

COMMERCIAL UAV EXPO

VERTICAL FOCUS.
GLOBAL REACH.

Presented by

COMMERCIAL
UAV NEWS

2022

Commercial UAV Expo

Post-Show Report

expouav.com | commercialuavnews.com

Produced by **diversified**
COMMUNICATIONS

THE COMMERCIAL UAV EVENT FOR:



Construction



Drone
Delivery



Energy
& Utilities



Forestry
& Agriculture



Infrastructure
& Transportation



Mining
& Aggregates



Public Safety
& Emergency Services



Security



Surveying
& Mapping



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The commercial UAS industry has grown and evolved since Commercial UAV Expo launched in 2015, but our mission has remained the same: to provide commercial drone professionals the single best resource for accessing the very latest commercial UAS technology; insightful education that enables them to define an ROI; and an unparalleled opportunity to make and foster valuable connections.

The 2022 event accomplished all this and more, surpassing all prior records. The eighth annual event had 232 exhibitors and 3,405 verified professionals from 60 countries and 48 US states, cementing its spot as the leading international trade show and conference focusing on the integration and operation of commercial UAS. More than 180 experts provided critical information in sessions that covered universal topics like regulatory issues to the particular nuances of a single industry, as well as workshops, trainings, outdoor flying demonstrations, exhibitor showcases, and more. An abundance of networking events took place that enabled valuable connections.

Hope you will plan to participate in the 2023 event to learn, connect, and drive the industry forward.



Lee Corkhill
Event Director

SHOW FACTS & FIGURES

“ The Commercial UAV Expo is the best all-around drone/UAS trade show that provides a great blend of educational content with a showcase of the entire spectrum of current drone technology solutions.”

– **Rob Knochenhauer**
Censys Technologies Corporation





SHOW FACTS & FIGURES

Attendee Stats

SATISFACTION



96%

say attending Commercial UAV Expo is important to their business

☒ **83%**

met their objectives for attending

☒ **85%**

were satisfied with the event overall

TOP REASONS TO ATTEND



See new products and innovations



To network amongst the industry



To gain new insights at the conference



To keep up to date with market trends



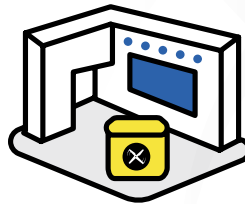
To identify new opportunities

ATTENDEE PURCHASING AUTHORITY



92%

have purchasing authority



92%

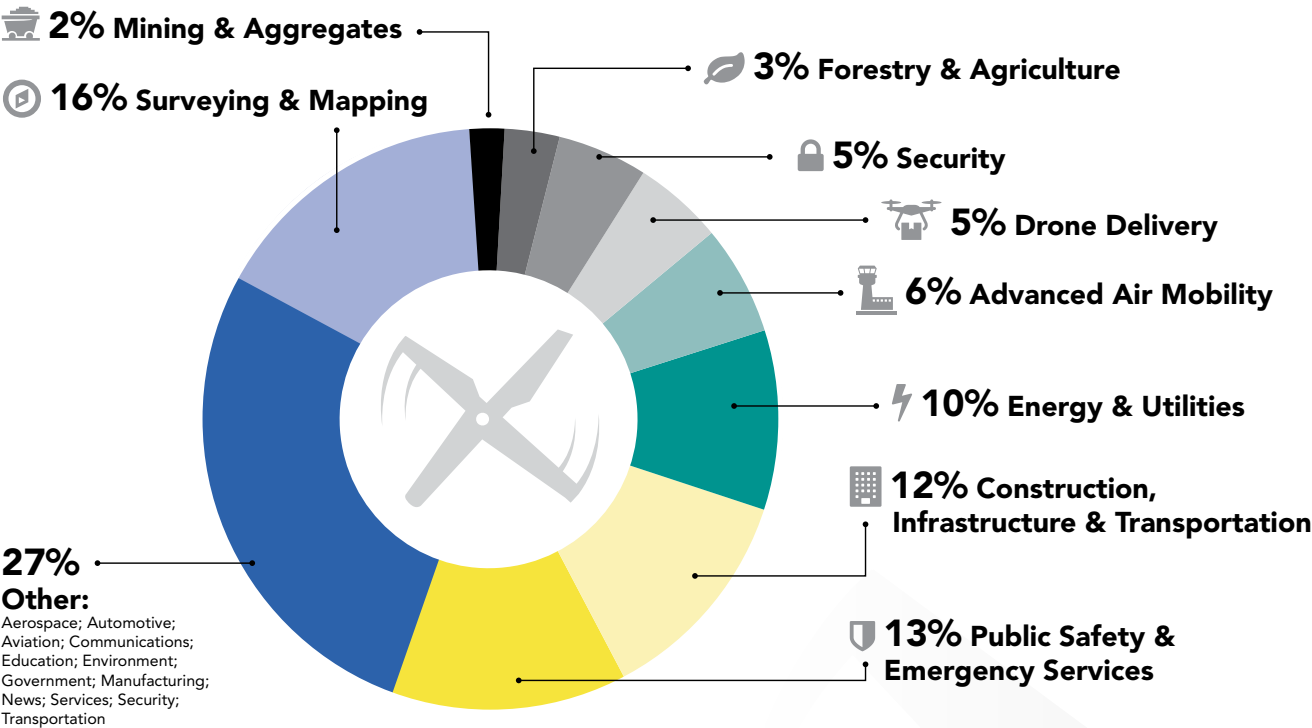
say they'll make a purchase from exhibitors as a direct result of attending Commercial UAV Expo



