

FROM AIRCRAFT ARCHITECTURE
TO COMMERCIAL OPERATIONS

THE WORLD'S LEADING eVTOL & AAM

TECHNICAL CONFERENCE AND EXHIBITION



17 NOVEMBER 2026



DOUBLETREE BY HILTON SAN JOSE
SAN JOSE • SILICON VALLEY • CALIFORNIA

ONE TECHNICAL CONFERENCE. THE FULL EVTOL ENGINEERING ECOSYSTEM



AIRCRAFT
ENGINEERING



PROPULSION
SYSTEMS



ENERGY STORAGE
& SYSTEMS



AVIONICS &
FLIGHT CONTROLS



CERTIFICATION
& SAFETY



MANUFACTURING
AT SCALE



SUPPLY CHAIN
READINESS

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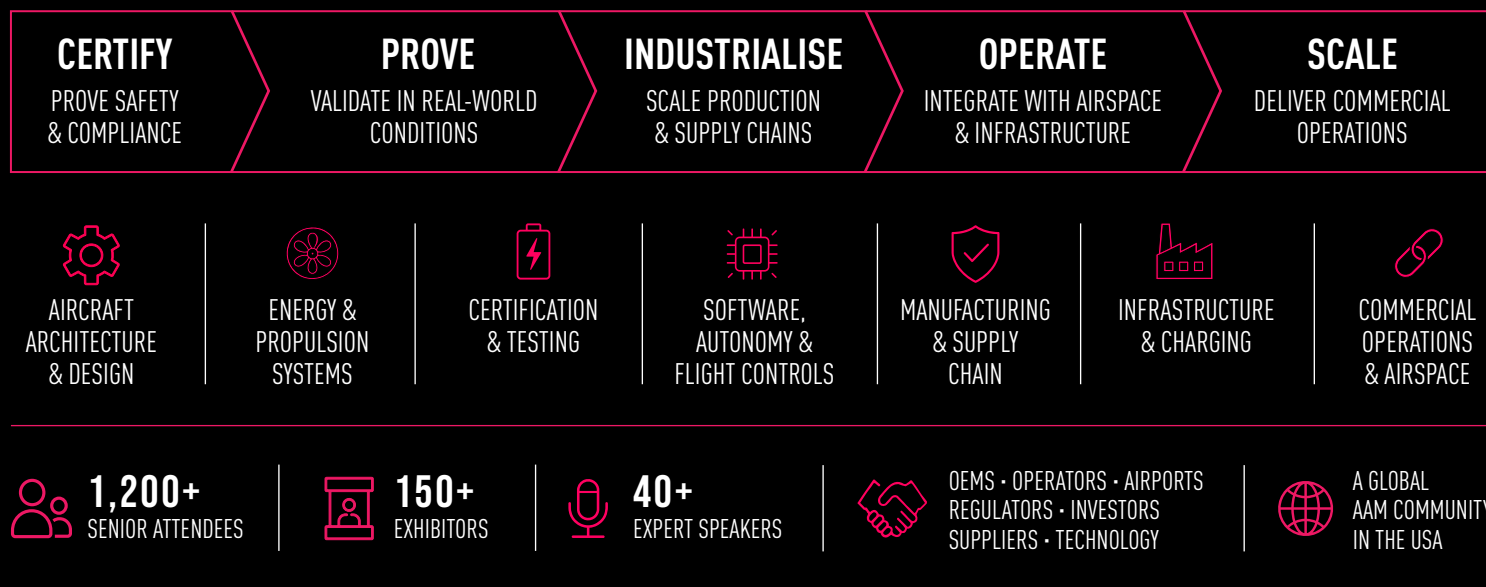


FROM CERTIFICATION TO SCALE

THE ENGINEERING CHALLENGES DEFINING eVTOL'S NEXT PHASE

The **eVTOL SHOW USA** brings together aircraft OEMs, regulators, operators and the complete engineering supply chain to solve the real challenges of taking eVTOL from design to certified, manufacturable and commercially viable operations

TECHNOLOGY.
PEOPLE.
SOLUTIONS.
REAL-WORLD
DEPLOYMENT.



WHY CALIFORNIA?

