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# Science of Safety

## Enabling a Next Generation Workforce

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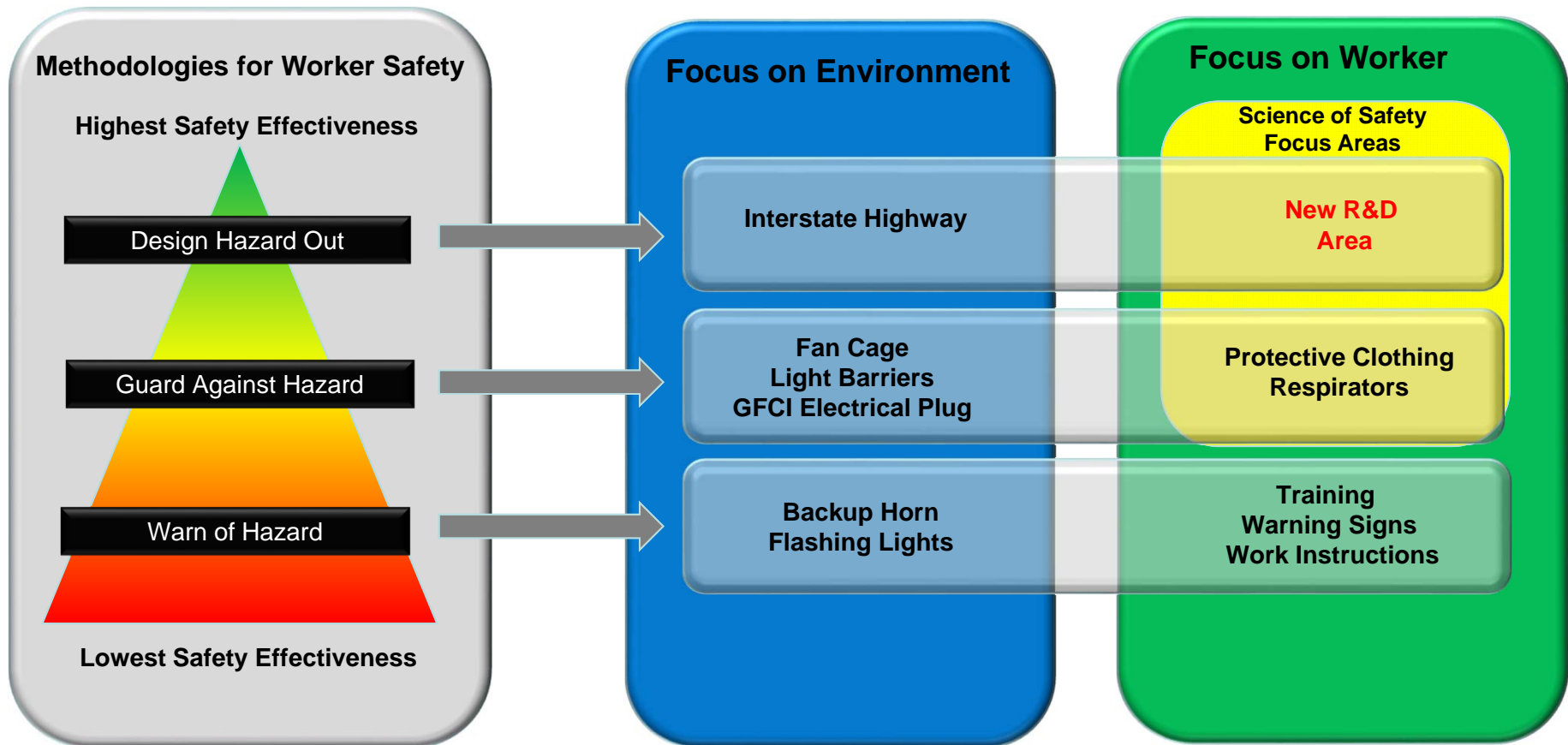
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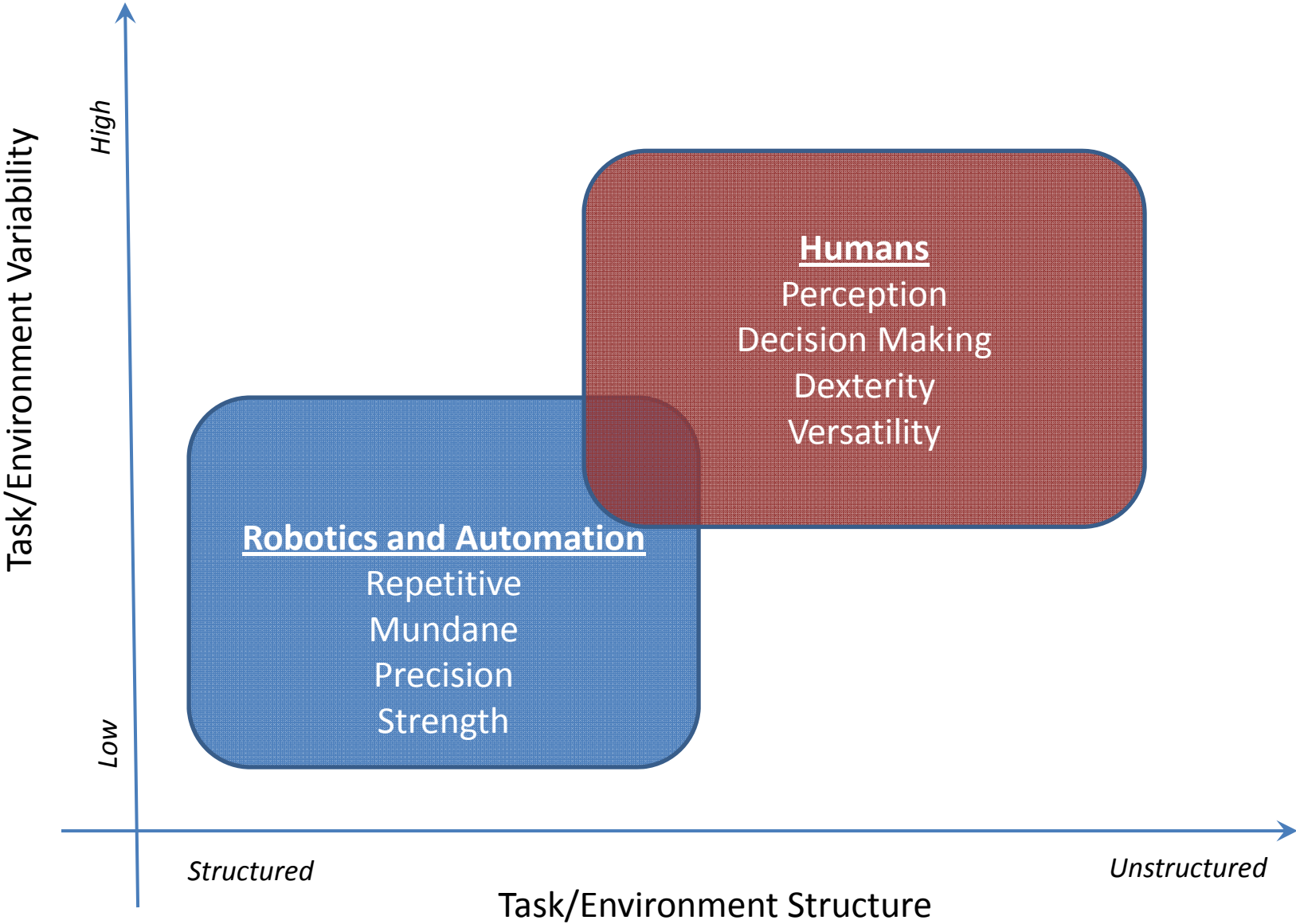
# Science of Safety