SHOW FACTS & FIGURES

Attendee Stats

INDUSTRIES SERVED:



SAMPLE JOB TITLES

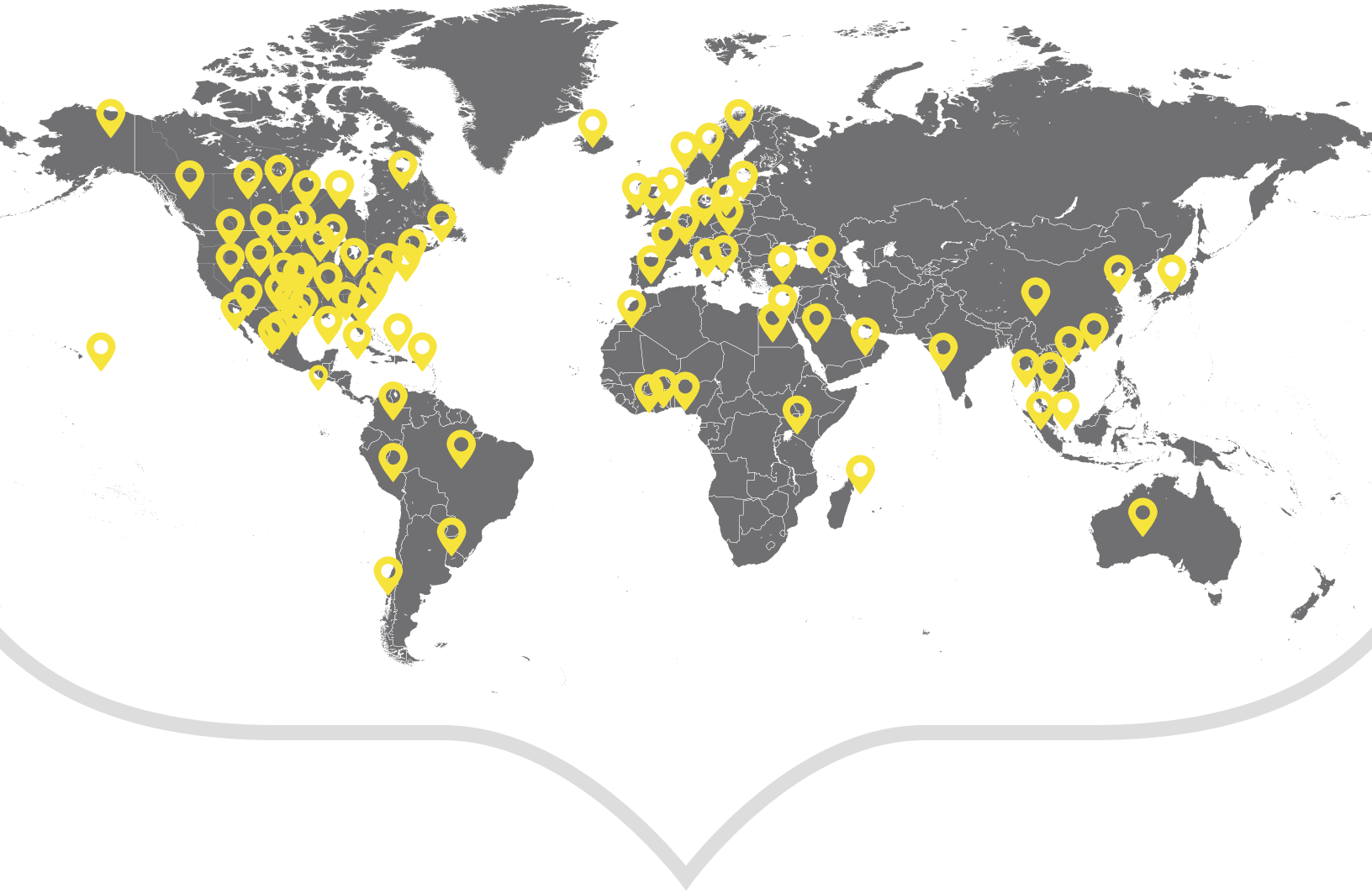
AERIAL ASSET PROGRAM MANAGER
AGRONOMY SPECIALIST
AVIATION SAFETY MANAGER
BRIDGE INSPECTOR
BUYER
CHIEF ENGINEER/DIRECTOR OF MAPPING
CHIEF GEOLOGIST
CIVIL FIELD SPECIALIST
COMMERCIAL UAV MARKET DEVELOPMENT MANAGER
CRIME SCENE TECHNICIAN
CROP SCIENCE PROGRAM MANAGER
DIRECTOR, AVIATION AND LOGISTICS POLICY
DIRECTOR, MOBILITY INFRASTRUCTURE
DIRECTOR, NATIONAL DISASTER RECOVERY
DISTRIBUTOR