WHERE INNOVATION MEETS DEPLOYMENT

-  A global innovation hub for advanced air mobility
-  World-leading cities and airports
-  Supportive state initiatives
-  A real-world environment for testing and deployment
-  The ideal location to bring the AAM industry together

WHO YOU WILL MEET

-  Aircraft OEMs
-  Operators & Fleet Owners
-  Airports & Vertiport Developers
-  FAA, Regulators & State DOTs
-  Cities & Public Authorities
-  Infrastructure & Charging Providers
-  Technology & Systems Suppliers
-  Investors & Project Developers

KEY TOPICS INCLUDE

- ✓ Certification & flight testing
- ✓ Batteries, thermal management & HV systems
- ✓ Software, autonomy & digital twins
- ✓ Manufacturing, industrialisation & supply chain
- ✓ Vertiports, charging & energy infrastructure
- ✓ Airspace integration & automated operations
- ✓ Fleet operations, utilisation & business models
- ✓ Real-world deployments & lessons learned

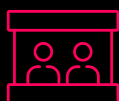


EXHIBIT AT THE eVTOL SHOW USA 2026

Meet OEMs, operators and the entire AAM supply chain. Generate leads. Build partnerships. Grow your business.

BECOME AN EXHIBITOR >

ATTEND THE CONFERENCE >

CONFERENCE TOPICS

FROM AIRCRAFT ARCHITECTURE TO COMMERCIAL OPERATIONS

TECHNOLOGY.
PEOPLE.
SOLUTIONS.
REAL-WORLD
DEPLOYMENT.

Our agenda is rigorously developed with leading eVTOL OEMs, operators, regulators and supply chain experts to address the most current and critical engineering challenges and key investment areas. Unlike generic AAM events, the eVTOL Show USA delivers a completely unique, engineering-led programme focused on real-world deployment. This is why it is **the most relevant and valuable eVTOL conference in the market.**



AIRCRAFT ARCHITECTURE & SYSTEMS ENGINEERING

Configuration, system architecture, integration, requirements, safety cases and aircraft-level trade-offs.



CERTIFICATION, MOC & COMPLIANCE EVIDENCE

Means of compliance, conformity, TIA, modelling credit, test evidence, closing findings and certification strategy.



BATTERY SYSTEMS, SAFETY & ENERGY DENSITY

Cell-to-pack performance, thermal propagation, containment, crash loads, SOC/SOH, cycle life and the 400 Wh/kg challenge.



THERMAL MANAGEMENT & HEAT REJECTION

Managing batteries, motors, inverters, avionics and charging across hover, cruise, hot-day operation and turnaround.



HIGH-VOLTAGE POWER SYSTEMS & DISTRIBUTION

800V-1kV+ architectures, insulation, partial discharge, arc faults, connectors, protection, EMI/EMC and fault isolation.



ELECTRIC & DISTRIBUTED PROPULSION

Motors, inverters, propulsors, DEP architectures, redundancy and maintaining control following propulsion failures.



FLIGHT CONTROLS, ACTUATION & FAULT TOLERANCE

Flight-critical actuation, sensing, redundancy, degraded modes, failure detection and continued safe flight and landing.



SOFTWARE, AVIONICS & DIGITAL CERTIFICATION

Safety-critical software/hardware, MBSE, HIL/SIL, verification, digital twins and how much physical testing simulation can remove.



AUTONOMOUS FLIGHT & SINGLE-PILOT OPERATIONS

The pathway from piloted operations through SVO toward increasingly autonomous aircraft and certifiable autonomy.



STRUCTURES, MATERIALS & WEIGHT REDUCTION

Structural substantiation, crashworthiness, qualification and the engineering trade between mass removal and certification.



TEST, VALIDATION & CERTIFICATION EVIDENCE

Ground rigs, iron birds, environmental testing, flight test, instrumentation and converting validation activity into acceptable evidence.



INDUSTRIALISATION & MANUFACTURING AT RATE

Moving from 10 aircraft to 1,000: design for rate, production automation, factory certification, quality and repeatability.



SUPPLY CHAIN & CERTIFIABLE PRODUCTION

Supplier qualification, configuration control, traceability, critical materials, magnets, electronics and production readiness.



