

Trainer Flight Simulator Upgrades - Hawk Mk 132 Class

CAPABILITY SHEET - XR REFIT, FLIGHT-MODEL REBUILD & NETWORKED TRAINING

WHAT AN UPGRADE IS

THE ONE IDEA	A simulator ages in its computers, not its cockpit. The shell, controls and motion cues still match the aircraft. The electronics around them do not.
KEEP / REPLACE / ADD	Keep the cockpit and its interface. Replace host computers, image generation, displays and software. Add XR, networking and adversaries.
WHY IT PAYS	What the simulator cannot teach, the real aircraft must - at jet-fuel prices. The upgrade moves that teaching back onto the ground.

THE NEW EYES AND BRAIN

XR VIEW	Embedded headsets in the 4K, 90-hertz class. Full 360-degree view with cockpit passthrough: synthetic world looking up, the real cockpit looking down.
FLIGHT MODEL	Rebuilt and matched to flight-test behaviour across the envelope - high angle of attack, stall, spin, engine failures - with control feel checked.
VISUAL WORLD	Modelled airfields with approach aids and lighting, terrain, weather from clear to storm, day and night, layered winds and turbulence.

ONE SHARED MISSION

HLA NETWORK	Federation on the open IEEE 1516 standard. Five stations fly one scenario, join and leave while it runs, and dissimilar simulators can connect later.
ADVERSARIES	Computer-generated forces fly real manoeuvres as leads, targets and opponents - formation to two-versus-two - with tools the operator keeps.
DEBRIEF	Full mission recording with eye tracking, hand tracking and cockpit cameras. The instructor sees what the trainee actually saw.

PROOF & ENGAGEMENT

STAGED PROOF	Clause-by-clause compliance offered with the bid. Factory acceptance first, then proof at the operator's own complex before training starts.
THE PATTERN	Supply, installation, testing, commissioning and operator training. An 18-month-class programme with warranty in the three-year class.
ENGAGEMENT	Tell us the device, its age and what the syllabus now needs, at sales@neometrixgroup.com .

DEFENCE PROGRAMMES DESK

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