

UAV CLUB

AVIATION HIGH

UAV Club

Aviation High participates in the yearly UAV Outback Challenge with 3 teams of 8 students from various year levels across the school. This involves the students working in their teams to design, build, test and fly various aircraft to participate in the competition. Students gain skills in practical engineering, team work, communication and presenting and time management throughout the year.

Typically teams are expected to spend one afternoon a week after school to work on projects, however they will generally work most lunch times and most afternoons after school due to their enthusiasm and engagement in the project.

During the competition, held during the school holidays in September, students are able to meet and interact with like-minded students from other schools around Australia and Universities from all around the world.

This year, (2014) 28 teams were given a Go, with teams from Australia (15), USA (3), Canada (2), Colombia, Switzerland, India, France, Iran, Poland, Netherlands and Singapore.

The UAV Challenge – Outback Rescue

The UAV Challenge - Outback Rescue has been developed to promote UAV's significance to Australia. The UAV Challenge is a joint initiative between the Queensland Government, the Australian Research Centre for Aerospace Automation (ARCAA, a partnership between QUT and CSIRO), Aviation Development Australia Limited and AUVS-Australia - a prime example of government, industry and research organisations working together.

The creation of the UAV Challenge - Outback Rescue is a direct outcome from a workshop that Australian Research Centre for Aerospace Automation (ARCAA) conducted in 2005. The workshop was called the "The Future of UAVs - Challenges and Applications in the Asia Pacific Region".

At this workshop a group of aerospace industry leaders and UAV experts got together to develop a plan which would allow growth in the Australian civil UAV industry and raise awareness of the potential civilian applications.

Involved in the overall management of the Challenge are partners from the higher education sector, research and development sector, aerospace industry, Queensland Government agencies, and local Government councils.