CHARGING, ENERGY & VERTIPORT INFRASTRUCTURE

Charging interoperability, grid demand, turnaround, aircraft-to-infrastructure interfaces and scalable ground infrastructure.



COMMERCIAL OPERATIONS, AIRSPACE & SCALE

Fleet utilisation, dispatch reliability, automated airspace, all-weather operations, maintainability and moving from certification into routine revenue service.



8:20 Registration Opens

8:30 VOLOCOPTER

From Certification To Scale

The Engineering Priorities Shaping eVTOL's Next Phasen

David Bausek, CTO — Volocopter

Identifying the engineering dependencies between certification, production, aircraft reliability, infrastructure, and repeatable commercial operations.

8:50

Inside eIPP — The Regulatory Framework For Early Evtol Operations

Operational Authorisations, Safety Requirements, Airspace Integration & the Boundaries of the Programme

Jose Fierro, AAT eIPP Program Manager — Federal Aviation Administration (FAA)

Understanding what eIPP authorises, which certification and safety requirements remain, and how early operations could inform future regulatory approvals.

9:10

PANEL

From eIPP Demonstration To Repeatable Operations

What America's First AAM Operations Reveal About the Path to National Scale

Jose Fierro, AAT eIPP Program Manager — Federal Aviation Administration (FAA)

Matthew Maass, Director, UDOT Division of Aeronautics — Utah Department of Transportation

Matt Friedman, Chief, Office of Aviation Planning — California Department of Transportation

Mazdak Hobbi, Senior Director, Engineering and Certification — General Aviation Manufacturers Association

Brent Klavon, Chief Strategy Officer — ANRA Technologies

What must early AAM operations demonstrate to establish transferable safety evidence, standardised procedures and scalable national approval pathways?

9:40



Cooling Without The Weight Penalty

Engineering Battery & Power-Electronics Thermal Hardware for High-Power Electric Aircraft

Adrian Serna, VP Engineering — Daido Corporation of America

Reducing battery and power-electronics cooling weight while maintaining heat rejection, thermal reliability and manufacturability across demanding flight and charging cycles.

10:00



When An Actuator Fails

Maintaining Control Authority Through Fault-Tolerant Electric Actuation

Adam Bargh, Technical Director — Olsen Actuators

Preserving aircraft control authority when electric actuators jam, degrade or lose feedback — without excessive redundancy, weight or complexity.

10:15

Morning Networking Break



10:55



High-Voltage Architecture: 800v, 1kv And Beyond

Engineering the HV Electrical Architecture for Megawatt-Class eVTOL

GP Gopalakrishnan, Senior Director of Aerospace & Defense Strategy — Infineon Technologies

Balancing electrical efficiency and conductor mass against insulation, partial discharge, arc faults and fault-tolerant power distribution.

11:15

Amphenol

The HV Interconnect Problem

Managing Partial Discharge, Insulation & Connection Reliability as eVTOL Voltage Increases

David Amet, Business Development Manager — Amphenol

Maintaining insulation integrity, connection reliability and serviceability as aircraft voltage increases — without losing the mass and efficiency benefits.

11:35

LYNX

The Software-Defined Aircraft

Managing the Certification Burden of Increasing Software & Systems Complexity

Tim Reed, COE — Lynx Software Technologies

Managing software and systems complexity while maintaining certification evidence, fault containment and traceability through aircraft development, production and service.

11:55



The Weight vs Certification Problem

How Far Can We Optimise the eVTOL Structure Without Increasing the Substantiation Burden?

Brent Hall, Director of Engineering Services — Collier Aerospace

Removing structural mass without increasing the substantiation, qualification, manufacturing and inspection burden needed to certify the aircraft.

12:15



From Test Rig To Certification Evidence

How Do We Prove the Behaviour of Increasingly Integrated Electric Aircraft Systems?

Peter Blume, President — BLOOMY

Connecting simulation, hardware-in-the-loop, integrated testing and aircraft validation into traceable certification evidence for increasingly interconnected electric aircraft systems.

12:35

Lunch Sponsor Address

When Recovery Becomes The Last Line Of Defence

The Role and Limitations of Whole-Aircraft Parachute Recovery in Electric Aviation

Adrian Viña, Head of Engineering — Ballistic Recovery Systems, Inc.

