



**LIFE ELEVATED**  
ESTABLISH YOUR FLIGHT PLAN

**2024 UTAH  
AERONAUTICS  
CONFERENCE**

MAY 20 - 22  
DAVIS CONFERENCE CENTER

# CLEAR FOR TAKE OFF



**Matt Maass**

Director

Utah Aeronautics Division

Dear Attendee,

I want to welcome you to the Utah Aeronautics Conference 2024. This premier event brings together hundreds of aviation professionals, including pilots, engineers, mechanics, planners and other industry leaders to improve safety, share best practices and foster collaboration.

With over three dozen breakout and training sessions to choose from, there is definitely something for everyone. In addition to our extensive program offering, the Utah Aeronautics Conference offers networking opportunities, immersive mobile tours, and hands-on displays from our exhibitors and partners.

Our theme for this year's event is Life Elevated: Establish your Flight Plan. What are your visions and aspirations for the aviation industry's future? Whether it's pioneering sustainable aviation practices, advancing technology for safer and more efficient air travel, or addressing critical aviation issues, you have an opportunity to define your unique

path in the aviation sky. By doing so, you play a vital role in collectively steering the aviation industry toward a brighter, more sustainable, and innovative future.

I wanted to personally thank the Utah Aeronautics Conference Steering Committee for their hard work, dedication and expertise in planning the event. Composed of leaders across the industry in Utah and Utah Aeronautics Division staff, the steering committee has provided invaluable input and support.

I also want to sincerely thank our event partners. We could not have done this without their support. We hope that you take the time to visit their booths to learn more about what they do and what they have to offer.

Lastly, I want to thank you for attending this important event. I look forward to meeting with you and collaborating on areas of shared priorities. It takes all of us working together to make Utah, Life Elevated.

# MEET THE CONFERENCE STEERING COMMITTEE

Welcome to the "Life Elevated" Aeronautics Conference! We, the Steering Committee, are excited to announce that this year's content has been curated to elevate your industry knowledge, foster collaboration, and inspire innovation. Prepare for an extraordinary journey into the heights of aeronautics.



**Adam Robertson**

CEO  
Fortem Technologies



**Ed McKenney**

President  
ORAA



**Amelia Wilden**

AMT Program Coordinator  
SUU



**Jared Esselman**

Vice President  
WSP



**Amy Monson**

Assistant Professor  
USU



**Jeff Hansen**

CEO  
Aircraft Services Utah



**Baron Wesemann**

Professor  
USU



**Michael Logan**

Aviation Logistics  
Coordinator  
USU



**Cal Coopmans**

Professor  
USU



**Rob Carroll**

47G  
Chief of Staff



**Chanel Flores**

Economic Development  
Director  
GOED



**Roy Evans II**

President  
UBCPA



**Dave Haymond**

CEO  
UGAA



**Shawn Milne**

Economic Development  
Director  
Cache County



**Dave Christensen**

Government Operations  
Director  
EPS



# CONFERENCE OVERVIEW

## MONDAY, MAY 20

12:00PM REGISTRATION & CAREER FAIR

1:30PM AOPA RUSTY PILOTS SEMINAR

4:00PM 47G INDUSTRY PANEL

6:00PM WELCOME RECEPTION AND  
OUTDOOR DISPLAYS

7:00PM VERTIPOINT DEMONSTRATION

## TUESDAY, MAY 21

8:00AM REGISTRATION AND BREAKFAST

8:45AM OPENING GENERAL SESSION  
AND KEYNOTE

10:00AM - 5:00 PM TRAINING AND  
BREAKOUT SESSIONS

2:15 - 5:00PM HILL AIR FORCE BASE  
MOBILE TOUR

## WEDNESDAY, MAY 22

8:00AM REGISTRATION AND BREAKFAST

8:45AM GENERAL SESSION AND KEYNOTE

10:00AM - 5:00PM TRAINING AND  
BREAKOUT SESSIONS

2:15 - 5:00PM HILL AEROSPACE MUSEUM  
MOBILE TOUR



# KEYNOTE SPEAKERS

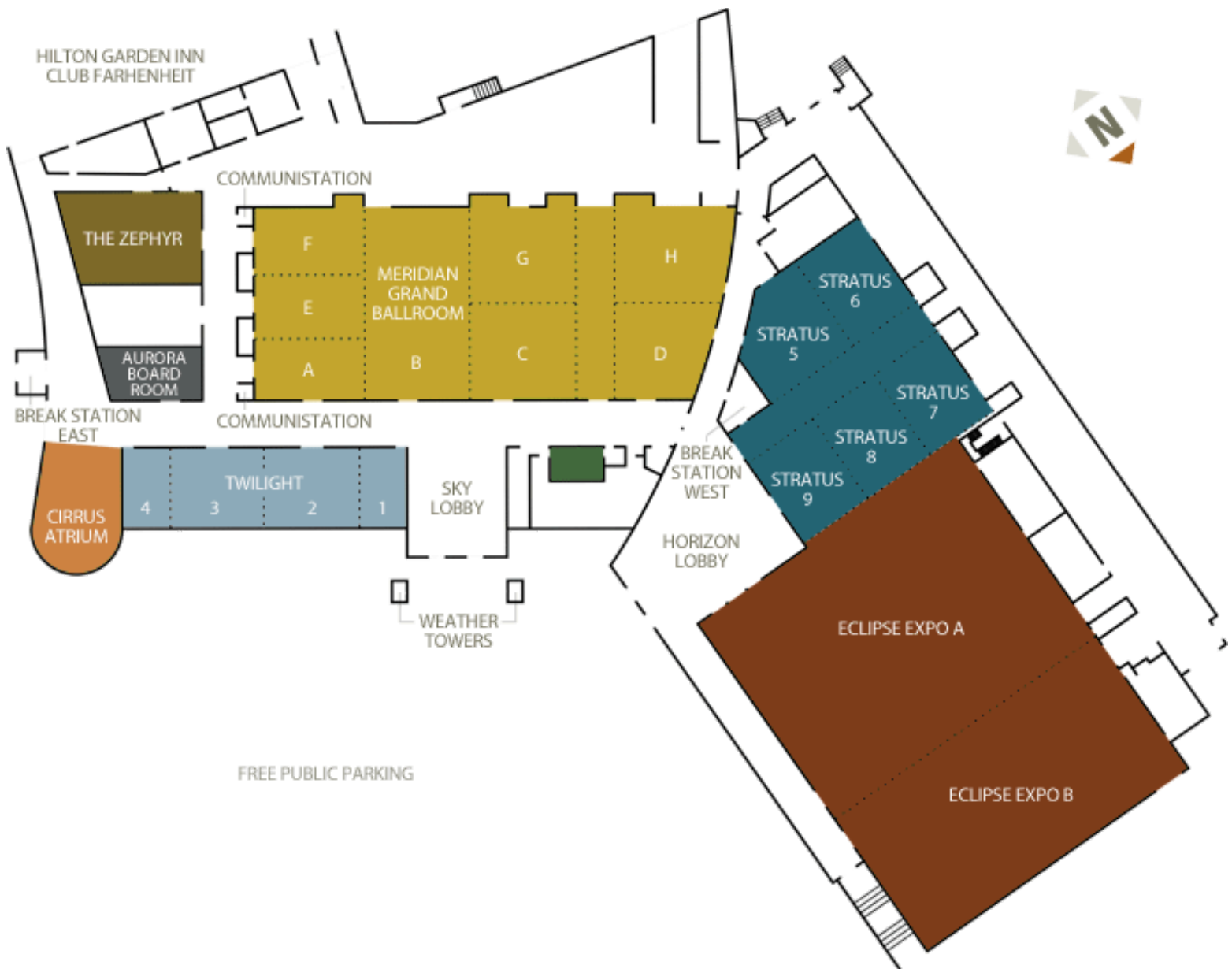


Chris Stewart, Chair of 47G, the premier aerospace, defense, and cyber ecosystem in Utah, advises on talent development, entrepreneurship funding, and innovation. A former Congressman and Air Force pilot with world speed records, he's also a best-selling author and previously led the Shipley Group. A Utah State University graduate, Chris and his wife, Evie, are parents to six children.

