



InfinitusAero



ZERO EMISSIONS. ZERO BOUNDARIES

Our story:

Infinitus Aero, formerly known as Bader Aero, is an Australian based company aviation business, commercially producing Australia's first electric light sport aircraft, the E22 Spark, for the flight training market. Infinitus Aero is revolutionising the way pilots learn and continue to fly, leading the way in sustainable, affordable, and zero-emission light aircraft. The South Australian based business has secured access to leading edge battery technology on the global market and have partnered with an Australian based battery integrator to configure the E22 Spark to be ready for test flights by early 2024. We are getting ready to take to the skies, with zero emissions, zero boundaries. Join us, as we embark on an exciting journey.

Our mission:

Infinitus Aero is committed to creating zero-emission fixed-wing aircraft that will have a planet positive impact on the environment and provide an affordable eco-alternative to existing aircraft. Our innovative flight technology platforms have helped us find astute ways of using globally emerging technology that will help build a cleaner aviation industry for everyone, everywhere.



Leading performance:

Rapid Turnaround

Quick-charge capability with leading edge battery technology



180m
Take off

Enhanced Safety

Optional ballistic parachute rescue system and airbags



300+ km
Max Range

Industry Leading Avionics

Full glass cockpit and ergonomic controls reduce pilot workload



80-120 kts
cruise

Powerful and Reliable

100+ kW Australian-made motors with stackable options for redundancy



600kg Max take
off weight

Extended Range

1 hour + 30 minutes reserve energy (Pilot + passenger)



100+ kw
motor

Effortless Maintenance

Modular motor and battery configurations allow rapid changeout of key components

** All specifications are preliminary and are subject to change during the prototyping phase.



Attainable luxury:

The E22 Spark boasts a 49" wide cabin and beautifully appointed leather seats, making the aircraft a dream to train or tour in.

The E22 is equipped with a full suite of immersive avionics, allowing the pilot to stay ahead of the aircraft at all times, significantly reducing pilot workload.



With an ergonomic centre stick and electronic throttle control, the aircraft promises a responsive and intuitive flying experience.

Depending on mission requirements, the E22 may be flown in a configuration for flight training or touring (pilot and passenger) or in an extended range ferry mode (single pilot with an additional battery).



Environmental and social governance commitments:

At Infinitus Aero, we promote environmental sustainability and social responsibility in all aspects of our business. We recognise that the aviation industry has a significant impact on the environment, and we are reducing our carbon footprint through the development and production of electric aircraft. We have a planet positive to all aspects of our business.

We create innovative solutions that enable a more sustainable future for aviation, while also addressing the needs of our customers and stakeholders. Our products are energy efficient, produce zero emissions and reduce noise pollution.



We are also committed to social responsibility and ethical business practices. We prioritise the safety and well-being of our employees and strive to create a diverse and inclusive workplace. We engage in fair labour practices and ensure that our suppliers meet our standards for responsible sourcing.

Finally, we are dedicated to transparency and accountability. We regularly monitor and assess our environmental and social impact, and continually improve our performance. We also engage with our stakeholders, including customers, investors, and the broader community, to understand their concerns and incorporate this into our decision-making.



At Infinitus Aero, we maintain that sustainable and responsible business practices are not only necessary for the health of our planet and society, but also essential for the long-term success of our company. Our vision is for zero emissions, zero boundaries.

The impact of Electric Aircraft

If 1% of the training fleet were powered by electricity, in a single year, we could offset 58,000 tonnes of CO₂e emissions.

This is equivalent to the emissions produced from powering 11,285 homes for a year.



E22 Aircraft CO₂e reduction

10-year Forecast of Pilots required

Airline Demand	219,000
Business Jet Demand	45,000
Total Demand	264,000

Source: CAE Pilot Demand Outlook 2020

Assumptions:

- Baseline aircraft = Cessna 172.
- Baseline aircraft hourly CO₂e emissions = 75kg per hour.
- Flight hours per pilot = 150. (Based on Part 142 integrated syllabus)
- Electric aircraft are charged utilising 100% renewable energy.

Climate impact over 10 years

Projected Market CO₂e Emissions

 **5.8m Tonnes**

(Based on 10-year demand forecast)

Projected CO₂e Emissions Per Student

 **21.8 Tonnes**

(Based on part 142 integrated training syllabus)

The people behind the passion:



Michael Monck - Chief Executive Officer

Michael co-founded Infinitus Aero to develop clean-energy aircraft, positioning Australia as a leading zero-emission developer. With 30+ years of experience, he advises the Federal Transport Minister and promotes diversity in the industry and also chairs the Board for Recreational Aviation Australia.



Barrie Rogers - Chief Commercial Officer

Barrie purchased a flight training school and imported the first certified electric aircraft into Australia to promote greener skies, breaking world records along the way. Managing regional airports and inventing machinery, he's passionate about aviation and technology's impact. Infinitus Aero is his platform for greener aviation using Australian talent.



