

# VRbio – Biometric VR for Human Performance (Dual-Use)

- Biometric virtual reality platform for measuring stress, cognitive load and performance
- in realistic training and simulation environments.
- Dual-use technology applicable in civil and defence contexts.



## What We Do

- Measure stress, cognitive load and behavioural response using biometrics
- Combine physiological sensors with immersive VR scenarios
- Generate objective performance insights under pressure
- Enable data-driven assessment and training



# Why VR + Biometrics for Human Performance

- Realistic exposure instead of abstract testing
- Objective, measurable human performance data
- Suitable for high-pressure and safety-critical environments
- Supports training, evaluation and research



A man wearing a VR headset is seated at a desk in a control room. He is looking at several large monitors displaying data and charts. The room is dimly lit, with the primary light source being the screens. In the background, another person is visible, also working at a desk with multiple monitors. The overall atmosphere is professional and high-tech.

# Dual-Use Applications

## Civil:

- Workforce training & assessment
- Leadership & decision-making
- Safety-critical professions

## Defence:

- Human factors & readiness
- Training & simulation
- Decision-making under stress

# What We Seek (EDF & EU)

- Research organisations (human factors, medical, AI)
- SMEs & system integrators
- Defence & civil end-users
- Partners for pilots, co-development and EDF consortia