What is the Core Idea?

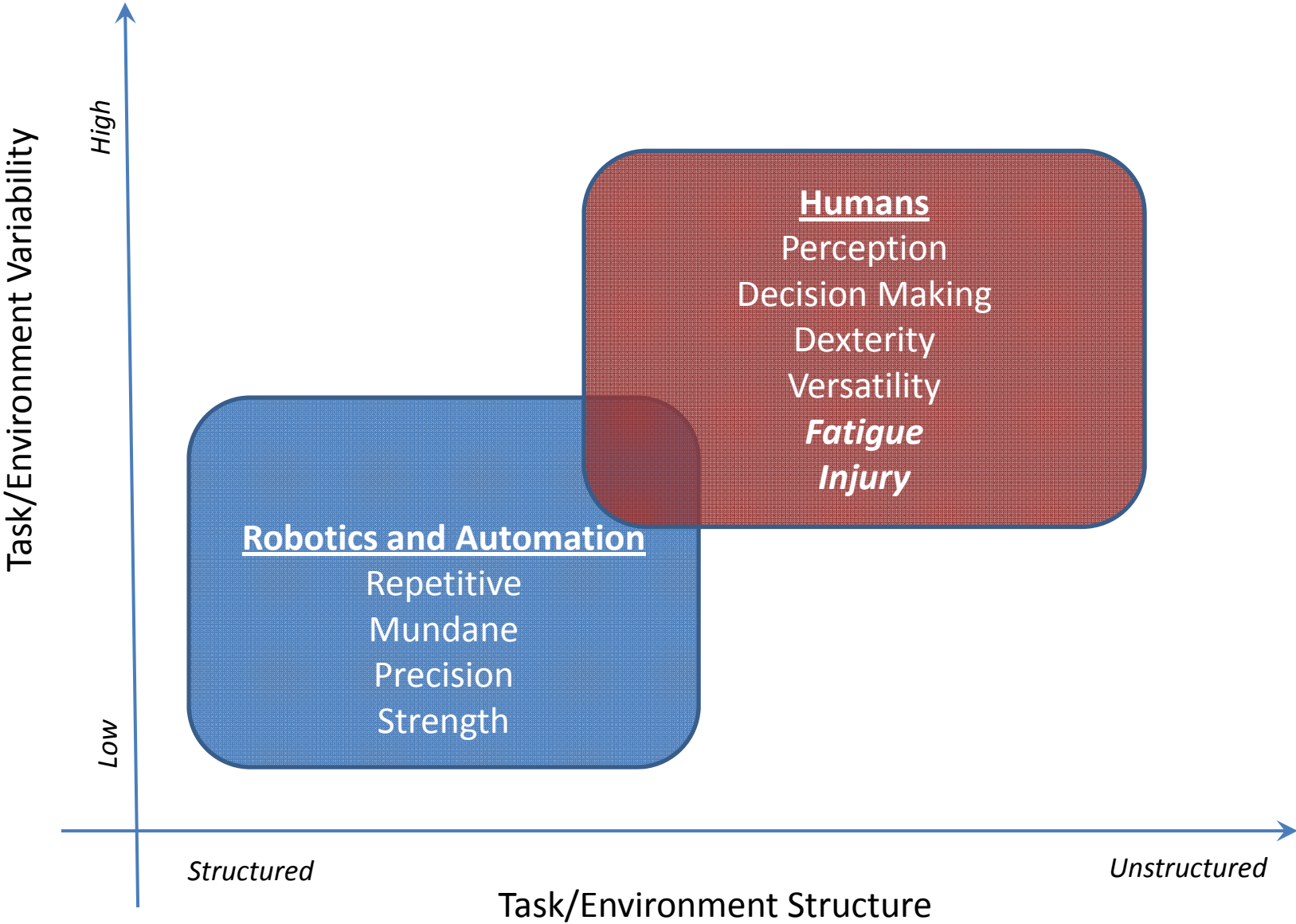


Driven by Workers  
Focused Research & Development for Workers

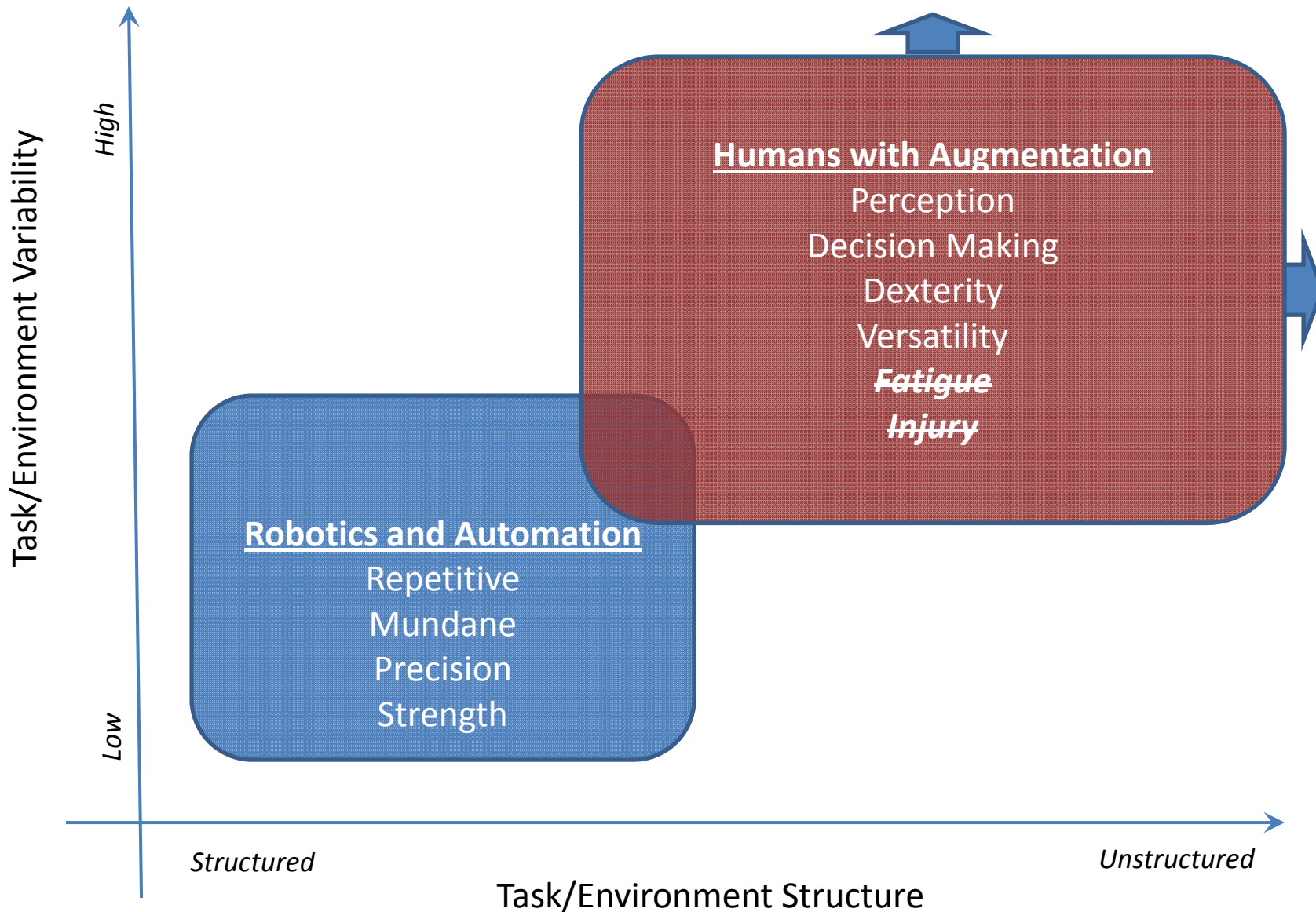
# Why Augment Human Workers?



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# Robotic PPE

**Robotic PPE** is intended to help protect workers from sustaining **internal injuries** due to forceful or over-exertion, fatigue, hyperextension, over-rotation, abrupt movements, repetitive motion or stress, repetitive or excessive vibration, awkward or prolonged postures, and possibly the latent effects of aging



# Contrasted to Current PPE

Current PPE protect workers from **external hazards** and exposures in the workplace



# Technology to Enhance Worker Safety and Performance

People Adapted to Enable Technology



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Technology to Enable People