**QUAD CHART – RYAN AEROSPACE AUSTRALIA**

**PRODUCTS**

Established in 2005, Ryan Aerospace (Australia) specialises in the design, manufacture and through-life support of realistic, robust, accurate and cost-effective helicopter and fixed wing flight simulators for civil, military and emergency applications. We have recently capitalised on and leveraged Virtual Reality and Augmented / Mixed Reality technologies as well as 3D printing.

Some of our simulators are of higher fidelity and are endorsed and certified by the FAA (Federal Aviation Authority) in the United States so that hours in the simulator can count towards real helicopter hours.

**CAPABILITIES**

Flight simulator design and manufacture
CNC machining
Electronics integration
Software design and integration
Virtual Reality (VR) and Augmented / Mixed Reality (AR / MR) technologies
Metal Fabrication
3D scanning and printing

**DISCRIMINATORS**

Leveraging virtual reality and mixed reality technologies. Realistic flight controls. Small footprint. Lower cost. Modular and reconfigurable. Excellent backup and support. USB plug and play. Rapid development and deployment. Robust.

**KEY CUSTOMERS**

- US Army
- US Navy
- US Air Force
- US Marine Corp
- West Point Academy
- NASA
- Lockheed Martin
- British Royal Air Force
- Royal Australian Navy
- Australian Army
- Boeing Defence Australia
- Bell Helicopters (TRU Training & Simulation)
- Sikorsky
- Airbus Helicopters
- Indonesian Navy
- Singaporean Air Force
- FAA
- Selex Galileo (Selex ES – a Finmeccanica Company)
- CAE
- United States Helicopter Safety Team
- Embry Riddle Aeronautical University
- Saudi Arabian National Guard
- Saudi Arabian Air Force
- Saudi Arabian Aviation Centre of Excellence
- Saudi Arabian Air Force

**KEY PARTNERSHIPS**

Precision Flight Controls (USA)
Vertex Solutions (US Army / US Navy)
SAIC (US Army / US Navy)
Booz Allen Hamilton (US Army / US Navy)

**KEY PROJECTS in PAST THREE YEARS**

- Pilot Training Transformation (PTT) – US Air Force (approximately 260 fixed wing and rotary wing simulators)
- Aviator Training Next (ATN) – US Army (40 simulators for primary flight training at Fort Rucker, Alabama – the world's largest helicopter training facility.)
- Aviator Training Next (ATN) – US Navy (12 rotary wing simulators for primary flight training at Pensacola, Florida)
- AH-64E Apache Mixed Reality Concept Demonstrator – Australian Army (four Apache attack helicopter simulators with mixed reality)
- B-52 bomber air-to-air refueller – US Air Force
- Reconfigurable rear crew trainer – US Air Force
- US Air Force – 12 simulators for primary flight training at Fort Rucker, Alabama – the world's largest helicopter training facility.

**QUALITY ACCREDITATIONS AND AWARDS**

- 2022 – Military Simulation and Training Awards – Small Business of the Year – Finalist
- 2022 – Manufacturer of the Year – Australian Defence Industry Awards – Finalist
- 2022 – Export Business of the Year – Australian Defence Industry Awards – Finalist
- 2022 – SME (Small to Medium) Business of the Year – Australian Defence Industry Awards – Finalist
- 2022 – Entrepreneur of the Year (CHRIS RYAN) – Gold Coast Bulletin
- 2022 A22 AIRSPACE Awards – Excellence in Innovation Award – Finalist
- 2021 – Qld Premier's Export Awards – International Education and Training – Finalist
- 2021 – Qld Premier's Export Awards – Small business of the year – Finalist
- 2020 – Australian Defence Industry Awards – Innovator of the Year - Finalist
- 2020 – Australian Defence Industry Awards – Defence Innovator of the Year - Finalist
- 2020 – Australian Defence Industry Awards – Export Business of the Year - Finalist
- 2020 – Australian Defence Industry Awards – Manufacturer of the Year - Finalist
- 2020 – Military Simulation and Training Awards – Small Business of the Year – Winner
- 2020 – Military Simulation and Training Awards – Outstanding VR/AR/MR Application – Finalist
- 2019 – Australian Export Awards – Small Business of the Year – Finalist
- 2019 – Qld Premier's Export Awards – Defence Exporter of the year – Finalist
- 2019 – Qld Premier's Export Awards – Small business of the year – Winner
- 2019 – Military Simulation and Training Awards – Small Business of the Year – Hon mention
- 2019 – Military Simulation and Training Awards – Outstanding VR/AR/MR Application – Hon mention
- 2018 Australian Enterprise Awards – Best Helicopter Flight Simulator Supplier 2018
- 2017 Aviation Aerospace & Defence Awards – Winner – Best Helicopter Simulator Platform Development Company
- 2017 Aviation Aerospace & Defence Awards – Winner – Innovation Award for Rapid Prototyping
- 2014 PACE Zenith Manufacturing Awards – Finalist
- 2013 Premier's Australian Export Awards – Finalist
- 2013 Manufacturer of the Year – Manning Business Awards – Winner
- 2012 PACE Zenith Manufacturing Awards – Finalist
- 2011 Manning Business Awards - Business of the Year 2011 - Winner
- 2011 Manning Business Awards - Information, Comms and Technology category - Winner
- 2011 Zenith Manufacturing Awards - Automotive and Manufacturing - Finalist
- 2011 Endeavour Manufacturing Awards - Technology Application of the Year - Finalist
- 2011 Endeavour Manufacturing Awards - Industrial Product of the Year - Finalist
- 2010 Aviation Week Global Innovation Award - Finalist

**CONTACT DETAILS**

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