Understanding the effectiveness, operating limitations and structural integration requirements of whole-aircraft parachute recovery in electric aviation

12:50

Luncheon

Lunch, networking and opportunities to connect with speakers, OEMs and technology partners.



13:35



How Many Kilograms Can We Take Out Of The Thermal System?

Take a Conventional eVTOL Thermal Architecture — Then Engineer Out the Weight

Bret Trimmer, Applications Engineering Manager — NeoGraf Solutions

Evaluating whether advanced graphite and heat-spreading materials can reduce cooling-system mass without compromising aircraft-level thermal performance or qualification.

13:55

fictiv

From Concept To Certifiable Hardware

The Manufacturing Bottleneck Defining eVTOL Development Timelines

Steve Ricketts, VP of Business Development — Fictiv Inc

Accelerating engineering design-to-hardware cycles while maintaining production-representative manufacturing, configuration control and certification readiness.



14:15



Can One Of The Last Highly Manual Aircraft Manufacturing Processes Be Automated?

Industrialising Electrical Wiring & Interconnect for eVTOL Production at Rate

Stephan Krause, New Business Development Director — Q5D

Replacing labour-intensive wiring processes with automated electrical integration while preserving insulation, inspectability, traceability and production conformity.

14:35



From Prototype Supplier To Certified Production

What Must Change When eVTOL Components Move From Development Aircraft to Production at Rate?

Armando Zanchetta, General Manager — NICOMATIC North America

Moving from flexible prototype manufacturing to qualified, traceable and repeatable component production without constraining aircraft manufacturing rates.

14:55



Your Aircraft Is Only As Certifiable As Your Supply Chain

Closing the Supplier Qualification & Production-Readiness Gap Before Rate Ramp

Jayaraj Rajapandian, Head of Aerospace & Defense — Tata Elxsi

Establishing supplier qualification, manufacturing control and traceability across multiple supply-chain tiers before production rates expose critical weaknesses.

15:15



The Magnet Materials Bottleneck

Can eVTOL Scale Without a Secure Supply of High-Performance Magnet Materials?

David Bushi, Senior Vice President of Manufacturing — USA Rare Earth

Securing qualified, consistent and traceable high-performance magnets for electric propulsion as aircraft manufacturing scales towards serial production.

16:35



Lighter — But Still Certifiable

Where Can Advanced Materials Remove Aircraft Mass Without Creating a New Qualification Problem?

Bret Neese, Director, Advanced Technology — Greene Tweed

Using advanced materials and part consolidation to reduce aircraft mass without creating disproportionate qualification, durability or manufacturing challenges.

16:00 Afternoon Networking Break

Refreshments, networking and meetings with the eVTOL engineering and supply-chain community.



12:20



The Self-Aware Aircraft

Interpreting Aircraft Health & Available Capability for Future Autonomous Operations

Loay Elbasyouni, Founder & CEO — AstraQua Inc.

Enabling autonomous aircraft to assess their own health, identify degraded capabilities and make safe mission decisions when operating conditions change.

16:50



From Piloted To Autonomous

Lessons from EHANG's Sandbox, Demonstration & Early Commercial Operations

Conor Yang, CFO — EHANG

What EHANG's sandbox trials, international demonstrations and early commercial operations reveal about ground supervision, infrastructure and repeatable pilotless flight.

17:10



The Energy System Behind The Aircraft

What Does It Actually Take to Electrify High-Utilisation eVTOL Operations?

Brett Oakleaf, Strategic Partnership Manager Innovation, Partnering, and Outreach (IPO) Group — National Laboratory of the Rockies (formerly known as NREL)

Engineering charging, grid capacity, energy storage and thermal conditioning around high-utilisation fleets rather than individual aircraft requirements.

17:30



Think Big, Start Small & Scale Fast — Accelerating the eVTOL Market

How Do You Build Infrastructure Now When You Don't Yet Know Exactly What Demand, Aircraft Utilisation Or Grid Requirements Will Look Like?

Panelists:

George Karayannis, Public Sector Segment Leader — Schneider Electric

Jason Hewitt, Managing Partner of Infrastructure — Sustainability Partners

Chip Snowden, SVP — Aviation Market Principal, Hanson

How can eVTOL infrastructure be developed in phases without creating stranded investments, grid limitations or barriers to future expansion?