DRONE PILOT
ECOLOGICAL MANAGEMENT SUPERVISOR
ECONOMIC DEVELOPMENT
FIELD APPLICATIONS DEVELOPMENT MANAGER
FIELD OPERATIONS MANAGER
FLIGHT OPS/AVIATION SAFETY MANAGER
FORENSIC OPERATIONS SPECIALIST
GEOLOGIST
GEOSPATIAL TECHNICIAN
HYDROGEOLOGIST
LAND SURVEYOR
LIDAR/UAV SPECIALIST
LOGISTICS MANAGEMENT OFFICER
MANAGER OF SURVEYING
MINE PLANNING SUPERINTENDENT

NATIONAL FLEET SPECIALIST
NATURAL RESOURCE CONSERVATIONIST
OEM MANAGER
PHD RESEARCHER AEROSPACE ENGINEERING
PRINCIPAL INVESTMENT MANAGER
PROGRAM DIRECTOR FOR MULTIMODAL TRANSPORTATION
REMOTE SENSING AND UAS PROGRAM MGR
REVIT/CAD DEVELOPMENT MANAGER
ROBOTICS & TECHNOLOGY MANAGER
SENIOR CAVE ENGINEER
SENIOR MANAGER UAS OPERATIONS
UAV CATEGORY MANAGER - BUYER
UAV PILOT / GIS SPECIALIST / CIVIL DESIGNER



Global Reach



In 2022, **more than 3,400 professionals** attended from **around the world.**

Exhibitor Stats

SATISFACTION

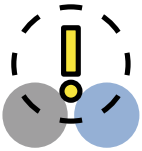
✓ **98%**

were able to meet their objectives for exhibiting at the event



96%

were happy with the quality of attendees at their booth



95%

say exhibiting at Commercial UAV Expo is important for their business



93%

expect to generate a positive ROI as a direct result of exhibiting at Commercial UAV Expo

Commercial UAV Expo has been an integral part of SDI's overall launch strategy as we entered the UAV space for the first time.

– Jennifer McInnis
Sonoran Desert Institute

232 companies

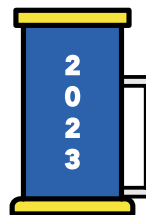
exhibited at Commercial UAV Expo

Companies expect to generate an average of \$340,000 in sales

over the next 12 months as a result of exhibiting at Commercial UAV Expo 2022.

I've been to many drone conferences and this year's Commercial UAV Expo was by far the best I've ever attended. The quality of presentations, the diversity of products in the exhibition hall, and the energy throughout the event were stellar. Can't wait for next year!

– Zacc Dukowitz
Flyability



89%

stated they were likely to return for next year

Interested in exhibiting?

