



Palm Springs Parade of Planes



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WELCOME to the latest issue of Epic Aircraft News! The increasingly full parking lot is just one indicator of the accelerating levels of employment and activity at Epic these days.

On the E1000 certification front, static strength testing continues to proceed smoothly, further validating the integrity of the original Epic design, which has never experienced a structural issue on any of its 48 composite aircraft produced to date.

Flight test activities are progressing well, with ground vibration testing (GVT) complete, FT1 panel and interior installations underway, and the first conforming flight testing scheduled to begin this month.

Type Certification remains on schedule for 2016, with initial customer deliveries and Production Certification expected to follow shortly thereafter.

The 2015 Trade Show season concluded just before Thanksgiving with the NBAA Business Aviation Convention, held November 17-19 in Las Vegas. Looking ahead, the key dates for the 2016 show season are listed below:

- **Sun n Fun** (Lakeland, FL, April 5-10)
- **EAA AirVenture** (Oshkosh, WI, July 25-31)
- **Reno Air Races** (Reno, NV, Sept 14-18)
- **Epic Odyssey Fly-In** (Bend, OR, Sept 29-Oct 2)
- **Flying Aviation Expo** (Palm Springs, CA, Oct 13-15)
- **NBAA** (Orlando, FL, Nov 1-3)

E1000 CERTIFICATION UPDATE

Epic launched its certification program 3½ years ago, armed with an enthusiastic and committed staff of 35. The company now employs over 200 full-time professionals and owns two facilities, totaling over 300,000 square feet specifically designed for the production of composite aircraft.

The first major milestone in the Certification Process is achieving Type Certificate (TC) which confirms that the aircraft “design” complies with all FAA airworthiness

regulations. For composite aircraft, the process is especially rigorous. Not only are the aircraft parts and materials required to comply with all applicable FARs, but so must the processes used to build those parts and materials.

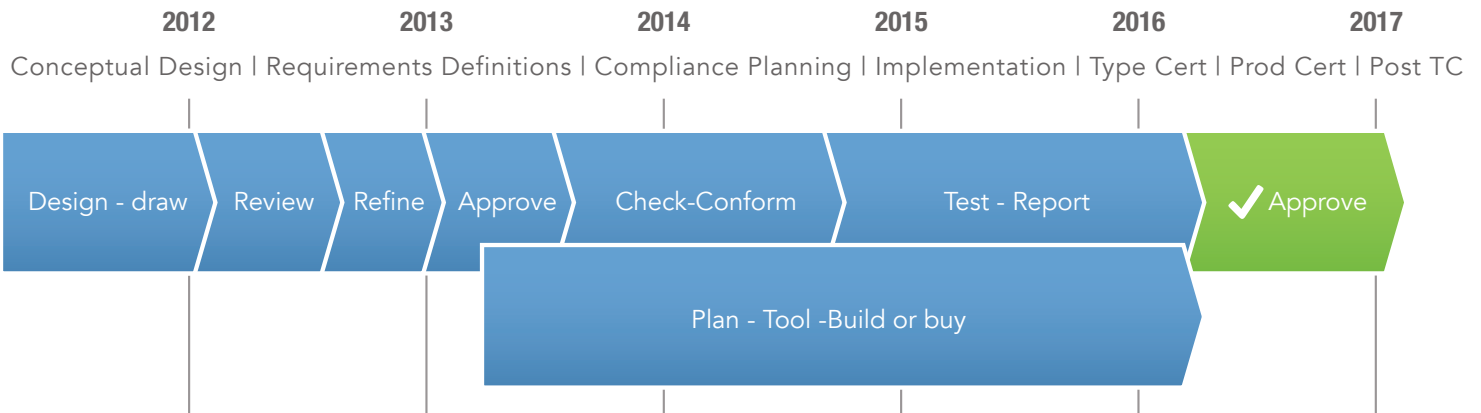
In addition, the FAA holds composite aircraft designs to a much higher standard of performance (~1.5X) than traditional metal aircraft. Each composite part and process is subject to a rigorous, highly-linear 13-step Test Article Proving process, as diagramed below:



Epic has uniquely adapted this process to overlap certain functions, thereby accomplishing multiple milestones in tandem, thus optimizing resources and accelerating timelines. Epic has five DERs (Designated Engineering Representatives) on staff, who are authorized by the FAA to approve engineering technical data, witness FAA compliance tests, and perform compliance inspections, all of which enhance the speed, efficiency, and integrity of the certification process.