Gus Wrethman - Chief Operating Officer

Gus, a passionate aviation professional, finds developing eco-friendly flight platforms with Infinitus Aero rewarding. Previously leading operations for a large Australian flight training organization and working globally in helicopter and airline leadership roles, he also mentors younger generations.



Sue Mulryan - Director

Sue has 28 years of banking experience and office management skills. She received awards during her time at Bank of NSW/Westpac and later worked at Matrix Group. Currently, she works as a Payroll Officer and HR Administrator at Adelaide Airport Ltd. Sue co-founded Infinitus Aero and acquired Australia's first electric aircraft with husband Barrie.



Dominic Hill - Chief Engineer

Dominic, is a seasoned aeronautical engineer and commercial professional who is passionate about aviation. He has developed aircraft designs, undertaken test flights, and held commercial roles at leading global technology and manufacturing companies. Dominic is excited to leverage Infinitus Aero's position in the untapped global market of electric aircraft to advance the local aviation industry.

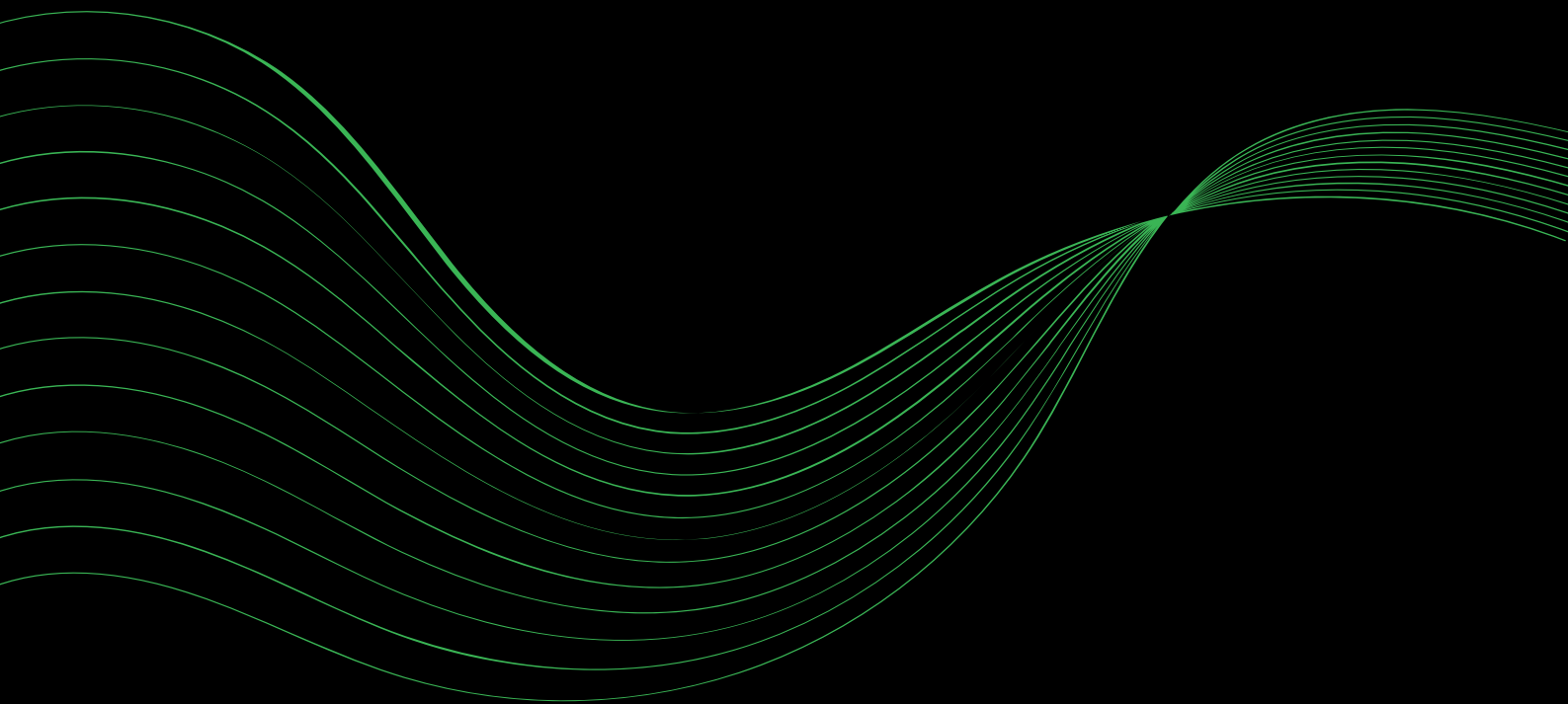


Diana Williams - Communications and Stakeholder Manager

Diana has over 20 years experience working in various roles within the media, events and communications. Her enthusiasm to work within a new industry and have a planet positive impact allows her to manage Infinitus Aero's communication, PR and stakeholder engagement areas.



InfinitusAero



Zero Emissions.
Zero Boundaries.

6 Coongie Avenue, Edwardstown, SA
1300 359 476 | Infinitus Aero