CLICK HERE

SHOW FACTS & FIGURES

2022 Exhibitors





2022 Exhibitors

3LRobotics s.r.o.	Censys Technologies Corporation	Fruity Chutes	NARMA Inc.	The American Surveyor
4S Mapper	Circle Optics	FT Wind Sensors	NASA Aviation Safety Reporting System	The Ohio State University
A2Z Drone Delivery	CodigoDelSur	Fullerton Drone Lab at Fullerton College	Nearthlab	Thirdeye Robotics Co.,Ltd
Aaceses Ihmire Industries, LLC	Colorado Drone Chargers	Fusion Engineering Technologies B.V.	Nippon Kayaku America	Tillamook UAS Test Range operated by Near Space Corporation
AARDVARK TACTICAL	Commarris	GENIUS NY	Northern Plains UAS Test Site	TopoDOT
Accipiter Radar	Commercial UAV Expo	GeoCue Group Inc.	NUAIR	Topodrone SA
ACSL Ltd.	Commercial UAV News	Geodetics, Inc.	NV5 Geospatial	TraceAir
Adinkra Inc.	Consortiq	Geo-Plus	NVBAA	TruWeather Solutions
AEE Technology	Control Point Associates, Inc.	Geospatial World	Ofil Ltd.	Tundra Drone AS
Aerial Safety Vehicle Solutions (AVSS)	Corpus Christi Regional Economic Development Corporation	GizzMoVest LLC	P3Tech Consulting	UAVIONIX Corporation
Aero Systems West	CR Flight	Global Aerospace, Inc.	Parasafe	Uncrewed Systems Technology
AEROLUXURY	Culver Aviation Inc	gNext Labs	Pendleton UAS Test Range Phase One	Universitat Politècnica de Catalunya - UPC
Aerospace Arizona Association	Cupix	GreenValley International	Phoenix LiDAR Systems	University of Arizona Applied Research Corporation
AEVEX Aerospace	Custom Power	Gremys JSC	Pix4D	Unleash live
AgEagle Aerial Systems Inc.	Cytta Corp	Grepow Inc DBA Tattu battery	PP-Solution Inc.	UpVision
AIR6 SYSTEMS	Czech Republic Pavilion	HANCOM InSPACE	Propeller Aero	USI - Unmanned Safety Institute
1Airborne Public Safety Association	DAT/EM Systems International	Hansadrone	Qii.AI	Utah State University
AirData UAV, Inc	Diversity Development Network of Canada	Harris Aerial	QRF: 2022	UVify, Inc.
AirGo	DJI	Hesai Technology	Quantum3D Inc.	UVIRCO Technologies Ltd
AIRIAL ROBOTICS, inc.	Draganfly Innovations USA, Inc.	Hextronics, LLC	Quaternion Inc	Vertiq
AirPixel	Drone Delivery Canada	HITEC Commercial Solutions	Remote Optix	Virtual Surveyor nv
AirWise Solutions	Drone Rescue Systems	Hollywood Drones/DroneTV	ResilienX	Volarious
allocortech inc.	DroneDeploy	HoverCrane	RIEGL USA Inc.	Volatus Aerospace Corp.
Aloft	Dronedesk	Hylum Industries	RIIS LLC	VOTIX
AltoMaxx Technologies	DroneHub	ideaForge Technology Pvt. Ltd.	RJM Precision Instruments	VRMesh
Amazon Prime Air	Dronetag	Inside Unmanned Systems	RN Technologies	vRotors
Amprius Technologies	DroneTalks - Manageld	Inspired Flight Technologies, Inc.	Robotic Skies	Warren County
Applanix	Swiss GmbH	InTerra LLC	Seiler GeoDrones	Community College Watts Innovations
Archangel Imaging Ltd.	DroneUp	Iris Automation	senseFly Ltd.	WhirlyVision LLC
Arcsky	Elistair	Korea Pavilion (MOLIT&KIAST)	SimActive	WiBotic Inc.
Arena, a PTC Business	Elsight	Leica Geosystems Inc.	Skydio	WindShape
Ascent Aerosystems	Embry-Riddle Aeronautical University	LIAZ	SkyBrowse	Wingtra
ASTRA Lite, Inc.	Emesent	Lidaretto	Skyfront Corp.	WingXpand
Astrium, Inc.	Event 38 Unmanned Systems	LIDARUSA	Skyline Software Systems, Inc.	WISPR Systems
Asymmetric Unmanned	E38 Survey Solutions	Lone Star UAS Center of Excellence & Innovation (LSUASC)	SKYTRAC	Women and Drones
Aurelia Aerospace	EXEDY Globalparts Corporation	Luxfer MEL Technologies	Sonoran Desert Institute	Wonder Robotics
Autel Robotics	FAA - Office of Hazardous Materials Safety	Maris-Tech	SONY	Workhorse Group Inc.
Avison, Inc.	First Resonance	Measur	Spatial Media/LIDAR Magazine	Workswell
Baldwin Safety & Compliance	FIXAR AERO LLC	Measure	Specialty Coating Systems	xyHt Magazine
Balko Tech	Flyability	MFE Inspection Solutions	Spright	YellowScan
Biokinetics	Flybotix	MicaSense	Strix Drones USA Inc.	ZenaDrone, Inc.
Blue Nose Aerial Imaging	Flymotion	Microdrones	Sundance Media Group	Zephyr Drone Simulator
Blue Vigil	Fotokite	MORAI Inc.	Sunhillo Corporation	
BRINC	Freefly Systems	Motorola Solutions	Swift Tactical Systems	
Brytee	Frontier Precision Unmanned	Multivista	T&T Inc.	
Carahsoft		Nanomotion LTD	Tallysman	
Carlson Software			Teledyne FLIR	
C-Astral Aerospace			Terrasolid Ltd	

EVENT NEWS COVERAGE

“ Commercial UAV News is my go-to for drone news, so it’s hardly any surprise that the Expo provided excellent networking opportunities and a diverse array of companies and organizations. I’ll definitely be returning next year.”

– Kara Murphy
DP Review

The path f

is



DAY 1 RECAP

There aren't too many activities that can get people lined up at 6:30am, but the outdoor flying demos that opened Commercial UAV Expo have proven to get audiences motivated and moving on multiple levels. Created in response to overwhelming feedback around seeing drone technology in action, a crowd of 300+ people headed out to the desert of Las Vegas to watch a range of drone applications as part of the first major activity at [Commercial UAV Expo](#).

Demonstrations from Ascent AeroSystems, Autel Robotics, Commaris, Frontier Precision, Skydio, Skyfront, Volatus Aerospace, and Wingtra showcased what drone technology can do in real world situations. However, that was just the start of what ended up being an especially impactful day. Learn more about what the Sundance Media Group had to say about the [tremendous growth of the demos](#), as well as the [specifics associated with the drones](#), payloads, and software solutions that were on display.

[Exhibitor showcases](#) saw several presentations from companies that focused on everything from hardware to software to sensors to services.

Each explained what their company had to offer in a way that allowed the audience to ask questions at the session and on the exhibit floor.

The Exhibit Floor was officially opened at the Welcome Happy Hour, where the latest UAS solutions were on display in a way that enabled the audience to explore specific solutions and make connections with old and new contacts.

The activity that defined the first day of the event highlights the sense of community that brings people together for events like Commercial UAV Expo. While everyone is in a different place in their adoption cycle, the potential value of drones and drone solutions were highlighted in a major way at the event, underscoring the opportunities that will unfold for anyone serious about the technology in the short and long term.



