

The Affordable

Electric Motor Glider



Tangent Aircraft Solutions Introduces the EMG-5

Rainbow Aviation Services has formed a new aircraft manufacturing company, Tangent Aircraft Solutions, aimed at the electric aircraft and the ultralight aviation community. Tangent Aircraft Solutions is an independent, collaborative organization with the mission to make flying affordable. Couple that with the new electric technology and a back-to-our-roots legal ultralight and we are really excited to announce our first electric aircraft project: the EMG-5.

The new project is featured at:
www.electricmotorglider.com

The website offers membership and aircraft plans for FREE. Bold claim- eh? We are boldly going

where no aircraft manufacturer has gone before. This program may be bold and new and exciting but it has a rich heritage too!

The EMG-5 project is a result of over 30 years in the aviation industry. After over ten years in the making and two years of intense technical development, the EMG-5 website has been launched.

The mission of Tangent Aircraft Solution is to help make aviation more affordable for a much larger portion of the population, not just in the US - but in the world. The EMG-5 website has already begun to share the wealth of information on the project and interested persons may log on, register, and begin following the project as it is posted almost daily.

Our vision is to put all of the information and plans on line for free allowing an individual to build their own EMG-5 – and build it from scratch if they choose to. Parts and materials will be available for purchase, however no purchase is required. A builder may choose to purchase parts, if they would like, or make their own parts- it is the builder's choice. The information for manufacturing parts will also be posted on line. We envision, around the world, individual and grassroots tinkerers are doing exactly that.

The EMG-5 website features the project's specs, a progress page for each month as the aircraft is built, drawings, resources, and information on the genesis of the project and other past projects.

EMG-5 Aircraft specifications:

- Length: 19'6"
- Wingspan: 36'0"
- Wing area: 105 ft.²
- Gross weight: 550 LBS.
- Empty weight 254 LBS.

The EMG-5 aircraft features a tricycle retractable landing gear. Twin 16 hp electric motors that articulate for a thrust vectoring. Two 6' Fowler flaps on each wing. Additionally, the wings can be folded alongside the fuselage for storage or transport. A fully enclosed cabin that will allow year-round operation. The aircraft is manufactured from 2024 -T3 aircraft aluminum and components are match drilled for ease of assembly. All compound curved fairings are manu-

factured from lightweight carbon fiber composite material. The aircraft features a tow release for Aero tow or ground tow launches.

For information about the EMG-5 project, visit
www.electricmotorglider.com