Brandon Fugal, an EY Entrepreneur of the Year, chairs Colliers International in Utah, leading in corporate real estate since 1991. Notable projects include Oahu's North Shore, Skinwalker Ranch, Evermore Park, and Thanksgiving Development. He serves on various boards, including Utah Aerospace & Defense Association, Junior Achievement, Thanksgiving Point, and Utah Symphony | Utah Opera.



# DAVIS CONFERENCE CENTER MAP





# MONDAY, MAY 20

8:00 a.m. - 4:00 p.m.

**Exhibitor Move In | ECLIPSE EXPO A/MERIDIAN GRAND BALLROOM**

12:00 p.m. - 8:00 p.m.

**Registration | SKY LOBBY**

12:00 p.m. - 5:00 p.m.

**Career Fair sponsored by 47G | MERIDIAN GRAND BALLROOM**

Interact with professionals across the industry to build your network and make meaningful connections in the aeronautics industry. Interactive activities will be available, such as drone flying, career map and resume building, headshot photo booth, and Q&A with Utah student ambassadors and 47G industry panelists.

1:30 p.m. - 5:00 p.m.

**AOPA Rusty Pilots Seminar | MERIDIAN DH**

Interested in returning to the skies? Participate in this Rusty Pilots program with fellow lapsed pilots! Instructor Yasmina Platt will help you understand what's changed in aviation since you last took the controls and brush up on your aviation knowledge.

6:00 p.m. - 8:00 p.m.

**Welcome Reception | CIRRUS ATRIUM**

Network and mingle with attendees, VIPs, and the Utah Aeronautics Division over a buffet-style dinner. Witness a groundbreaking mobile vertiport demonstration presented by UDOT and view a variety of large static displays, including a hot air balloon!

# TUESDAY, MAY 21

8:00 a.m. - 5:00 p.m.

**Registration | SKY LOBBY**

8:00 a.m. - 8:45 a.m.

**Breakfast & Exhibitor Networking | ECLIPSE EXPO A**

8:45 a.m. - 9:45 a.m.

**Opening General Session | ECLIPSE EXPO B**

The Utah Aeronautics Conference kicks off with a message from Matt Maass, Director of the Utah Division of Aeronautics, Welcome Remarks from UDOT Executive Director Carlos Braceras, Color Guard performed by the Civil Air Patrol, and National Anthem sung by Nora Miller with WSU.

9:45 a.m. - 10:00 a.m.

**Exhibitor Networking | ECLIPSE EXPO A**

10:00 a.m. - 11:00 a.m.

**Training & Break Out Sessions - Part 1 | SEE PAGE 9 FOR DETAILS**

11:00 a.m. - 11:30 a.m.

**Exhibitor Networking Break | ECLIPSE EXPO A**

11:30 am - 12:30 p.m.

**Training & Break Out Sessions - Part 2 | [SEE PAGE 10 FOR DETAILS](#)**

12:30 p.m. - 2:00 p.m.

**Lunch & Keynote Speaker | [ECLIPSE EXPO B](#)**

Chris Stewart, Chair of 47G, an aerospace, defense, and cyber ecosystem builder in Utah, is a former Congressman, managing partner at Skyline Capitol, and a record-setting Air Force pilot. An award-winning author and industry expert, Stewart's diverse background includes leadership in government affairs, energy consulting, and growing up on a dairy farm.

2:00 p.m. - 2:30 p.m.

**Exhibitor Networking Break | [ECLIPSE EXPO A](#)**

2:15 p.m. - 5:00 p.m.

**Hill Air Force Base Tour**

Come participate in the Hill AFB mobile tour! It is the second largest base by population and geographical size and is home to many operational and support missions. The tour will drive through the industrial part of the base with stops at the Air Logistics Complex, end at the air control tower with tour of the control tower simulator and possibly F-35 Lightning II takeoffs/landings. Don't miss out on this cool experience! \*Ticket admissions cost \$25.

\*Funds are being used to offset administrative costs to oversee and manage the tour.

2:30 p.m. - 3:30 p.m.

**Training & Break Out Sessions - Part 3 | [SEE PAGE 11 FOR DETAILS](#)**

3:30 p.m. - 4:00 p.m.

**Exhibitor Networking Break | [ECLIPSE EXPO A](#)**

4:00 p.m. - 5:00 p.m.

**Training & Break Out Sessions - Part 4 | [SEE PAGE 12 FOR DETAILS](#)**

5:00 p.m. - 9:00 p.m.

**Open Night**

Take the time to explore Davis County with industry colleagues! Visit [Discoverdavis.com/play-2](http://Discoverdavis.com/play-2) for more information.

8:00 a.m. - 5:00 p.m.

**Registration | [SKY LOBBY](#)**

8:00 a.m. - 8:45 a.m.

**Breakfast & Exhibitor Networking | [ECLIPSE EXPO A](#)**

8:45 a.m. - 9:45 a.m.

**Opening General Session & Keynote Speaker | [ECLIPSE EXPO B](#)**

The final day of the conference with kick off with a message from Matt Maass, Director of the Utah Division of Aeronautics, Welcome Remarks from Commissioner Bob Stevenson, and a presentation from Brandon Fugal regarding his experience and outlook on the aviation industry.



9:45 a.m. – 10:00 a.m.

**Exhibitor Networking Break | [ECLIPSE EXPO A](#)**

10:00 am – 11:00 a.m.

**Training & Break Out Sessions - Part 5 | [SEE PAGE 13 FOR DETAILS](#)**

11:00 a.m. – 11:30 a.m.

**Exhibitor Networking Break | [ECLIPSE EXPO A](#)**

11:30 am – 12:30 p.m.

**Training & Break Out Sessions - Part 6 | [SEE PAGE 14 FOR DETAILS](#)**

12:30 p.m. – 1:15 p.m.

**Lunch & Expert Panel | [ECLIPSE EXPO B](#)**

1:15 p.m. – 2:00 p.m.

**Lunch & Award Ceremony | [ECLIPSE EXPO B](#)**

The Utah Aeronautics Conference award program recognizes individuals, organizations, and partners who have made contributions to the aviation industry in the State of Utah. Help us congratulate five exceptional aviation partners as we highlight their exemplary work in the industry.

2:00 p.m. – 2:30 p.m.

**Exhibitor Networking Break | [ECLIPSE EXPO A](#)**

2:15 p.m. – 5:00 p.m.

