

QUADRANT

INTERACT™

SIMULATED ATC ENVIRONMENT

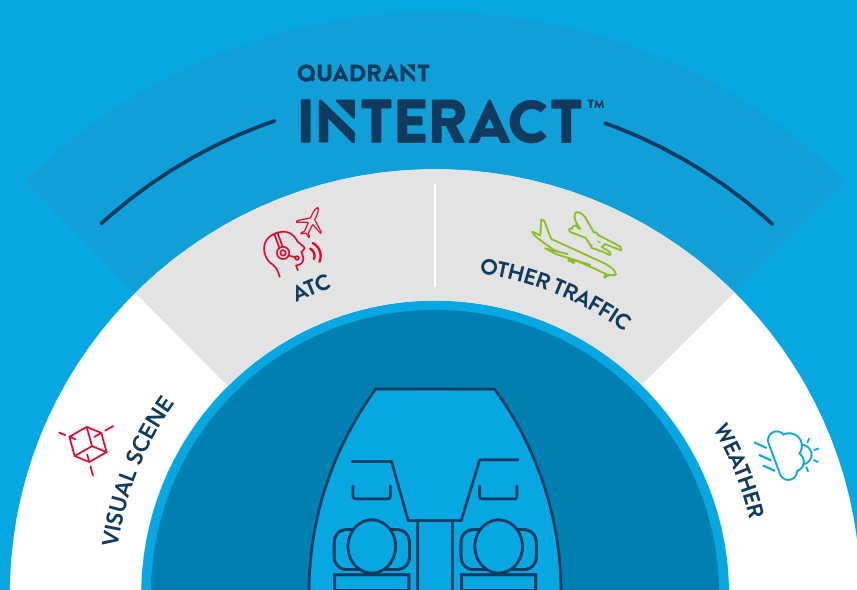
Delivering the next generation of
environment simulation...



A PRODUCT OF
**QUADRANT
GROUP**

INTELLIGENT. IMMERSIVE. INTERACTIVE.

QUADRANT INTERACT™ is a simulated ATC environment (SATCE) solution for all types of flight simulator, delivering real-time dynamic other traffic and ATC communications.



Full Synthetic Environment

Along with the visual scene and weather, INTERACT completes the environment simulation outside the cockpit.

ELEVATE PILOT TRAINING

FIDELITY & WORKLOAD

- ✔ **Higher Fidelity** Flight crews using INTERACT can be fully embedded with other traffic, delivering an unparalleled synthetic environment for enhanced training.
 - ✔ **Realistic Crew Workloads** Correct radio operation and ATC communications are necessary using INTERACT. Other traffic can deliver potential threats, additional complexity and distraction – contributing to higher, more realistic crew workloads.
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HUMAN PERFORMANCE

- ✔ **Scenario-based Training** INTERACT delivers a real-time simulation where operational challenges and threats from ATC and other traffic can be incorporated in to scenario-based training sessions, adding variation and realism.
 - ✔ **Non-technical Skills Training** More realistic, challenging scenarios support the exercise and development of non-technical skills (NTS), including crew resource management (CRM) and threat and error management (TEM).
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RADIO COMMUNICATIONS

- ✔ **Standard Phraseology** Good radio etiquette and phraseology can be assessed using INTERACT, with flight crews informed of their adherence to standards and best practice – supporting debriefing and effective learning.
- ✔ **English Language Proficiency** INTERACT can be used to support English language radio communications in the cockpit. This helps build competence and confidence for non-native English speakers, and can be used for objective assessment of accent and language proficiency.

INTERACT SUPPORTS THE DEVELOPMENT OF PILOT CORE COMPETENCIES



CHOOSE INTERACT FOR YOUR TRAINING

INTERACT is a truly dynamic and fully automated solution delivering the full training advantages, cost savings, and longer-term operational benefits that SATCE will bring to synthetic flight training.

With proven experience and expertise in ATC simulation, pilot training and simulator engineering, Quadrant Group is uniquely placed to deliver and support SATCE to pilot training organisations worldwide.

IMPROVE TRAINING EFFICIENCY



With the instructor no longer required to role play ATC, they are free to focus on flight crew observation and training – improving overall training efficiency.

INTERACT supports the competency-based training (CBT) approach underlying an increasing number of new licences and training programmes, such as the Multi-pilot Licence (MPL) and Evidence-Based Training (EBT).

- ✔ **Increased ROI** Using INTERACT helps training providers deliver modern, effective, scenario-based training programmes, delivering higher quality and more consistent, predictable outcomes.
- ✔ **Cost Savings** With higher realism delivered by INTERACT, operators can transfer a greater proportion of training from the aircraft to the simulator.
- ✔ **Operational Efficiency** Crew performance in key areas such as communications (clarity and efficiency), workload management, and situational awareness can be improved using INTERACT, delivering more efficient operations.

ENHANCE OPERATIONAL SAFETY

- ✔ **Pilot Resilience** More effective, realistic synthetic flight training using INTERACT can help build resilience, in turn helping to underpin flight safety for air carriers.
- ✔ **Evidence Based** INTERACT can support scenarios designed around data from line operations, focussing training on key areas that can enhance operational safety.

'We have involved our experienced flight instructors, cadets and graduates in the trial, using INTERACT in a high-fidelity fixed-base B737-800W FSTD. I am convinced that SATCE will become a commonplace technology in training devices. This technology leads the way forward in completing the simulated environment...'

Cpt Kyle Johnston
Training and Compliance Manager
Atlantic Flight Training Academy, Ireland

WATCH INTERACT IN TRAINING

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