In addition, Epic has on retainer leading international consultants specializing in quality management, lean manufacturing, and composite processes, and has partnered with the National Institute for Aviation Research (NIAR) to support its in-house Structural Test Lab and equivalency testing.

TYPE CERTIFICATION MILESTONES & TARGET CERTIFICATION SCHEDULE



Pressure testing the fuselage at 18 psi - no problem!

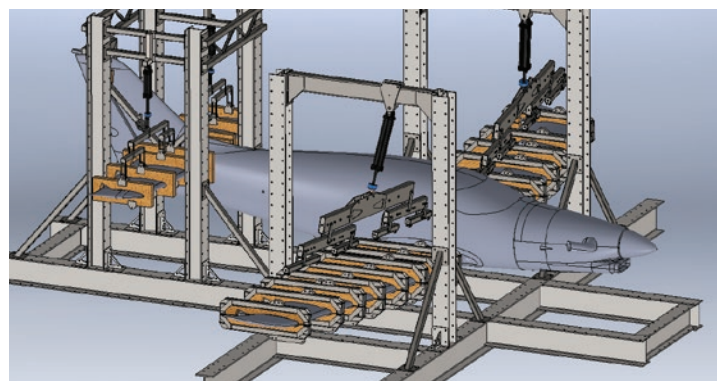


Diagram of the flight control load test rig

STRUCTURAL TESTING

Each new round of structural testing further validates the integrity of the original Epic design and reinforces the benefits of carbon fiber.

Static strength testing is fully underway, with FAA approvals of the aileron, flaps, and horizontal. Ground vibration testing (GVT) of FT1, along with main gear drop tests and seat dynamic testing, have also been completed.

Epic has conducted preliminary strength testing of the fuselage, easily surpassing the FAA's 18 psi requirement.

That is nearly three times the pressure for normal operations and equivalent to 20,000 of pressure on the door. Pretty impressive, especially when you consider the pressure differential from sea level to space is only 15 psi!

The elevator and rudder testing are nearing completion, with plans to begin wing strength testing soon. Full scale fatigue testing will begin in early 2016 to validate the airframe integrity over multiple simulated years of high-time flight operations.

BENEFITS OF CARBON FIBER TECHNOLOGY

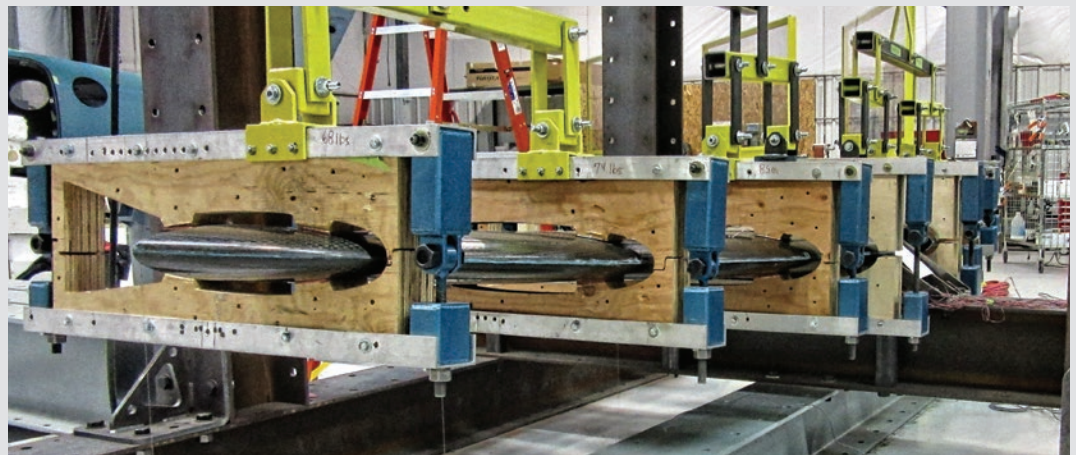
- High strength-to-weight ratio
- Visually attractive
- Fewer parts count
- Improved aerodynamics
- Better fatigue life
- Superior wear resistance
- Better acoustics
- Corrosion resistant
- Improved insulating properties



Structural test rig for fuselage and wing structural testing



Main gear drop test



Ultimate load test of the horizontal - two tons per side!