**Hill Aerospace Museum Tour**

Go on a journey to the one and only Hill Aerospace Museum and view the newly-added Alexander Hall and L.S. Skaggs Gallery. This new gallery is a 91,000-square-foot hangar that provides more indoor space to better preserve the museum's outdoor aircraft and develop new exhibits. The museum exhibits more than 90 military aircraft, missiles, and aerospace vehicles on the grounds and thousands of artifacts depicting the history of aviation of the United States Air Force, Hill Air Force Base, and the State of Utah.

Don't miss out on this experience! Carpooling to and from the tour will be made available for those who do not have vehicles.

2:30 p.m. – 3:30 p.m.

**Training & Break Out Sessions - Part 3 | [SEE PAGE 15 FOR DETAILS](#)**

3:30 p.m. – 4:00 p.m.

**Exhibitor Networking Break | [ECLIPSE EXPO A](#)**

4:00 p.m. – 5:00 p.m.

**Training & Break Out Sessions - Part 4 | [SEE PAGE 16 FOR DETAILS](#)**

# TRAINING & BREAKOUT SESSIONS

TUESDAY, MAY 21 | 10:00 a.m. - 11:00 a.m.

## Engineer Training Part 1: Airport Engineering 101 | MERIDIAN B

Dane Hurst, Woolpert

Airport engineering refers to the planning, design, construction, and maintenance of the physical infrastructure (pavement, paint, lights, etc.) that constitutes an airfield. This training is designed as an introduction to the design standards and practices that literally shape an airfield. It is directed towards airport sponsors, pilots, non-airport engineers, or anyone else with an interest in better understanding the thought processes of an airport design engineer. Topics will include design standards and their basis, geometric design of airfields (horizontal shape of pavements, surface grades, and safety areas), and specialty designs (pavement sections, lighting, drainage, etc.). The training will conclude with an interactive case study to see how many technical and non-technical forces can influence the design and progression of airfield construction projects.

## Airport Manager Training Part 1: Airport Management 101 | MERIDIAN CG

Ryan Leick, UVU

This training is tailored to equip airport managers, board members, mayors, city managers, and other elected officials with the knowledge and tools needed to efficiently oversee airport operations, foster growth, and ensure a positive impact on the community.

## Pilot Training Part 1: Energy Management and Best Glide Speed | MERIDIAN DH

Rex Shoell, FAASTeams

When it comes to aerodynamics, it can help to think of energy like a savings account. Learn how to draw on the basics of flight to better manage situations. Topics will include the best glide and speed to fly when the engine goes quiet, energy management on the final approach, and performance management in high-density altitude situations. Join us for a practical discussion on how you might adjust your approach for better results in that emergency scenario!

## The Dirty Dozen Maintenance Human Factors | STRATUS 5/6

Richard Jeffs, FAA/SLC-FSDO

Due to a large number of maintenance-related aviation accidents and incidents that occurred in the late 1980s and early 1990s, Transport Canada identified twelve human factors that degrade people's ability to perform effectively and safely, which could lead to maintenance errors. These twelve factors, known as the "dirty dozen," were eventually adopted by the aviation industry as a straight forward means to discuss human error in maintenance. It is important to know the dirty dozen, how to recognize their symptoms, and most importantly, know how to avoid or contain errors produced by the dirty dozen. Understanding the interaction between organizational, work group, and individual factors that may lead to errors and accidents, AMTs can learn to prevent or manage them proactively in the future.

## Safety Standards in sUAS Operations | STRATUS 7/8/9

Douglas Spotted Eagle, Sundance Media Group

Ben Goddard, The LiDAR PROS

Many organizations have pilots with their 107 certifications, yet aren't practicing basic safety standards in accordance with FAA and/or ISO standards. Understanding these procedures reduces crashes, provides for lower insurance costs, espouses safety considerations for UAS on any survey or job site, and prevents injury on the job site, while simultaneously presenting the concept of an organization-wide safety culture. This course also discusses how to avoid common pitfalls in UAS programs.

# TRAINING & BREAKOUT SESSIONS

TUESDAY, MAY 21 | 11:30 a.m. - 12:30 p.m.

## Engineer Training Part 2: Human-Centered Design for Regular People | MERIDIAN B

**Dane Hurst**, Woolpert

All corners of the aviation industry are filled with exciting, complex, and unique challenges and opportunities. While most people do not think of themselves as “designers”, principles of design can help solve the most complicated problems any professional encounters. Design is the intersection of art and science. It is the creative practice of finding the best solutions when a formula alone will not suffice. The very best products you buy, experiences you immerse yourself in, and websites you browse have all been through a rigorous design process by trained professionals (stereotypically wearing black turtlenecks). This training will explore how to think like a traditional design professional to solve non-traditional design problems. Those design “problems” could be relationships to strengthen, conflicts to resolve, information to communicate, or workflows to optimize, let alone tangible products to share with consumers. With few exceptions, the most complicated problems we face are inherently centered around people. Principles of human-centered design keep people – clients, colleagues, the public, or even yourself – as the focus of the solution. Human-centered design is the gold standard for creative problem solving, and this training will empower you to use those principles in highly practical ways. No turtleneck required.

## Airport Manager Training Part 2: Airport Management 101 | MERIDIAN CG

**Ryan Leick**, UVU

This training is tailored to equip airport managers, board members, mayors, city managers, and other elected officials with the knowledge and tools needed to efficiently oversee airport operations, foster growth, and ensure a positive impact on the community.

## Pilot Training Part 2: Normalization of Deviation and Controlled Flight Into Terrain | MERIDIAN DH

**Jim Lipscomb**, FAA

Explaining how pilots are their own worst enemy. Because we are “wired” that way! Whether we fly the smallest of small or are NASA, our human errors are costly. So, how do we guard against ourselves?

## Owner Assisted Annual Inspection | STRATUS 5/6

**Steve Snyder**, Duncan Aviation

While not all owners want to assist in the maintenance of their aircraft, some do. Assisting with the annual can be a great way to learn more about what is happening under the cowl and become more familiar with your aircraft. While some IA's welcome it, others do not. Join us as we discuss the reasons we do annual inspections on our aircraft, the legal issues regarding the owner assisting the A&P/IA in performing the inspection. We will also discuss the pros and cons of assisting with the annual inspection and what you can expect as well as shop etiquette that should be followed should you choose to assist the IA in completing your annual.

## Drones: Maintenance + Regulations | STRATUS 7/8/9

**Josh Nattress**, Robotic Skies

Join us as we navigate through the intricacies of unmanned aircraft maintenance, we'll shed light on associated elements, and discuss the transformative effects of regulatory changes and the integration of Advanced Air Mobility maintenance into the unmanned aviation landscape. This presentation is a must-attend for industry professionals, regulators, and enthusiasts seeking a comprehensive perspective on the present and future of unmanned aviation maintenance.

# TRAINING & BREAKOUT SESSIONS

TUESDAY, MAY 21 | 2:30 p.m. - 3:30 p.m.

## Mechanic Training Part 1: Part 43 Regulations Course | MERIDIAN B

**Steve Snyder**, Duncan Aviation

During this session we will be discussing 14 CFR 43 Appendix A Paragraph C. We will be learning about and discussing what is considered preventive maintenance per the regs. We will discuss some of the most common preventive maintenance items that aircraft owners will most likely engage in. This is the first of a total of 4 sessions. During these sessions there will be both classroom as well as hands on training concerning some of the different aspects of preventative maintenance.