DAY 2 RECAP

The second day of Commercial UAV Expo 2022 started off in a big way with Skydio CEO, Adam Bry, detailing how and why the reliability of drone technology is what the inherent value of the technology is based upon. To learn more about what he had to say about [Dominion Energy](#) securing a pivotal BVLOS waiver for power facility inspections using Skydio X2, [watch our recent interview with Adam](#).

The big news at the event centered on the Matternet M2 drone delivery [system being the first to achieve FAA type certification](#). David H. Boulter, FAA Acting Associate Administrator for Aviation Safety, detailed the significance of this development with Lisa Ellman, Executive Director of the Commercial Drone Alliance, highlighting the significance of this milestone.

"We're one step closer to routine package delivery by issuing the first type certificate for drones," Boulter told the crowd. You can watch the full keynote [here](#).

On the conference program, sessions focused on construction, energy & utilities, AAM/UAM, and infrastructure provided an audience with a sense of what it can mean to enable ROI on a whole new level. The Regulatory Insights sessions gave attendees a sense of how they can move past regular challenges, no matter how small or large.

On the exhibit floor, Draganfly [introduced two new Aircrafts and a long range LiDAR](#), while StrixDrones showcased the innovative DroneDrop, a patent-pending drone delivery mailbox. All of the products that are on display in the [New Product Gallery](#) were showcased throughout the exhibit floor.

All of these developments are just a quick look at what happened on Day 2 of the Commercial UAV Expo.



DAY 3 RECAP

The largest ever edition of Commercial UAV Expo concluded in a big way with a keynote and presentations that outlined a path forward for the drone industry. The exhibit floor provided attendees with a sense of the tools and technologies that outline what this path looks like for operators and organizations of all types.

The Day 3 keynote saw Jay Merkle from the FAA moderate a panel that consisted of Dallas Brooks, Jim O'Sullivan, Sean Cassidy and Tom Walker. They touched on the major news associated with Matternet [scoring the first type certification](#) while also detailing how different stakeholders and companies consider the future of market. You can watch the keynote presentation [here](#).

Elsewhere, a panel of incredible women shared career path stories and delivered actionable insight based on their successes, key challenges, important learnings, and their current activities in the industry. Eszter Kovács from DroneTalks moderated the discussion which featured Candice McHargue, Okeoma Moronu, Abigail Smith and Zehra Akbar.



Other sessions highlighted what it means to see drone technology utilized in specific vertical industries that ranged from mining & aggregates to precision agriculture, while the drone programs in the enterprise session pulled together a slew of experts that outlined the approach stakeholders need to take when it comes to creating value with the technology in the short and long term.

EXHIBITOR SHOWCASE PART ONE: HARDWARE MANUFACTURERS

"As manufacturers, we really have our work cut out for us," stated Bobby Watts, CEO and Principal Engineer of Watts Innovation, during the Commercial UAV Expo Exhibitor Showcase focused on hardware. However, he said, "I firmly believe that every manufacturer here can have their best year ever."

At the showcase, representatives from American and international drone and drone-related products manufacturers gave presentations explaining their companies' products, services, and support.

A crowd of drone professionals had the opportunity to question the presenters about their products, their mission, and what sets them apart. Topics addressed included inspections, package delivery, public safety, the importance of training, service and support, scalability, and ROI.

Companies represented included [Culver Technologies](#), [ideaForge](#), [LIDARUSA](#), [Watts Innovations](#), [Ascent AeroSystems](#), [Flyability](#), [Freefly](#), [ACSL](#), [Workhorse Group](#), [A2Z Drone Delivery](#), [Skyfront](#), [Frontier Precision](#), [Autel Robotics](#), and [Commaris](#).

Here's a look at a few of the products presented during the Exhibitor Showcase:

- Created to improve safety, reduce downtime, and lower cost for inspections, **Flyability's Elios 3** drone incorporates SLAM-based stabilization and a FlyAware engine that combines computer vision, lidar technology, and Nvidia graphic engine. The drone, which also includes modular payload bay with two ports, enables locational awareness inside dangerous environments.
- At the session, Japan's **ACSL** described its suite of products, including the **SOTEN** aerial photography drone and the **Fi4** drone for pipe inspections drone. In addition, the firm showcased the Truck Air dedicated delivery drone, explaining how it works with government agencies and leading companies like 7-11 to fly operations over heavily populated areas.



- **Watts Innovations'** flagship aircraft **Prism Sky** boasts a maximum payload of 25 pounds and a maximum flight time of 45 minutes. NDAA compliant and remote ID compliant, the vehicle can be flown in coaxial or quadcopter configurations. Augmenting the Prism Sky is Watts' **KONTACT** 12 radio, the **WATTS** smart LiPo battery, and the **REEL** intelligent delivery system.
- Dedicated to increasing efficiency in the delivery market, **Workhorse Aero** has introduced its patented truck UAS integrated system. The combined truck and drone system supports thousands of package types. It enables delivery and pickup from over 30 feet. Workhorse claims the system reduces last mile costs, on-road miles, and carbon emissions.
- Short for "rapid delivery system," the **RDS 2** from **A2Z Drone Delivery** is a drone winch that adds efficiency to residential delivery, search and rescue operations, intersite transport, and medical supply delivery. At the Exhibitor Showcase, A2Z explained how it has developed a drone and dedicated software to work with the RDS winch.
- **Skyfront** presented its **Perimeter 8+** drone, which incorporates a hybrid power system that uses both batteries and gasoline. The Perimeter 8+ drone can fly for 2 to 3 hours of flight time, with a maximum payload of 22 pounds per 1 hour of flight time. Conveniently, the drone comes apart easily and can be shipped in two boxes.

