

FLIGHT SIMULATION SOLUTIONS

Quadrant Simulation Systems Limited has more than 25 years' experience across the core areas of the Flight Simulation Industry.

Our team of Aerospace and Aviation engineers can support any simulator from any era with Updates, Relocations, Re-Hosting, Installations, Avionics, Aero/Engine Model Updates and Mechanical Structures.



'Independent - Quadrant Simulation Systems has experience in Flight Simulator Engineering and Technology'

FLIGHT SIMULATOR UPDATES

Throughout the life of the flight simulator there are numerous technological and regulatory changes/updates required for the flight simulator to maintain its training capability.

The technology for flight simulators is diverse and each update is unique with its own specific requirements. Quadrant offers design services covering all engineering disciplines including Systems, Software, Electrical and Mechanical Design.

Our team has practical experience in performing updates on simulators from each of the major OEMs and has continually demonstrated a firm commitment to ensuring the update is completed on schedule and to the customer's satisfaction.

Each update is assessed on a case-by-case basis and a design is produced that is tailored to the needs of the programme. The design is then implemented by our manufacturing and integration team.

Quadrant is able to offer update solutions to every system in the simulator including:

- ▶ UPRT
- ▶ Re – Host Solutions
- ▶ Avionics Updates (eg FMS, EGPWS, TCAS, Weather Radar)
- ▶ Full Flight Deck Upgrade
- ▶ Aero & Engine Model
- ▶ Qualification Test Guide
- ▶ IOS
- ▶ Visual System
- ▶ Motion System
- ▶ Control Loading System
- ▶ Aviation Authority Certification

FLIGHT SIMULATOR RELOCATION

As aircraft fleet evolve or pass to different operators, so the simulators associated with them often need to be relocated. Such complex, valuable devices require considerable skill and expertise to dismantle, pack, ship and re-assemble prior to commissioning and testing in order to achieve the necessary legislative certification prior to entering training at a new location.

Quadrant has the experience, capability, equipment and personnel to manage Flight Simulator relocations worldwide.

MILITARY UPDATES

The military simulation programmes are highly specialised and demand expert knowledge and substantial experience.

Our military simulation specialists have worked on simulator equipment including turbo prop aircraft, fast jets, heavy transports, helicopters, tanks & submarines. We have undertaken major projects for military authorities globally.

- ▶ Flight Deck Reconfigurations
- ▶ Visual System Replacements
- ▶ Global Positioning System Integrated Navigation System (GINS)
- ▶ Aerodynamic Upgrades
- ▶ AAR Training Capability
- ▶ Host Replacements
- ▶ Skywatch & TCAS installations
- ▶ Avionics & Updates Additions

FOR MORE INFORMATION CONTACT

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QUICK FACTS

- ▶ Independent – Quadrant Simulation Systems has experience in most types of legacy technologies and simulators
- ▶ Direct Access – you can speak directly with the engineering team
- ▶ Experienced Core Team – a core team of experienced and multidisciplinary engineers allows us to work from a competitive cost base while enabling us to be adaptable as technology or contract size dictates
- ▶ Customised Solutions – we approach every project/program with an open mind to implement solutions aligned to your technical and budgetary requirements
- ▶ Innovative Products – Over 25 years we have developed approaches and innovative products, including our patented Quadrant NUOLEUS™ universal integration interface to simplify and update processes

ABOUT QUADRANT SIMULATION SYSTEMS

Quadrant Simulation Systems operates Worldwide from offices in the UK and USA, delivering a comprehensive range of solutions tailored to the specific needs of the Civil Aviation, Defence and Security markets. Quadrant Simulation Systems Limited is part of Quadrant Group operating alongside other Group companies (Quadrant Simulation Systems Inc, Micro Nav, Global ATS and Quest Flight Training).