## Drone Training Part 1 | MERIDIAN CG

**Chris Grazioso**, Dart Drones

The DARTdrones Instructor, who is also the MassDOT Director of UAS Operations, will delve into various applications of drones for dozens of purposes including mapping and modeling and various inspections. We will focus on drone photogrammetry including instances when DOTs utilize photogrammetry, the selection of suitable sensors including LiDAR, the incorporation of RTK/PPK technology, the desired final data products, strategic planning of flight paths, and the optimal equipment for diverse use cases. Additionally, we will address the procedures involved in obtaining airspace authorizations, covering topics such as LAANC authorizations, Drone Zone authorization, and FAA waivers. Maintenance considerations for drones will also be a key topic of discussion. Finally, we'll conclude by examining the current landscape of drones and provide insights into upcoming developments in the field. After the presentation, the DARTdrones Instructor will lead participants outdoors for hands-on drone flying, technology exploration, and an opportunity to ask questions.

## Air Traffic Control Panel | MERIDIAN DH

**Randall Parkman**, SLC TRACON   **Eric Marsing**, SLC Airport   **Eric Holcomb**, SLC Airport

This session will provide attendees with an overview of air traffic control systems and how they impact the aviation industry. You can expect to learn about air traffic control services around Utah from controllers at the Salt Lake Tower, Salt Lake Approach/Departure, and Salt Lake Center.

## Expand Your Aviation Comfort Zone | STRATUS 5/6

**Brad Schuster**, AOPA

Pilots generally do not have accidents when in their "comfort zone", so it makes sense that we should train to expand that zone. Proficiency training in stall, spin and upset recovery techniques may help reduce loss of control accidents. We agree—but should we do something else first?

## Identifying & Mitigating Risk in UAV Operation | STRATUS 7/8/9

**Douglas Spotted Eagle**, SMG

Understanding risk is the first step in reducing accidents while operating a UAV. Mitigation of risk carries across all aspects of any UAV project, including operational hazards, safety, efficiency, and overall insurance cost reduction. Protecting your investment in equipment and personnel along with protecting your client is key to success. Using internationally recognized standards and recommended practices from International Civil Aviation Organization, International Standards Organization, Occupational Health & Safety, and global UAV best practices, this session will detail mechanisms, practices, and tools to help identify and minimize risk points in any sort of UAV operation whether corporate, enterprise, infrastructure, or agency.

This session details how to identify and mitigate risk in UAV operation and is taught by experienced UAV instructors trained by SGS HART Aviation in risk mitigation, a leading provider of aviation auditing services around the globe, providing confidence in the safe and efficient delivery of aviation operations.

# TRAINING & BREAKOUT SESSIONS

TUESDAY, MAY 21 | 4:00 p.m. – 5:00 p.m.

## Mechanic Training Part 2: Hands-on Maintenance Safety | MERIDIAN B

**Steve Snyder**, Duncan Aviation

This will be a continuation of part one. During this session we will be doing some hands-on training that will help you as an owner operator maintain your aircraft in a safe manner. We will be using information learned in Part 1, please attend Mechanic Training Part 1: Part 43 Regulations Course prior to this course.

## Drone Training Part 2 | MERIDIAN CG

**Chris Grazioso**, Dart Drones

The DARTdrones Instructor, who is also the MassDOT Director of UAS Operations, will delve into various applications of drones for dozens of purposes including mapping and modeling and various inspections. We will focus on drone photogrammetry including instances when DOTs utilize photogrammetry, the selection of suitable sensors including LiDAR, the incorporation of RTK/PPK technology, the desired final data products, strategic planning of flight paths, and the optimal equipment for diverse use cases. Additionally, we will address the procedures involved in obtaining airspace authorizations, covering topics such as LAANC authorizations, Drone Zone authorization, and FAA waivers. Maintenance considerations for drones will also be a key topic of discussion. Finally, we'll conclude by examining the current landscape of drones and provide insights into upcoming developments in the field. After the presentation, the DARTdrones Instructor will lead participants outdoors for hands-on drone flying, technology exploration, and an opportunity to ask questions.

## Skyward Visions: AAM Applications, Vertiport Planning & Urban Considerations | MERIDIAN DH

**Steven Derengowski**, InterVISTAS Consulting

**Brent Chamberlain**, USU

**Chay Mosqueda**, WFRC

Advanced Air Mobility (AAM) is an emerging segment of the aviation industry that will change how people travel in the future. Integrating AAM operations seamlessly into the existing airport landscape is a complex task. With several AAM manufacturers like Joby, Volocopter and Beta Technologies aiming for FAA certification in the next year or so, airports need an established plan to accommodate this new type of operation. The first step in accommodating this emerging technology is understanding its application as it has tremendous influence on where facilities need to be sited. This session aims to provide attendees with a comprehensive understanding of the application of AAM, tailored for all airport sizes and classifications. Attendees will gain an understanding of the initial planning steps that should be considered for incorporating AAM at their airports, the potential economic impacts of this emerging technology, how AAM can complement other modes of transportation, and how AAM can provide a sustainable and efficient air transportation system. Additionally, speakers will identify possible challenges and strategies for incorporating AAM for all airport sizes.

## Backcountry Flying | STRATUS 5/6

**Roy Evans II**, Utah Back Country Pilots Association

This is an introductory presentation on the exciting, challenging, and rewarding flight the backcountry in Utah offers.

## Building Your Career From the Ground UP | STRATUS 7/8/9

**Adora Taylor**, Northrop Grumman

This presentation is for the students and young professionals still wondering if aerospace is the path for them. You'll hear an account from the first black woman to pioneer the B-21 bomber and how she jumped into the industry at 18 years old. Get a headstart on positioning yourself for a successful career with helpful interviewing tips, negotiation dos and don'ts, and networking advice you can implement the moment you leave the room.

# TRAINING & BREAKOUT SESSIONS

WEDNESDAY, MAY 22 | 10:00 a.m. – 11:00 a.m.

## Engineer Training Part 3: Airport Drainage Engineering | MERIDIAN B

**Dane Hurst**, Woolpert

Proper stormwater drainage at airports has critical implications for safety of airport users, longevity of infrastructure, environment sustainability, and regulatory compliance. This training will examine several topics relevant to drainage engineering at airports. It will review basics of hydrology, hydraulics, underdrains, water quality, AIP funding, structural considerations, and standards & regulations. The content will be presented in an open-ended, audience-driven format to ensure the most relevant topics are discussed.

## Airport Manager Training Part 3: Airport Planning and Community Engagement | MERIDIAN CG

**Ryan Leick**, UVU

This training is tailored to equip airport managers, board members, mayors, city managers, and other elected officials with the knowledge and tools needed to efficiently oversee airport operations, foster growth, and ensure a positive impact on the community.

## Pilot Training Part 3: Use of Weather Information | MERIDIAN DH

**Baron Wesemann**, USU

TBD

## Engine Care and Maintenance | STRATUS 5/6

**Trevor Dietrich**, Lycoming Engines

This presentation will focus on best practices for operation, maintenance, and troubleshooting of Lycoming piston engines. Subjects will include Lycoming engine history, new products, ignition systems, lubrication systems, maintenance intervals, operating recommendations/ limitations, approved fuels, technical publications, followed by a Q&A session.