18:40

PANEL

Aircraft Meets Infrastructure

The Critical Engineering Interface Between eVTOL Aircraft, Vertiports & Commercial Operations

Jose Fierro, AAT eIPP Program Manager — Federal Aviation Administration (FAA)

Edward Wanket, Director, Economic Outreach & Industry Relations — San Joaquin Partnership

Craig Teasdale, VP of Operations — Vertiports by Atlantic

Brent Klavon, Chief Strategy Officer — ANRA Technologies

Brett Oakleaf, Strategic Partnership Manager — National Laboratory of the Rockies

Matt Friedman, Chief, Office of Aviation Planning — California Department of Transportation

Aligning aircraft, vertiport and operational engineering requirements to deliver safe, repeatable turnarounds and commercially realistic fleet utilisation.s?

18:20



When The Weather Doesn't Cooperate

Engineering an All-Weather eVTOL for Commercially Reliable AAM Operations

Jason O'Neill, COO — Horizon Aircraft

Engineering reliable aircraft operations in adverse weather while balancing icing protection, IFR capability, thermal demands, payload and energy reserves.

18:40



Certifying The Aircraft Is Only The Beginning

What Does It Take to Move an eVTOL From Type Certification Into Commercial Operations?

Aaron Shelton, Supply Chain & Procurement Director — Volocopter

Turning type certification into operational readiness through production conformity, maintenance, training, reliability management and continued airworthiness.

19:00

Closing Remarks & All Attendee Food & Drinks Reception

Hosted by **Nidec Aerospace**



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POSITION YOUR COMPANY AT THE CENTRE OF eVTOL'S FUTURE

Join the leading eVTOL conference and exhibition in the USA. Our agenda is developed with OEMs, operators, regulators and supply chain experts to address the most current and critical engineering challenges and key investment areas. This ensures **unrivalled technical depth, unmatched relevance and direct access to the decision-makers** shaping the future of advanced air mobility.



1,200+

SENIOR ATTENDEES

OEMs, operators,
regulators, investors
and supply chain



150+

EXHIBITORS

Showcase your
technology, products
and services



40+

EXPERT SPEAKERS

Real-world insights
from industry leaders



HIGH-VALUE
MEETINGS

Build partnerships
and generate new
business



A GLOBAL
AAM COMMUNITY
IN THE USA

Be part of the
conversations
shaping the future

“

The eVTOL Show USA brings together the right people, with the right technical depth, at the right time. It's the most important event in the AAM calendar.”



SPONSOR

INCREASE YOUR VISIBILITY. LEAD THE CONVERSATION.

Sponsorship opportunities are designed to position your organisation as a thought leader and key enabler of the eVTOL industry.

- ✓ Speaking opportunities on the main agenda
- ✓ High-impact brand visibility across event marketing
- ✓ Sponsorship of networking breaks, VIP areas and more
- ✓ Access to senior OEM, operator and investor delegations
- ✓ Tailored packages to meet your business objectives

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EXHIBIT

SHOWCASE. CONNECT. GENERATE OPPORTUNITIES.

Exhibit at the eVTOL Show USA and put your technology, products and expertise directly in front of the industry's key decision-makers.

- ✓ Exhibition space in a premium location
- ✓ Meet OEMs, operators, regulators and investors
- ✓ Generate high-quality, sales-ready leads
- ✓ Showcase live products, demonstrations and innovations
- ✓ Networking with the entire eVTOL supply chain
- ✓ Inclusion in the official exhibitor directory

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SPONSORSHIP & EXHIBITION OPPORTUNITIES INCLUDE:

- Speaking opportunities
- Brand visibility
- Networking functions
- VIP access
- Tailored packages
- Dedicated support

**CONTACT OUR TEAM
TO DISCUSS THE RIGHT
OPPORTUNITY FOR
YOUR BUSINESS >**



**EARLY BIRD FOR GENERAL ADMISSION
ENDS 30TH SEPTEMBER — BOOK NOW!**



TECHNOLOGY.
PEOPLE.
SOLUTIONS.
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DEPLOYMENT.