

# Virtual Professional Practice Lab

SIUe



Customer Service



HR and Leadership



Healthcare

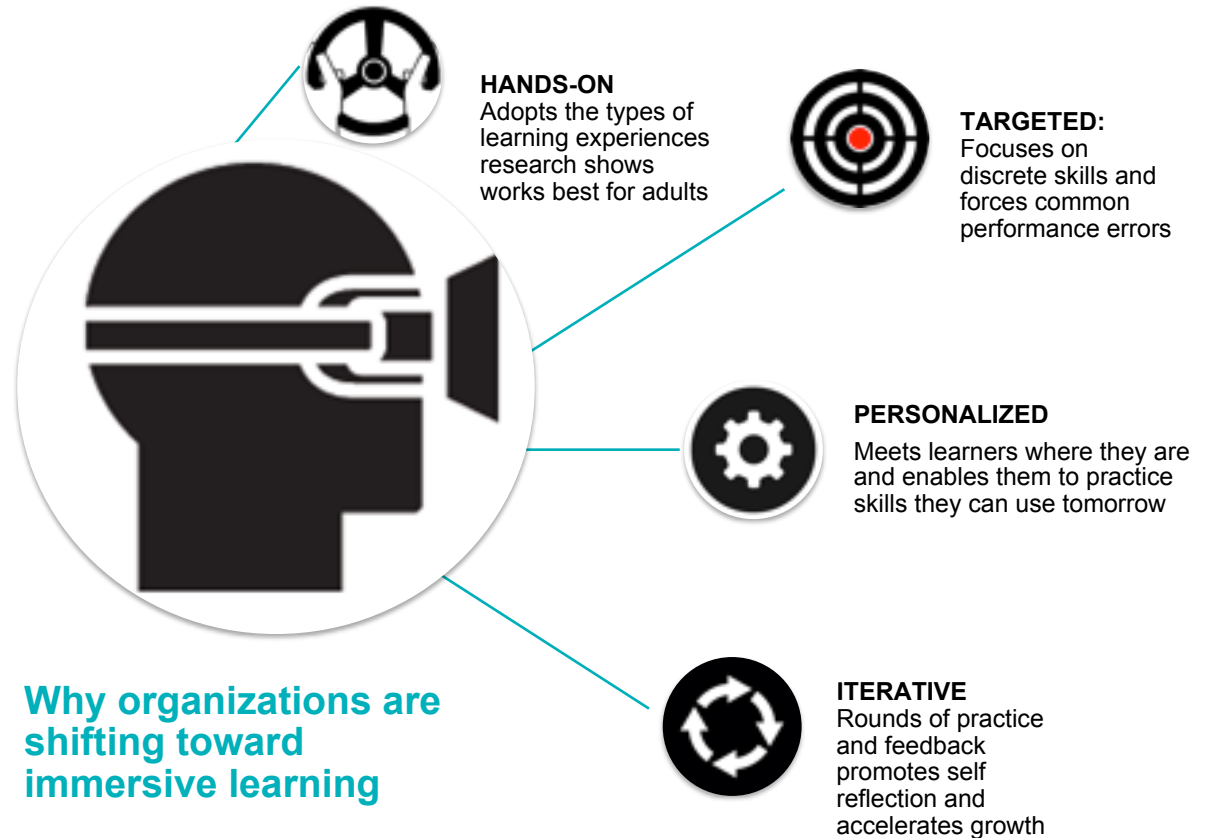


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# Leveraging Virtual Reality Simulation to Improve Key Instructional and Leadership Skills

Reinventing how professionals master their craft



Why organizations are shifting toward immersive learning

Powered by **MURSION**

# How does it work?

**Artificial Intelligence**

**+**

**Human Intelligence**



Simulations provide an engaging, efficient and safe way to ***learn by doing***.



Simulation specialist orchestrates the verbal and nonverbal interactions between the avatars and the trainee ***during*** the simulation.

# Research Base

## 1. An indispensable training tool

*Studies show that simulations are more effective than other instructional methods, because they simultaneously engage trainees' emotional and cognitive processes.*

Tennyson, R. D., & Jorezak, R. L. (2008)

## 2. Suspension of disbelief

*When the visual appearance, voice, and gestures of a virtual avatar are properly integrated, trainees experience a sense of "presence" in the virtual world or what some might call "the suspension of disbelief," wherein the human brain thinks of the virtual avatar as another human.*

Slater, M., Khanna P., Mortensen, J., & Yu, I. (2009).

Slater, M., Spanlang B., Sanchez-Vives M., & Blanke O. (2010)

## 3. Blending artificial and human intelligence

*Artificial intelligence is simply not sufficiently mature as a technology to mimic human nuances, voice, vocabulary, and gestures. Human-operated simulations using virtual avatars are far more powerful than computer-generated simulations.*

Fox, J., Ahn, S. J. G., Janssen, J. H., Yeykells, L., Segovia, K. Y., & Bailenson, J. N. (2015)