## Elevating Utah | STRATUS 7/8/9

**Stephen Cook**, Volante Aircraft

**Shaun Hill**, Hypercraft USA

**Michael Duke**, DBT Aero, Inc.

Volante is Utah's first and only Street Legal ATV / Experimental Aircraft, or AirCAR. Tail 777VA. Designed and built by the late Marine Colonel KP Rice. We invite you to come explore Utah's future as the mass production location for 4,000 units/yr. x \$250k each = \$1 Billion annual revenue (Unicorn) by 2031. We invite you to help pave the way for Utah's aerospace entrepreneurs to take flight blazing new trails on both the roads and in the sky, using combined air and ground vehicles.



# TRAINING & BREAKOUT SESSIONS

WEDNESDAY, MAY 22 | 11:30 a.m. - 12:30 p.m.

## Engineer Training Part 4 | MERIDIAN B

David Hartmann, Armstrong Consultants

Airport design, planning, and operational specialists often work with and for municipal staff not well-versed in airport needs, either day-to-day or long-term. This session will help bridge that gap.

## Airport Manager Training Part 4: Airport Planning and Community Engagement | MERIDIAN CG

Ryan Leick, UVU

This training is tailored to equip airport managers, board members, mayors, city managers, and other elected officials with the knowledge and tools needed to efficiently oversee airport operations, foster growth, and ensure a positive impact on the community.

## Pilot Training Part 4: Helping You Make Sure You Really Are Fit to Fly | MERIDIAN DH

Baron Wesemann, USU

TBD

## Interior Alterations: A Personal Touch for Beautifying Private Aircrafts | STRATUS 5/6

Brandon Crosby, Duncan Aviation

There are many ways to customize the interior of an Aircraft "ACFT". Whether it be installing a new entry and LAV floor with LVT or LVP materials, or even picking a custom dyed leather. There are many ways to make an ACFT have the customers personal touch.

## Hill Air Force Base Update | STRATUS 7/8/9

Maj. Jefferson Page, Hill AFB

This session will focus on the Hill Airforce Base and its role in the aviation industry. Attendees will learn about the base's history, current operations, and plans for the future.

# TRAINING & BREAKOUT SESSIONS

WEDNESDAY, MAY 22 | 2:30 p.m. - 3:30 p.m.

## **Mechanic Training Part 3: Hands-on Maintenance Safety | MERIDIAN B**

**Steve Snyder**, Duncan Aviation

This will be a continuation of part two. During this session we will be doing some hands-on training that will help you as an owner operator maintain your aircraft in a safe manner. We will be using information learned in Part 2 and building on that knowledge, please attend Mechanic Training Part 2: Hands-on Maintenance Safety

## **Drone Training Part 3: Opening a Whole New World | MERIDIAN CG**

**Shawn Barstow**, USU Aggies Drone Academy

Aggie Drone Academy will discuss drones as part of the world of aviation itself and discuss the importance of proper education when it comes to drones, proper training available, ideas on incorporating drones, and how drones lead the way in the path to the world of aviation.

## **UDOT Updates and Grants | MERIDIAN DH**

**Aeronautics Division**, UDOT

This session will provide attendees with a comprehensive overview of the latest developments in aviation safety and regulations covering topics like Utah's flight operations, the Advanced Air Mobility and Revitalization Grant and Education Grant, emergency management, BlackCat, engineering and pavement evaluations, and Utah aircraft registration. This session will be an excellent opportunity to learn about the latest initiatives aimed at promoting safer flight operations across the state of Utah.

## **Normalization of Deviance: Why Human Factors Could Be the Final Frontier for Accident Reduction | STRATUS 5/6**

**Brad Schuster**, AOPA

Around 69-percent of non-commercial general aviation accidents are related to some form of pilot (human) error. This has remained stubbornly constant for more than a decade, even despite stepwise increases in safety education, technology, and readily available resources.

We must therefore ask...based on current training, proficiency and knowledge, have we reached a natural "entitlement" plateau for the number of non-commercial GA accidents...or is there another factor that is holding us back from achieving the statistics enjoyed by other aviation sectors?

I propose that there is, and it is not some easy fix, but rather an understanding of human behaviors, not least being our tendency to "normalize deviance".

## **Disadvantaged Business Enterprise and Title VI Updates | STRATUS 7/8/9**

**Kimberly Silvester**, J-U-B Engineers, Inc.    **Jonathan Klein**, FAA Civil Rights    **Raymond Christy**, SLC Dept. of Airports

Part I - Title VI and General Aviation Airports

Part II - DBE Program Overview: Airports that receive more than \$250,000 in Federal funding in a year for construction projects are required to comply with Title 49 CFR Part 26 Disadvantaged Business Enterprise programs. We will briefly review DBE Program requirements, to include Program Plans, Goals and Annual Reporting as well as becoming a member of the Utah Unified Certification Program (UCP) and an update on Utah's new DBE directory and how to access it. We will also introduce how Airports can incorporate outreach events with DBE firms into your DBE programs.

Part III - Preparing for Change: We will present recent and upcoming changes to the DBE Program and requirements for Title VI programs and General Aviation Airports

# TRAINING & BREAKOUT SESSIONS

WEDNESDAY, MAY 22 | 4:00 p.m. - 5:00 p.m.

## Mechanic Training Part 4: Hands-on Maintenance Safety | MERIDIAN B

**Steve Snyder**, Duncan Aviation

This will be a continuation of part three. During this session we will be doing some hands-on training that will help you as an owner operator maintain your aircraft in a safe manner. We will be using information learned in Part 3 and building on that knowledge, please attend Mechanic Training Part 3: Hands-on Maintenance Safety.

## Drone Training Part 4: Opening a Whole New World | MERIDIAN CG

**Shawn Barstow**, USU Aggies Drone Academy

Aggie Drone Academy will discuss drones as part of the world of aviation itself and discuss the importance of proper education when it comes to drones, proper training available, ideas on incorporating drones, and how drones lead the way in the path to the world of aviation.

## Put the Brakes on Low Friction Runway Worries | MERIDIAN DH

**John Hunter**, Skidabrader Group

The subject revolves around runway safety related to low runway friction (medium to poor braking). The presentation details the pavement texturing process that recovers low friction on both rigid (cement) and flexible (asphalt) pavements. No airport, large or small, wants to deal with the safety concerns of low or low trending friction. We'll provide the basics about how runways (critical pavements) can lose friction along with a brief micro and macro texture explanation and provide the highlights of the inexpensive application process to recover the friction qualities back to the design standards. We'll discuss the FAA's awareness of a friction recovery treatment and specific Advisory Circulars that mention the texturing process, pavement candidates for a treatment, budget pricing, successful case study projects, and leave time for attendee questions and discussion. The presentation highlights the texturing process from an industry educational perspective and does not promote specific companies. Please let me know if I can provide further information.

## Flight Freedom | STRATUS 5/6

**Jared Essleman**, QwikFlights   **Larry Weitzman**, Aviation Consumer   **Cam Peterson**, Pilot

Every pilot dreams of owning an aircraft. But... it's expensive! Airplanes are expensive, insurance is expensive, hangars are expensive IF you can get them. And flight schools don't rent their aircraft like they used to. What are pilots to do? A flying club can be a worthwhile and valuable alternative to aircraft ownership and even aircraft rental. Could your flight plan include membership in one of Utah's flying clubs? Let's explore the possibilities.

