

Simulation

SPECTRE

**Simulator for Pilot Evaluation and
Cognitive Training in
Realistic Environment**



TRAINING IN COGNITIVE PROCESSES

Working memory, information processing, attention capacity...



HIGH QUALITY IMMERSIVE ENVIRONMENT

Adaptable to different weapon systems



PHYSIOLOGIC PARAMETERS MEASUREMENT

Eye tracking, HR, GRS, SpO2.



CUSTOMIZED TRAINING PLAN

Reports of scoring and progress.



EXERCISES BASED ON STANDARDIZED TESTS

Future applicability to personnel selection processes.

Main features

- Addresses the high cognitive workload of the fighter pilot.
- Correlates physiological parameters with the pilot's performance and pilot's cognitive functions, impacting positively on flight safety and efficiency.
- Versatile and portable.
- Wide range of exercises with different levels, designed and customized to the user's requirements.
- Autonomously operated or guided by the instructor and/or aeronautical psychologist.
- Reports of progress and individual goals, comparatively within the group with feedback in real time.
- Creation of an own database for advanced studies and future rating.
- Applicable to multiple scenarios: airspace, maritime, terrestrial, medical and industrial ones.



SPECTRE video 01



SPECTRE video 02



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