Attachment points for Ground Vibration Testing (GVT)



FT1 - the first conforming flight test article

FLIGHT TESTING

The first conforming flight test article (FT1) recently completed ground vibration testing (GVT), which identifies natural frequencies of the airplane for flutter prediction modeling. FT1 is expected to fly this month, with testing to be focused on aerodynamic performance, including:

- General handling qualities
- Operational performance
- Systems operations in normal mode
- Failure scenarios & extreme conditions
- Icing regulations (FIKI)

Production of the second conforming flight test article (FT2) is already underway. FT2 will reflect as close as possible the first production configuration of the aircraft, both in equipment and manufacturing processes.

FT2 testing will focus on interior and cabin systems, including fuel, hydraulic, avionics, navigational, and environmental systems. FT2 will also support future function and reliability (F&R) testing and serve as a catalyst for flight standards and training evaluations.



PRODUCTION CERTIFICATION

Once the FAA certifies a new aircraft design, the next challenge is achieving Production Certification (PC). Production Certification is achieved when the FAA verifies that all facilities, manufacturing processes and quality protocols will support production of the aircraft design to the same conforming standards every time. Until PC is finalized, an FAA inspector must personally inspect each aircraft that comes off the production line, significantly limiting the ability to ramp production volume.

Epic is currently restructuring its E1000 production line to fully integrate quality-optimized control systems throughout all phases of its manufacturing process. Epic is fortunate to have been selected by the FAA to participate in a pilot program that enables PC efforts to occur in tandem with Type Certification. This is a tremendous advantage, as the typical linear sequence requires TC as an absolute prerequisite to all PC-related activities.

In preparation for PC, Epic is expanding its clean room, adding a second oven and paint booth, building custom tooling to improve efficiency and quality, and investing heavily in computer based training, machinery and equipment.

Epic expects to achieve Production Certification by late 2016, with production ramp to begin immediately thereafter. The company eventually plans to build 50 Epic E1000s per year, with the potential to expand production volume as dictated by market demand.



Custom trim and drill tooling



E1000 final assembly stations



RENO SILVER!

It was only three years ago that Epic Chief Pilot, David Robinson, decided to add 'air racing' to his list of accomplishments. And this year, he brought home the gold. Actually, "silver" in the Sport Class Division at Reno. Flying a Lancair Legacy over 287 mph, David blazed past the competition, winning by less than a hundredth of a second! Awesome!

NOTABLE QUOTES

TBM Owner at Oshkosh:

"You know what you guys have in your booth that none of the other vendors have? Customers! That speaks volumes!"

Epic Demo Flight Review:

"I am speechless. I have never experienced anything like this. It exceeded all my expectations."

EPIC AIRCRAFT FLIES FASTER & FARTHER

While many aircraft manufacturers claim to fly faster and farther, this chart confirms the 'facts', presenting worldwide fleet data based on total actual flights over a three month period. Epic consistently outperforms both turboprops and jets, validating the benefits of its unique carbon fiber design. Epic Aircraft - Changing the Game.

COMPARING AVERAGE RANGE, FLIGHT TIME & SPEED (BASED ON ACTUAL FLEET FLIGHT DATA)

AIRCRAFT	BASE PRICE*	AVERAGE RANGE (NM/LEG)	AVERAGE FLIGHT TIME (MIN/LEG)	AVERAGE SPEED (NM/HOUR)
EPIC E1000	\$2.95M (Fully equipped)	459	99	280
PIPER MERIDIAN	\$2.2M	297	88	203
DAHER TBM 900	\$3.71M	437	105	250
PILATUS PC-12 NG	\$3.9M	322	87	223
BEECHCRAFT KING AIR 350i	\$7.4M	308	78	238
ECLIPSE 550	\$2.9M	365	74	278
CESSNA CITATION MUSTANG	\$3.2M	343	77	266
EMBRAER PHENOM 100	\$4.1M	355	74	287

* Base price is typically 80-85% of actual price, as items essential for aircraft operation are often offered as options. Flights during February - April, 2015. Source: ARGUS/TRAQpak via JetNetEvo & Flight Aware

OFFERING SUPERIOR PRICE, PAYLOAD, VERSATILITY, SHORT FIELD PERFORMANCE, OPERATING COSTS AND RAMP APPEAL. A TRUE 'NO COMPROMISES' AIRCRAFT.



DON'T MISS!

Epic Revival

CHECK OUT THE SEPTEMBER ISSUE OF PLANE & PILOT MAGAZINE

Download now at www.EpicAircraft.com under 'News & Media' News.

JOURNEYS VIDEO SERIES 'E1000 PERFECTION BY DESIGN'

Epic recently launched the first in a series of video installments, called 'Epic Journeys', chronicling the design, certification and production of the E1000 aircraft.

