

Other TLEF-funded Projects Currently Held by the Principal Applicant: N/A

Project Title:

UBC Aero Design (Heavy Lift)

Project Summary *(150 words maximum)*

The UBC Aero Design team designs, fabricates and flies a remote controlled aircraft capable of lifting the heaviest cargo weight possible in an international SAE (Society of Automotive Engineers) competition. The design of the airplane is very open-ended and allows us to be as creative as we want while still maintaining safety standards and staying within the boundaries of the competition requirements. Each year, university teams from all over the world compete in both the SAE Aero Design West and SAE Aero Design East competitions. This year, the UBC team plans to compete in the Western competition with hopes of improving on our 5th place performance last year and expanding on both the team's and UBC's reputation for excellence in engineering and design. A range of engineering skills are tested through the performance of the competition aircraft; a written technical report and an oral presentation are also required.