## Drones Proliferation in Modern Warfare | STRATUS 7/8/9

**Adam Robertson**, Fortem Technologies

Drones are now an indispensable tool in modern warfare. From small hand held drones to large drones that can cross oceans, Uncrewed Aerial Systems or UAS, are used for more than just Intelligence Surveillance and Reconnaissance (ISR). UAS are now organic assets for individuals and small teams, and critical to staying alive and essential tools for targeting enemy tanks, vehicles, planes, personnel, and trenches. Learn about the drones being used by Russia, Hamas, Houthis, and N. Korea and what is being done to stop these threats.

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# CONNECT WITH AOPA AT THE 2024 UTAH AERONAUTICS CONFERENCE

MAY 20-22, 2024

Davis Conference Center  
Layton, UT



## MONDAY | 5.20.24

1:30 – 5:00 PM

Location: Meridian Ballrooms DH

*AOPA proudly presents:*

**AOPA Rusty Pilots Seminar**

*Sponsored by Axiom Aviation*

(immediately before conference welcome reception at 6PM)

## TUESDAY | 5.21.24

2:30 PM

Location: Stratus 5/6

**Breakout Series #3 | “Expand Your Aviation Comfort Zone”**

Brad Schuster, AOPA Northwest Mountain Regional Manager

## WEDNESDAY | 5.22.24

2:30 PM

Location: Stratus 7/8/9

**Breakout Series #7 | “Normalization of Deviance: Why Human Factors Could Be the Final Frontier for Accident Reduction”**

Brad Schuster, AOPA Northwest Mountain Regional Manager





*The River Tunnel* art installation by Gordon Huether

# EXPERIENCE THE NEW



Since opening its doors and gates to the world in 2020, everything about the Salt Lake International Airport is different – and better. The views, the technology, the efficiencies, the space – they’ve all helped make your new SLC Airport one of the most modern and beautiful there is.

And now there’s even more! More restaurants, more shops, more art installations, and more flights to more destinations. And when Phase 3 is completed in October of 2024, there will be a new Central Tunnel connecting the two concourses – allowing for shorter walking distances between gates.

With so much more to experience here, we invite you to arrive early, relax, and start enjoying your trip here, with us!

[slcairport.com](http://slcairport.com)

MORE FLIGHTS TO  
MORE DESTINATIONS



MORE SHOPS  
AND RESTAURANTS



CENTRAL TUNNEL  
TO CONCOURSE B




MORE GATES



**PHASE 3 GRAND OPENING:  
OCTOBER 22**





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FOCUSED STRATEGIC  
COMMUNICATIONS THAT  
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- PUBLIC RELATIONS
- PUBLIC INVOLVEMENT
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- STAKEHOLDER FACILITATION

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The SkyWest Pilot Pathway Program prepares a clear path for pilots to launch their career at SkyWest Airlines



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Become a SkyWest Pilot

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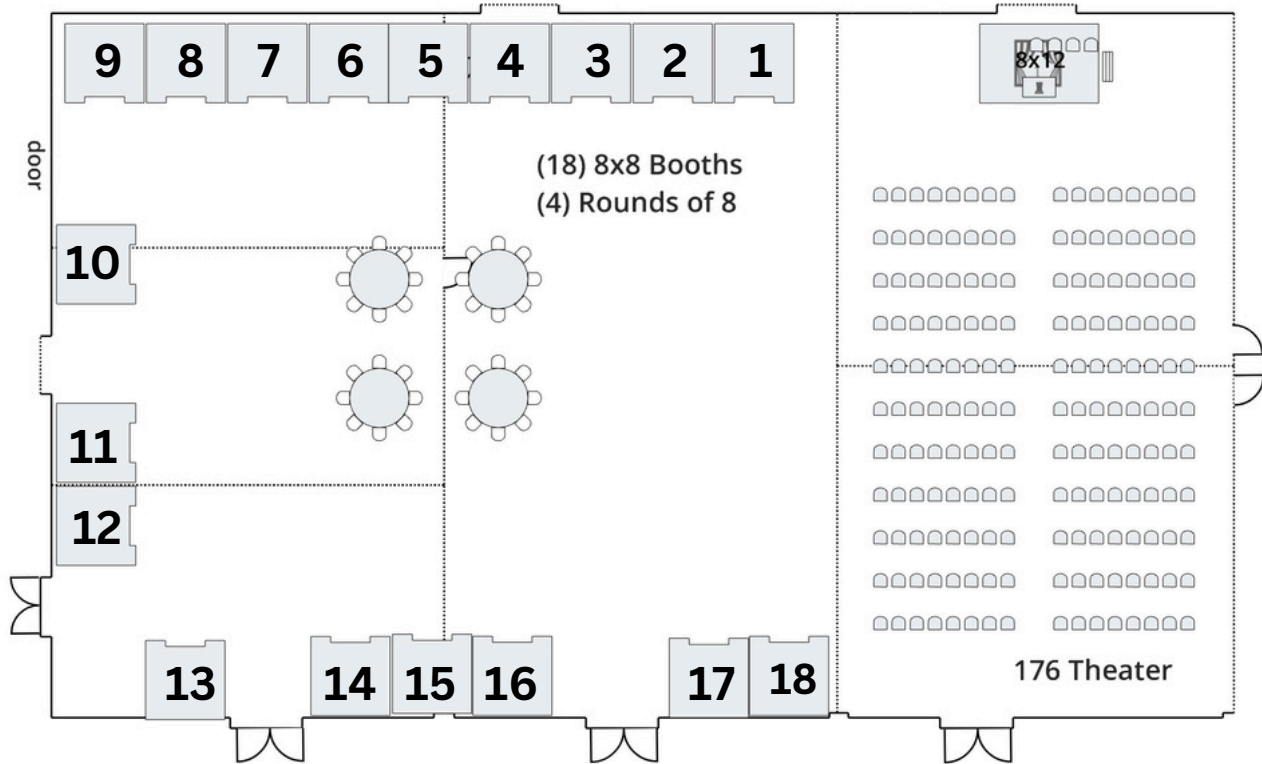
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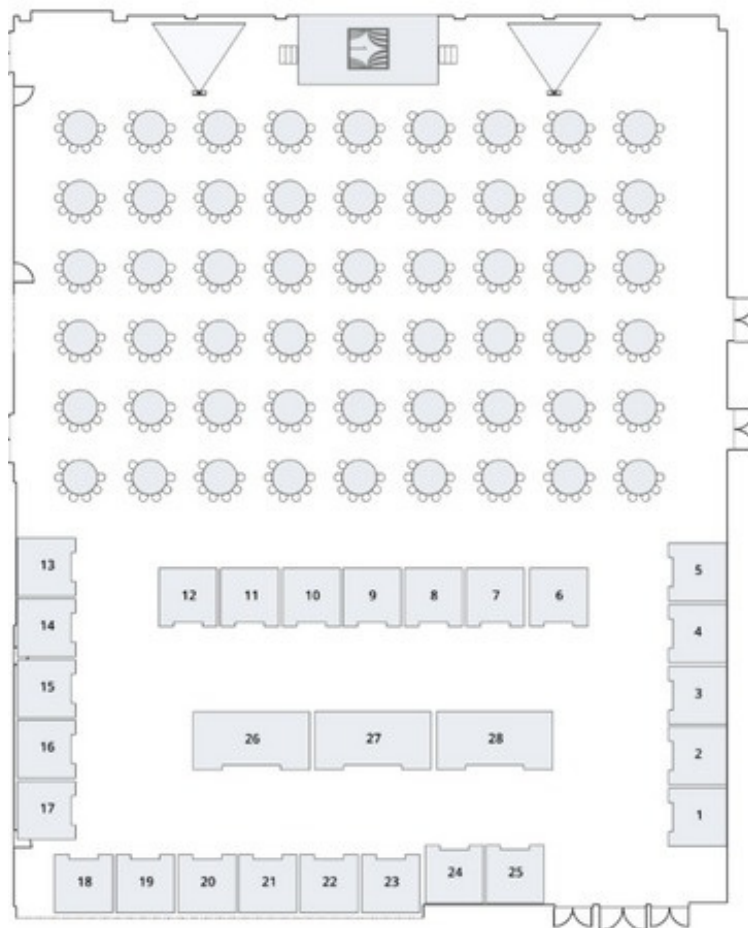
[www.skywest.com/Captain](http://www.skywest.com/Captain)

