Business Innovation Research and Workforce Development

Fall 2023 WTP Workshop

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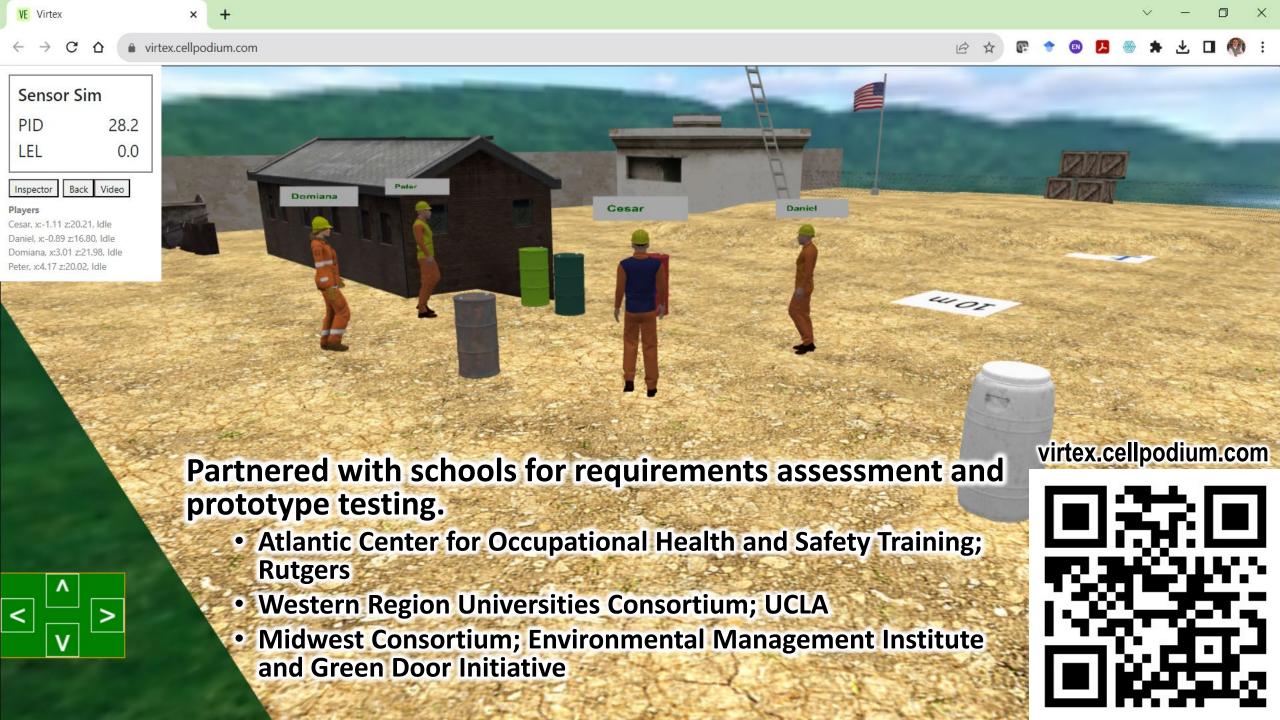


### The WTP Ecosystem

"NIEHS encourages applicants to ... pursue partnerships and collaboration with NIEHS WTP awardees,

and to design new technology-enhanced training methods or e-Learning products that can enhance the existing NIEHS-supported curricula and training" (RFA-ES-23-005)





## Beyond Traditional SBIR Collaboration: Workforce Development During Prototype Development

 Cell Podium and Green Door Initiative collaborate beyond the SBIR grant initial statement of work:

Provide technical training in Detroit to their future workforce at Green Door Initiative

- Example training activities:
  - Color 3D models of assets
    - responders, hazards, buildings, fences, landscape, etc.
  - Animate 3D models
  - Situate assets in a HAZMAT training scenario.



# Workforce Development Collaboration Builds Skills Needed in Many Industries

#### **Technical Skills:**

- Web Development
- Picture Editing
- 3D Modelling
- Web Animations

#### Needed in:

- Marketing and Sales
- Commercial Signs
- Website providers
- Freelancing

#### Don't forget the all-important soft skills!

- Motivation to develop initiative
- Skills in helping yourself: ChatGPT, Grammarly, Google Search, ...
- Teach how to learn!

### Next Steps

 Add 3D design and graphics design into the computer skills component (6 weeks @ 4 hours/week) of the existing Green Door Initiative environmental training program (12 weeks).

 Identify interested learners for co-curricular activities; funded throughout SBIR period of performance.

 Create a dedicated Computer Graphics training module as a new class in the Green Door Initiative environmental training program (12 weeks).





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