EXHIBITOR SHOWCASE PART TWO: HARDWARE & SOFTWARE

In Track Two of the Exhibitor Showcase series, 15 companies showed off their hardware, sensors, and cameras, covering everything from safety measures to hardware used by public safety officials, to consortiums of local companies looking to grow the industry in their local areas.

Below are just a handful of highlights from Track Two of the Exhibitor Showcase:

Leica Geosystems is one of the biggest names in the geospatial world, and they showed off their Leica BLK2FLY, an autonomous flying laser scanner. Equipped with five camera that allow for three views – a live view, a view of the 3D scan acquired by the lidar sensor, and an aerial view – as well as the ability to be easily folded for simple transport, the BLK2FLY represents a possible gamechanger in the UAV scanning space.

Hardware manufacturer **AEE Technologies** specializes in producing drone solutions for those in public safety spaces. Makers of the Mach 6 and Mach 4 – a hexacopter and a quadcopter – AEE's hardware can illuminate dark spaces. With their AEE Night Color, images can come through as if shot with a spotlight, but no visual light is apparent. Pictures taken in darkness appear as if it was taken in broad daylight. This is key for operations like police missions where a spotlight could give away their presence.

Sticking with the public safety theme, **BRINC** works to make life easier for first responders. With a drone that is meant to fly indoors, first responders can send in the machine as their eyes and ears, as it is equipped with both cameras and microphones, getting a sense of the area before sending in any humans. They can also perform remote negotiations if the situation calls for that, as the system is equipped with a microphone as well, which is connected to cell phone number to allow for easy access.

In addition to all of the impressive hardware, Track Two of the Exhibitor Showcase also included interesting software, including products from **Votix**. A self-described drone orchestration system, Votix' software suite connects every



part of a drone operation, from planning to flight to data processing. Their software is also modular, meaning users can utilize the entire platform or pick and choose which specific areas meet their needs for any given project.

PRESS COVERAGE & SOCIAL MEDIA



Commercial UAV Expo is the one drone related show we always attend. All of our vendors are at the show, and it is a great opportunity to connect with them. It is also a great opportunity to learn about what is going on in the industry and see the latest technology first hand. From the networking, to the conference program, to the exhibit hall, it is the complete package.”

– **Lauren Elmore**
Firmatek



PRESS COVERAGE & SOCIAL MEDIA

Press



NEWS FROM COMMERCIAL UAV EXPO 2022—MAJOR RELEASES, TALKS, AND PITCH THE PRESS WINNERS



FRAVEL'S FOOTNOTE: COMMERCIAL UAV EXPO DAY ONE



COMMERCIAL UAV EXPO DELIVERS



FIELD REPORT: WHAT'S NEW WITH CONSTRUCTION DRONES AT COMMERCIAL UAV EXPO

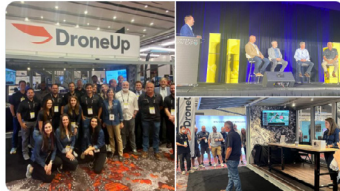
Social Media



DroneDeploy @DroneDeploy · Sep 16
Thank you to everyone who attended our CEO Mike Winn's @ExpoUAV session on using drones for efficient, safe and budget-friendly site surveying.
Mike was joined by @chascoconstruct, @kiewit, @WindoverCM and @Sundt to share insights on quantifying the value of drone technology.



DroneUp @godroneup · Sep 9
Another successful #CommUAV! Some of DroneUp's highlights this year were meeting with partners, hosting the networking hub, and concluding the show with our CEO speaking on the keynote panel to the path forward for the drone industry. What was your favorite part of the show?



YellowScan @YellowScan · Sep 6
The YellowScan Voyager waiting to put on a show at @ExpoUAV in Las Vegas. Meet us at booth #208 from Sept 6th to 8th! [yellowscan.com/products/voyager](#) #LIDAR #Livedemonstration



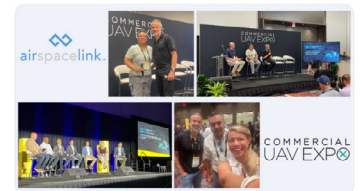
Airglity, Inc. @airglity · Sep 13
A successful Commercial @ExpoUAV for the Airglity team! It was great to see innovative products, companies, and avid learners passionate about the growth of the industry. Thanks to our Partner, @Carahsoft, and their representative Lauren Regier for having us at their booth!