## UDOT Aeronautics Meridian AEFBCG - Day One



### Booth Key

- |                                |                                      |
|--------------------------------|--------------------------------------|
| 1. Pilot Makers                | 10. FAA/NATCA                        |
| 2. Skypark Airport             | 11. Utah Valley University           |
| 3. Utah State University       | 12. Nightline Air                    |
| 4. YouScience                  | 13. Southern Utah University         |
| 5. Aerotech Aviation           | 14. LSI                              |
| 6. HyPerComp Engineering, Inc. | 15. SkyShare                         |
| 7. Hill Air Force Base         | 16. AirMed, University of Utah       |
| 8. Salt lake Community College | 17. Life Flight                      |
| 9. Skywest Airlines            | 18. Utah Department of Public Safety |



## Exhibitor Key

- |   |   |
|---|---|
| 1. QwikFlights & Flying High Aviation   | 12. Salt Lake City Department of Airports |
| 2. Robotic Skies                        | 15. Horrocks                              |
| 3. Salt Lake Community College          | 16. Air Sew                               |
| 4. Utah Back Country Pilots Association | 19. THALES                                |
| 5. Wasatch Container                    | 21. Skydio, Inc.                          |
| 6. Civil Air Patrol                     | 23. Discover Davis                        |
| 7. Utah-MEP                             | 25. EP-Systems                            |
| 8. FAA/NATCA                            | 26. LSI                                   |
| 9. M-B Companies                        | 27. USU/Aggie Air/Mountain West AVUSI     |
| 10. All Weather Inc. and ADB SAFEGATE   | 28. SkyWest Airlines                      |
| 11. Axiom Aviation                      |   |



For over 50 years, the LSI team has been a trusted resource to small businesses, Fortune 500 companies, federal agencies, and state and municipal entities. From the simple to the complex, LSI provides a solution development framework that has become our hallmark.



47G is the world's premier ecosystem for aerospace, defense and cyber companies in Utah, with a mission to foster talent, fund entrepreneurship and fuel innovation. The 47G ecosystem comprises over 120 companies and 20 academic institutions working to solve critical national security challenges across three industry sectors.



With over 13,000 aviation professionals operating thousands of daily flights, SkyWest Airlines connects millions of passengers each month to hundreds of destinations across North America. SkyWest is the largest independently owned regional airline and operates in partnership with Delta Air Lines, United Airlines, American Airlines and Alaska Airlines. Headquartered in St. George, Utah, SkyWest's industry-leading team has consistently generated solid operational and economic performance, setting the standard for excellence in the regional industry.



Axiom Aviation is a Part 61 Flight School, Maintenance service center. The school was founded on principles of transparency and safety. The founders laid the mortar on which this world-class flight school was erected. The school offers programs for aspiring airline pilots and anyone seeking a Private Pilot's License.



EP Systems stands as the undisputed leader in providing high-power, scalable powertrains certified for electrified aviation. Our expertise lies in the exclusive development of energy storage systems, DC fast-charging stations, and electric propulsion products tailored for the aerospace industry.





X-Factor Strategic Communications is a full-service agency specializing in public involvement, public relations, strategic communications and event planning. We are known for our data-informed, community-based approach that puts people at the center of our work and produces tangible results for our clients. Let's just say we have that "X-Factor."



Skydio is the leading American drone company known for its advanced autonomous flying technology. Their drones utilize AI to navigate complex environments, avoiding obstacles while capturing high-quality footage. Skydio's products cater to various industries, from infrastructure to public safety, automating aerial situational awareness and inspection tasks with unparalleled ease and precision.



The mission of the Salt Lake City Department of Airports is to develop and manage a system of airports, owned by Salt Lake City, which provides quality transportation facilities and services to optimize convenience, safety and efficiency for aviation customers. The vision is to achieve excellence and unprecedented customer service in making Salt Lake City among the most convenient and efficient air transportation centers in the world.



Thales Airspace Mobility Solutions, Americas, oversees navigation and non-radar surveillance, surface radar systems, and air traffic control and digital aviation solutions; part of a global business line addressing the challenges of evolving airspace solutions for traditional users and the emerging UAS/advanced air mobility (AAM) community. Visit [www.thalesgroup.com](http://www.thalesgroup.com)



At Horrocks, we offer a comprehensive range of services from planning and design through construction management. For projects of any size, we work closely with our clients to understand their unique needs so we can deliver innovative solutions on time, within budget, and to the highest quality standards. Whether it is roadway design or public engagement services, our teams have the knowledge and experience to deliver exceptional results.





J-U-B ENGINEERS, Inc. is a full-service civil engineering and planning firm. Our Aviation Services Group provides innovative solutions to Regional and General Aviation Airports throughout the Northwest and Intermountain West. J-U-B's 400+ employees, includes 35+ highly experienced aviation professionals that provide a wide array of airport planning, design, environmental, equipment procurement, and construction management services. J-U-B's focus is helping each other create better communities.



Since 1999, Aircraft Services, LLC has been managing aircraft for companies and individuals in the Intermountain West. Managing the aircraft includes all maintenance, accounting and operational organization on behalf of the aircraft owner. The expectation is that Aircraft Services will handle all the needs of scheduling and keeping the aircraft airworthy. This allows the passengers and aircraft owners to focus on travel, not the business of traveling.



Northern Utah Economic Alliance (NUEA) is a joint venture of Davis and Weber Counties, the two-most populated counties in northern Utah, formed to give them a stronger voice in the state's economic development. With our shared demographics, a unified voice made sense, not only for local civic and business leaders, but for site selectors and companies looking to relocate to Utah. NUEA is dedicated to quality job growth and increased capital investment in northern Utah.



The Aircraft Owners and Pilots Association (AOPA) is the world's largest aviation community, with more than 300,000 members worldwide. We protect our members' freedom to fly, fight every day to keep General Aviation accessible to all, and ensure that the skies remain within reach of everyone who dreams of flying.



WSP is one of the world's leading engineering and professional services firms. Serving Utah for nearly 40 years, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP designs lasting solutions in the buildings, transportation, energy, water and environment markets. WSP partners with our clients to help communities prosper.



