



Mr. Andrew Gibson

President & CEO,
Member of the Board of Directors,
Co-Founder

Mr. Gibson is currently President & CEO, Member of the Board, and Co-Founder of Empirical Systems Aerospace, Inc. He is responsible for overall business management, strategic direction, business development, customer facing actions, and contract management oversight of the 52 employee San Luis Obispo, CA based Aerospace Engineering Small Business.

He has 17 years of experience in the construction and management of design, technology demonstrator, prototype, design for manufacturing and manufacturing programs. He has 12 direct years of experience leading or supporting all of ESAero's All-Electric, Hybrid-Electric and Hybrid Electric Distributed Propulsion Programs, which all began with the ESAero ECO-150 (now ECO-150R) Turbo-Electric Distributed Propulsion Transport Aircraft.

Since co-founding ESAero in 2003, his work experience includes design, systems integration, and testing on a diverse number of programs. He was previously involved with ESTOL/CESTOL or other improved field performance aircraft since 2000, mainly with NASA Ames Research Center. This work culminated with 17 SBIR awards, 3 of which he was the Principal Investigator, and ALL of which are related to the design, development, methodologies, tools and analysis of TeDP or HEDP Air Vehicles. The SBIRs where he was not PI, he has been the overall Program Manager and Contract Officer. From these efforts, ESAero has been awarded 7 Phase II's and 3 Phase III contracts, all of which were the foundation to make ESAero the company it is today.

The most notable of these is the NASA X-57 "Maxwell", which was cultivated by Mr. Gibson in collaboration with the visionary people at NASA Armstrong and NASA Langley. ESAero/NASA's Maxwell will be the world's first distributed electric propulsion air vehicle and NASA's first manned X-Plane in 30 years. ESAero is the prime contractor on this unique \$28M IDIQ Phase III SBIR Contact effort to electrify aviation.

Mr. Gibson is a Subject Matter Expert on HEDP and TeDP systems for transformational and transport aircraft and participates in the NASA sponsored TeDP Workshops, NASA/AFRL "LEAPTECH", the Transformative Vertical Flight Workshop, and has been a panel member during innovative TeDP sessions at various AIAA and SAE conferences. He has been invited to submit papers both domestically and internationally to discuss and present ESAero's work in Hybrid Electric. He recently spoke on several AIAA Forum 360 Panels at AIAA Propulsion and Energy 2015, AVIATION 2017, SciTech 2018, AVIATION 2018, AVIATION 2019, Propulsion & Energy 2019, and SAE Aerotech 2019. He is a member of the AIAA V/STOL TC, is Technical Chair for the committee sponsored 2016 International Powered Lift Conference, Transformational Flight PC, and the Green Engineering PC, where he recently concluded 2 years as the Committee Chair. He received his Bachelor's Degree in Aerospace Engineering from California Polytechnic State University at San Luis Obispo.

Andrew Gibson's Bibliography:

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