

FLIGHT TRAINING SIMULATION

for civil aviation



exail

COMPREHENSIVE SIMULATION ECOSYSTEM

For over 20 years, Exail's complete simulation ecosystem has combined tailored configurations, immersive technologies, and certified aircraft fidelity to optimize every step of pilot training, from flight planning to full-flight immersion.



TAILORED TRAINING ENVIRONMENTS

Custom cockpit and hardware layouts match operational and fleet requirements

Flexible scenario management supports normal, abnormal and emergency procedures

Adaptable configurations ease transitions across aircraft and training levels



IMMERSIVE REALISM & FREE-TO-PLAY

Mixed Reality and 360° environments enhance immersion and spatial awareness

Touch interaction reinforces precise cockpit workflows and procedural reflexes

Self-paced practice improves skill retention without adding instructor workload



COMPLIANCE & AIRCRAFT FIDELITY

EASA & FAA qualification standards support recognized qualification pathways

Modular architecture adapts to evolving regulatory and training standards

OEM data packages ensure aircraft accuracy and seamless skill transfer

FAMILIARIZATION



FMS/T

Flight Management System Trainer

- Desktop and tablet access
- Cost-effective self-paced practice
- Individual or classroom integration

SKILL DEVELOPMENT



TST

Touch Screen Trainer

- High-fidelity 3D cockpit environment
- Realistic flight deck setup
- Efficient procedural rehearsal

OPTIMIZED TRAINING EFFICIENCY

Exail simulation solutions optimize efficiency to build mission-ready aircrews. By balancing tasks across scalable training tiers, operators streamline progression, maximize asset availability, and reduce cost per pilot.



EXPANDED CAPACITY & READINESS

Train more pilots simultaneously without overbooking flight simulators

Trainees arrive fully prepared for advanced sessions, improving check-ride success

Repeated procedural practice shortens total qualification timelines



COST REDUCTION PER PILOT

Offload repetitive procedural tasks to lower-cost highly effective devices

Reduce reliance on expensive full-flight hours for routine exercises

Minimize instructor overhead while maintaining maximum learning retention



MAXIMIZED ASSET AVAILABILITY

Deploy each training device precisely where it delivers the highest pedagogical value

Free up premium full-flight simulators for advanced tactical and emergency training

Balanced ecosystem utilization extends hardware lifespan and maximizes fleet ROI



FTD
Flight Training
Device

- Full-scale enclosed flight deck replica
- High-definition immersive visuals
- Advanced procedure training

ADVANCED TRAINING



FFS
Full Flight
Simulator

- Full-motion realism with immersive visuals
- Complex scenario training for operational readiness

1

Proven aerospace heritage

Over 20 years of continuous innovation and field-tested expertise supporting global civil and defense operators.

2

End-to-end ecosystem

A single provider for hardware, software and visual systems ensuring seamless compatibility and total system continuity.

WHY CHOOSE EXAIL?

5

Global support & continuity

Dedicated life-cycle management, remote diagnostics and worldwide assistance to ensure maximum device availability.

3

Certified fidelity

Full adherence to EASA and FAA standards guarantees exact aerodynamic behavior and official flight credits.

4

Scalable & future-proof

Modular architecture allows seamless software upgrades, fleet additions and regulatory adaptations without replacing core hardware.