HyPerComp Engineering is a world leader in design, analysis, qualification, and production of light-weight composite pressure vessels for aerospace applications. Our products are used in launch vehicles, space vehicles, hydrogen powered aircraft, and many other exciting platforms. We are a small, tight-knit company with about 25 employees.



SMG serves as a consultant within the sUAS industry, offering training and speaking engagements on a variety of UA topics. Partnered with The LiDAR PROs for all things Photogrammetry and LiDAR.



All Weather Inc. (AWI), part of ADB SAFEGATE, is a leading developer of highly accurate, highly dependable aviation technology solutions that help our customers minimize risks in an unpredictable world.

AWI combines state-of-the-art air traffic integration and surface weather measurement technology with flexible system design and comprehensive project management. Offerings include aviation weather systems, air traffic control systems, custom system engineering, and a wide range of precision meteorological sensors and systems.



**Governor's Office of  
Economic Opportunity**

The office supports Utah entrepreneurs and businesses. We work to retain and recruit companies and bring more high-paying jobs to Utah. In addition, we work with industries, Utah regions, communities, and nonprofits to implement strategic economic development plans and reinforce Utah's already diverse, prosperous economy.



Wasatch Container is a family-owned business specializing in custom packaging solutions for various industries. Whether you need corrugated boxes, foam, crates, or cases, Wasatch Container can design and manufacture them to your specifications. With over 25 years of experience, it's Utah's leading packaging company.



The Utah-MEP is a team of manufacturing experts commissioned to help manufacturers improve. With over 1,400 consultants across the MEP Network and the US Department of Commerce backing, we provide personalized implementation and training based on what you want to improve.



Salt Lake Technical College  
SALT LAKE COMMUNITY COLLEGE

The School of Technical & Professional Specialties provides degree options as part of both education and career pathways. Many students move seamless from technical education programs to careers or degree programs or both! The School also provides professional training for either career changes or advancements.



The Federal Aviation Administration air traffic controllers, represented by the National Air Traffic Controllers Association, are responsible for the safe and efficient movement of aircraft within the National Airspace System. Their primary duty is to prevent a collision between aircraft operating within the system. This is achieved by balancing routine traffic along with emergencies, weather, military and various other special operations.



Nightline Air is a flight school based at the South Valley Regional Airport. We provide aircraft rentals, FAA simulators, and pilot shops.



**CIVIL AIR PATROL**  
U.S. AIR FORCE AUXILIARY

As a Total Force partner and auxiliary of the U.S. Air Force, Civil Air Patrol is there to search for and find the lost, provide comfort in times of disaster and work to keep the homeland safe. Its more than 64,000 members selflessly devote their time, energy, and expertise toward the well-being of their communities while also promoting aviation and related fields through aerospace/STEM education and helping shape future leaders through CAP's cadet program.



Skypark Airport is a public airport located in Davis County. We offer comprehensive FBO services and competitive pricing for a top-notch experience.



Pilot Makers Advanced Flight Academy, located in Provo, Utah, is your gateway to superior aviation training. We offer a transformative journey through the skies, covering every aspect of aviation from private pilot to certified flight instructor. Our comprehensive programs utilize a fleet that includes Piper Archer II aircraft and specialized planes like the Super Decathlon and Extra 300L. What sets us apart is our focus on safety, instilling not just technical skills but also confidence in our students. Join us at Pilot Makers and embark on a flight training experience that shapes you into a skilled and confident aviator.



YouScience® is the leading technology provider dedicated to solving the skills gap crisis for students and employers. Its end-to-end platform, YouScience® Brightpath, connects education with career applications designed to help students unlock their potential for future pathways. YouScience leverages proven research, artificial intelligence, and industry input to help individuals identify their natural talents, validate their skills and knowledge, and get matched with real-world educational and career pathways in high-demand occupations. YouScience is the preferred choice of individuals, parents, educators, and counselors to guide and support educational and career pathways, currently serving more than 7,000 educational institutions and more than two million users.



Aerotech Aviation provides unparalleled flight training, offering exceptional value for aspiring pilots. Whether pursuing a Private Pilot's License, Instrument Rating, Commercial License, or CFI, students benefit from expert instruction by seasoned flight instructors with extensive real-world experience.



MB Airport Maintenance Products offers snow and ice removal equipment for clearing and maintaining airport pavement, runways, and ramps. Products include plows, blowers, brooms, multitasking and deicing equipment, as well as truck-mounted sweepers. Airports trust MB for innovative, dependable equipment solutions, as well as superior aftersales training, parts and service. MB is a brand of Aebi Schmidt Group.



SKYSHARE

SkyShare custom fits private jet solutions from fractional ownership to private jet charter, aircraft management, brokerage sales, and FBO locations. With the most dynamic fleet in the Western U.S., SkyShare empowers entrepreneurs and businesses to save time, create epic experiences, and grow their businesses simultaneously.



AirMed transports trauma, burn, medical, pediatric, neonatal, high-risk OB, balloon pump, Impella, and ECMO patients with multiple helicopters and airplanes placed throughout Utah and Wyoming. We use state-of-the-art equipment which includes digital capnography and invasive line management along with cutting-edge airway technology including video laryngoscopy and advanced portable ventilators.



Founded in 1848, the law firm of Michael Best provides a full range of legal services to businesses worldwide. Over 350 attorneys serve clients from 17 locations, with two offices in Utah. Our services include intellectual property, employment, transactions, litigation, regulatory, privacy and cybersecurity, government relations, and more. [www.michaelbest.com](http://www.michaelbest.com)



Life Flight is an Air Ambulance Service affiliated with Intermountain Health.



**UTAH BACK COUNTRY  
PILOTS ASSOCIATION**

Since 1996, the Utah Back Country Pilots Association has preserved and protected Utah's rich backcountry aviation heritage. From empowering pilots with safe flying practices, to promoting exemplary stewardship of our public lands, the UBCP continues to build a community of aviators helping to perpetuate aviation's access across the state.



**RoboticSkies**

Robotic Skies is a global maintenance marketplace, we utilize our certificated aviation maintenance knowledge to help reduce our customers costs and increase the quality and safety of their operational fleet. We can service a customer's aircraft anywhere in the world with our more than 250 network locations.



QwikFlights is a pilot revolution from the old legacy flying club, and an evolution in local passenger air service. We provide aircraft that have higher useful loads and longer ranges for pilots to take their family and friends on trips. Our goal is to provide faster, safer and cleaner air service at an affordable cost. Now, to pilots who can fly their own plane, and soon, to the greater community who are looking for reliable passenger services across the state.



We are Air Sew-- An up and coming Aircraft Upholstery and Restoration shop located at SkyPark Airfield in Bountiful, UT.



The National Oceanic and Atmospheric Administration provides weather, water and climate data, forecasts, warnings, and impact-based decision support services for the protection of life and property and enhancement of the national economy.



Utah DPS provides Law Enforcement and Search and Rescue services to assist agencies throughout the State of Utah.



Utah State University Aviation Technology applies cutting-edge technology with exceptional training to produce high quality fixed-wing, rotary and UAS pilots, aviation maintenance technicians, and aviation administrators the aviation industry needs.



Hill AFB develops, delivers, supports, and sustains war-winning capabilities. Their focus is on integrated materiel capabilities for the warfighter.





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AERONAUTICS