

Hybrid Air Vehicles (HAV) is a UK-based company behind Airlander™ – the future of zero-carbon aviation.

Company Story

- HAV has designed, built and test flown the world's first full-scale hybrid aircraft, named Airlander 10.
- Airlander 10 has applications across industries from security and defence through to luxury travel.
- The potential market for this new flight technology has been independently valued at \$46.1 billion (500+ aircraft) over a 20 year period by Renaissance Strategic Advisors, with the Airlander 10 accounting for over \$8 billion.
- Within the company's current sales pipeline there are 68 aircraft opportunities which are being worked on and a further 50 sales opportunities which have been identified. The company anticipates securing orders by mid-2020.

Technology

- The design of a hybrid aircraft, combining buoyant lift from helium with aerodynamic lift and vectored thrust, creates significant efficiency over conventional fixed and rotary wing aircraft.
- Airlander 10 uses between 1/4 and 1/3 as much fuel as other aircraft. The Company is currently working to develop an electric propulsion unit, in partnership with Collins Aerospace and the University of Nottingham.
- Airlander 10 has the ability to be airborne for 5 days at a time whilst carrying a mission payload of 3 tonnes. Airlander 10 has a maximum payload of 10 tonnes and a maximum range of 4,000 nautical miles.

Facts and Figures

- The company aims to sell 12 aircraft per annum. In 2025 the business model forecast revenue of £366m and EBITDA of £75m.
- HAV has been funded via a mix of governmental funds, debt, and equity totalling £114m, of which £22 million is equity. This includes both UK and EU grant funds of £7m.

Next Steps

Fundraising information will be provided on the day to investors.