



 Simulation

SPECTRE

Simulator for Pilot Evaluation and Crew Training in Realistic Environment



PHYSIOLOGICAL VARIABLES



INMERSIVE ENVIRONMENT



CUSTOM SCENARIOS



CV MEASUREMENT & STUDIES

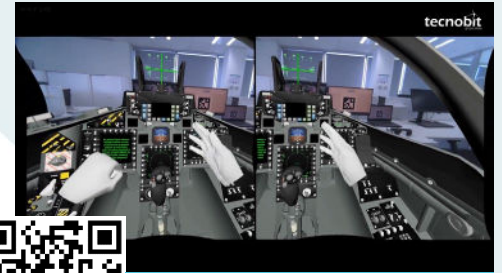


GEN AI

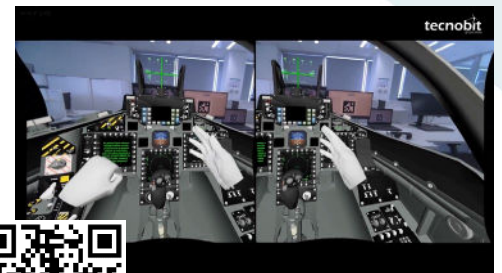
Advantages

- Huge cognitive load of future pilots and combat systems
- Cognitive ability becomes a crucial element
- Having a tool (SPECTRE) to detect pilot fatigue, performance and capabilities can be a great advantage to improve flight safety aspects and pilot performance through systematic studies of their cognitive abilities in stressful situations.
- This tool can also be used to select and evaluate personnel based on these skills, to train and improve soft-skills or for example "decision-making" in high-stress situations (ejection).
- The development can be applied to multiple fields, not only aeronautics, but also in equally stressful environments such as maritime, land or medical.

Videos



SPECTRE video 01



SPECTRE video 02



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