You Retweeted
Andrew Wilkins @itsAWilksWorld · Aug 22
I never get FOMO....but I feel like everyone I know is going to Commercial UAV



Airspacelink @Airspacelink · Sep 12
Another successful @ExpoUAV in the books. Thank you to @expouav for the opportunity for #Airspacelink to present on two panels, join roundtable sessions, and have so many productive sessions and networking events.



FAA Drone Zone @FAADroneZone · Sep 7
We're one step closer to routine package delivery by issuing the first type certificate for drones, the FAA's David Boulter told attendees at @ExpoUAV - "A path has been built which will make things more efficient in the future." #expouav



Aloft @aloftai · Sep 13
Thank you to everyone who stopped by our booth at @ExpoUAV to connect with the Aloft team last week! Watch a few highlights from Commercial UAV Expo 2022.

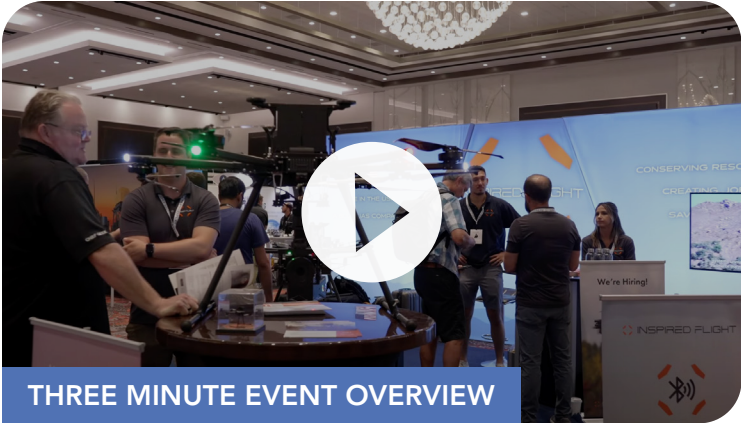


Draganfly Inc. @DraganflyInc · Sep 8
And that's a wrap! The @DraganflyInc team had an amazing time at @ExpoUAV 2022. Thank you to all who stopped by our booth and learned more about our latest drone innovations.
#Draganfly SDPRO #ExpoUAV #CUAV #UAV #AI #Drones #Drone #DFlyWithUs





VIDEO HIGHLIGHTS



THREE MINUTE EVENT OVERVIEW



EXHIBITOR TESTIMONIALS



30 SECOND OUTDOOR FLYING DEMO RECAP

CONFERENCE INFORMATION

“Seeing and hearing top government and industry executives interact and discuss key topics was the highlight of the conference.”

– **Leonidas Sears**
eGPS Solutions

[CLICK HERE
to view
All Speakers](#)

[CLICK HERE
to view the
Conference
Program](#)



CONFERENCE INFORMATION

Keynotes



FAA'S VISION TO ENABLE THE NEXT GENERATION OF FLIGHT

Featuring David Boulter, Federal Aviation Administration

The FAA's highest priority is to ensure that the safety of the National Airspace System (NAS) is not compromised by drones that do and will need to operate in the same airspace with crewed aircraft. The FAA's participation at events like the Commercial UAV Expo is about actively collaborating with the community of commercial drone professionals to better understand and enable this integration, but how have these conversations impacted where things are with drone regulation in 2022? What's been missing from them that we can newly define for 2023 and beyond? David H. Boulter, FAA Acting Associate Administrator for Aviation Safety, shared these insights and more in order to drive further collaborations between regulators and industry.

Keynote moderated by Lisa Ellman, Commercial Drone Alliance & Hogan Lovells



David Boulter
FAA



Lisa Ellman
Commercial Drone Alliance

[View 2022 Keynotes](#) 



CONFERENCE INFORMATION

Keynotes

REAL WORLD ROI: UNLOCKING THE FUTURE OF SUCCESSFUL DRONE ADOPTION

Featuring Adam Bry, Skydio

Organizations of all sizes have started to realize the promise of drone technology, and those leading the way have unlocked significant benefits that transform operations, reduce risk in their business and create a competitive advantage. The drone industry has already made great strides in unlocking day-to-day value, but scaling this success requires innovation, perseverance and giving business leaders a clear understanding of how drones cannot just aid, but transform their operations.

There are few better people to provide insights around what that can mean than Skydio Co-founder & CEO Adam Bry.

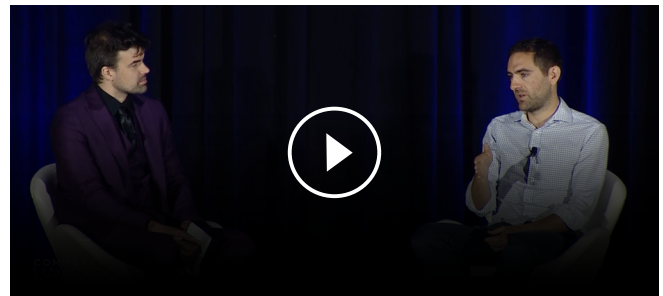
Keynote moderated by Jeremiah Karpowicz, Commercial UAV News



Jeremiah Karpowicz
Commercial UAV News



Adam Bry
Skydio



DEFINING THE FUTURE OF DRONE DELIVERY: HOW CAN WE ENABLE LEADERSHIP, COLLABORATION, AND A COLLECTIVE VISION?