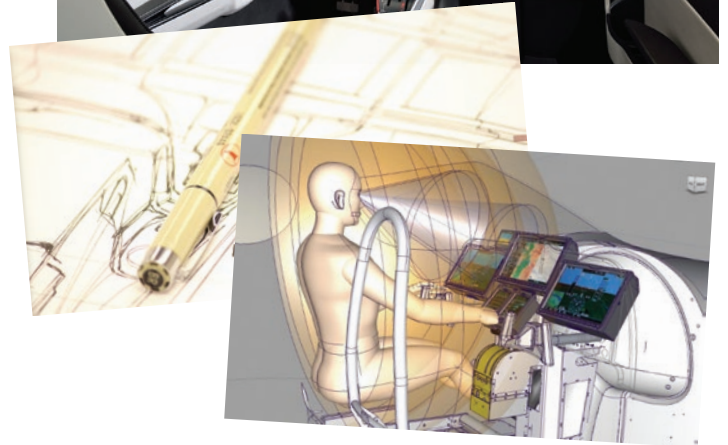
Installation one, entitled Perfection by Design, focuses on the company's decision three years ago to integrate industrial design as a core component of its aircraft development program.

"The E1000 has performance and payload that are already changing the industry. And we are adding to that an interior, ergonomics, safety, styling, comfort, attention to detail that will raise the bar across all aircraft," commented Industrial Designer, Jamie Klopp, an instrument-rated pilot who spent eight years in the auto industry before joining Epic.

Among the key E1000 flight deck design priorities were:

- Enhanced Yoke Design
- Consolidated Pilot Workflow
- Improved Critical Data Assimilation

"We are very proud of this result. We intended to make a statement about our commitment to design, and I think we achieved that goal," said Klopp.



Available now at www.EpicAircraft.com under 'News & Media' Videos.

EPIC AROUND THE WORLD TOUR

'Adventure of a Lifetime'

Don't miss this chance to be part of the 2016 Epic Around the World Tour! Join our group of interested Epic owners as we plan this adventure of a lifetime, scheduled to begin in mid-July and concluding in Oshkosh, Wisconsin, just in time for EAA AirVenture. This trip offers a truly spectacular opportunity to experience a unique aviation and cultural journey with fellow members of our Epic community.

Travel across the North Atlantic to Europe and Russia for 16 days with a flock of Epics, supported by a team of experts, led by renowned pilot, Pete Zaccagnino. Explore Canada, Greenland, Iceland, Britain, Italy, the Czech Republic, and Russia before returning via Alaska to the US, complete with first-class accommodations, customized sightseeing, unique activities, all documented by an award-winning director and film maker.

Fully-supported international flight management takes the risk and uncertainty out of navigation, flight planning, weather, customs, immigration, emergency procedures, and other crucial logistics. Interested in learning more? Contact Gale Evans at galee@epicaircraft.com or call 541-408-2450.



EPIC HOSTS 2ND ANNUAL ODYSSEY FLY-IN

Epic recently hosted its 2nd Annual Odyssey Owners & Pilots Fly-In in Bend, Oregon, welcoming 21 Epic LTs and over 80 attendees, representing 12 states and 8 countries. This was the largest gathering of the Epic fleet ever, including many longtime LT customers and a growing number of E1000 reservation holders!

The three-day event, featuring nationally renowned speakers, workshops, factory tours, and more, was a weekend of great company, great food, and great fun, further strengthening our growing Epic Aircraft community.

Sponsored by Pratt & Whitney Canada, Safe Flight, Millennium Aero, Garmin and Hartzell, this year's event was hosted at the 5-star Oxford Hotel in downtown Bend. Planning is already underway for next year's event, scheduled for September 29th - October 2nd, 2016.



ODYSSEY REVIEWS

"Thank you for taking the time, putting in the effort and creating an event that I will definitely attend yearly, because it was that good, that useful and that fun."

"Thanks for the professionalism, the training, the food, the wine, the fun, and early look at a start-up company of phenomenal people and a certified aircraft destined for greatness."

"I would like to thank your whole team for the wonderful days during our meeting in Bend. It motivated me even more to get the aircraft as soon as possible and it convinced us that it was the right choice."

"It was a wonderful Fly-In event. Everything was simply perfect... a great learning experience."



**Save
the
date**

**MARK YOUR
CALENDAR FOR
ODYSSEY 2016**

Sept 29th - Oct 2, 2016