Featuring Dallas Brooks, Wing; Jim O'Sullivan, Matternet; Sean Cassidy, Amazon Prime Air; and Tom Walker, DroneUp

Leaders from the top companies in the drone delivery space came together to discuss what they agree on, where they differ and how they believe they'll need to work with one another to enable opportunities that make sense for each of them. They explored the value of delivery applications that are being realized today and opening up for tomorrow. These leaders discussed how they're approaching the future of the airspace within their own organization and detailed what it means for them to work together to enable a collective vision for the airspace that benefits everyone.

Keynote moderated by Jay Merkle, Federal Aviation Administration.



Dallas Brooks
Wing



Sean Cassidy
Amazon Prime Air



Jay Merkle
FAA



Jim O'Sullivan
Matternet, Inc.

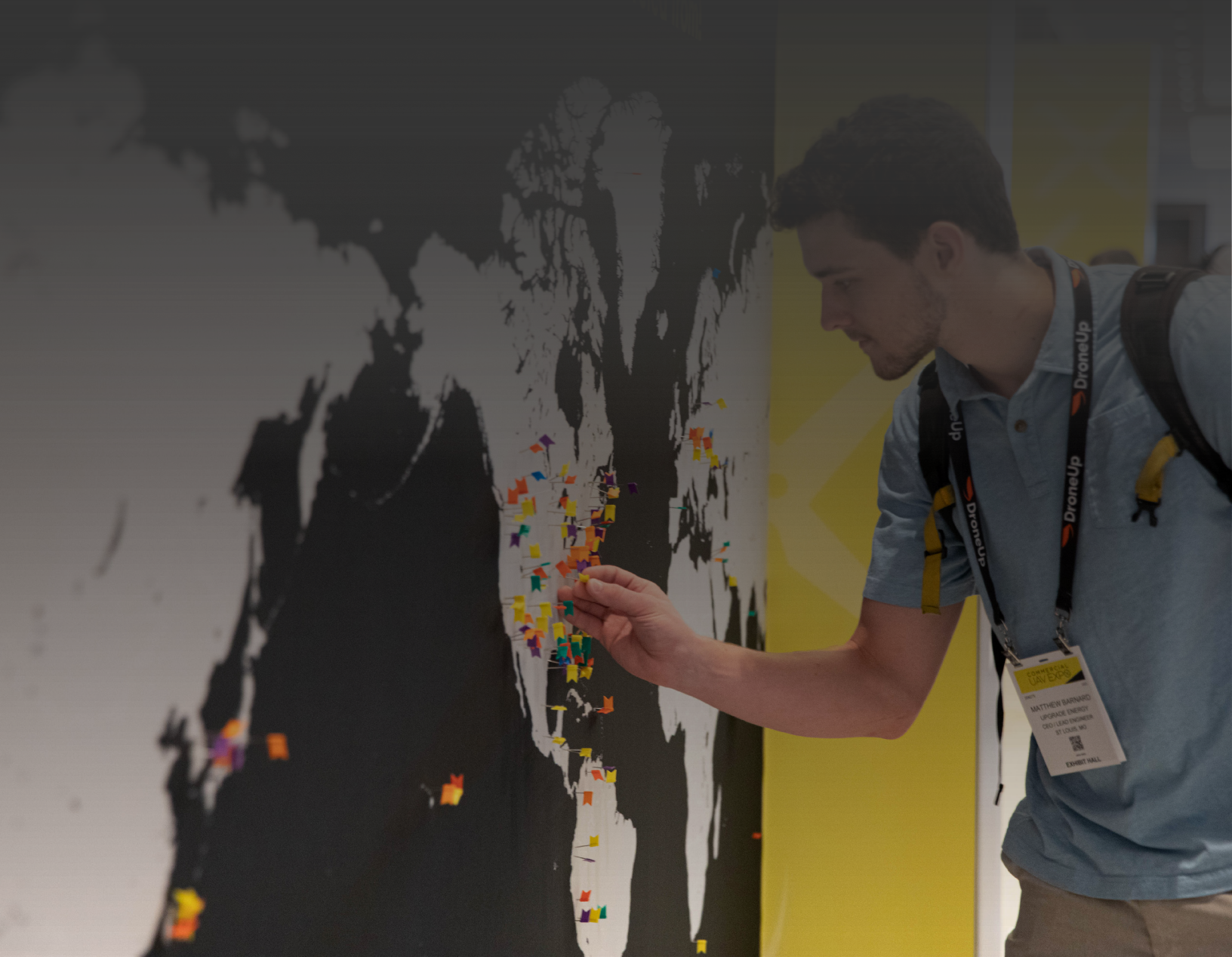


Tom Walker
DroneUp

View 2022 Keynotes 

SUPPORTING PARTNERS

COMMERCIAL UAV EXPO WAS SUPPORTED BY **300+**
PUBLICATIONS, PORTALS, ASSOCIATIONS, USER GROUPS,
ANALYSTS, COOPERATING EVENTS, AND GOVERNMENT
AGENCIES, COVERING 6 CONTINENTS



Publications



Portals



Associations & User Groups

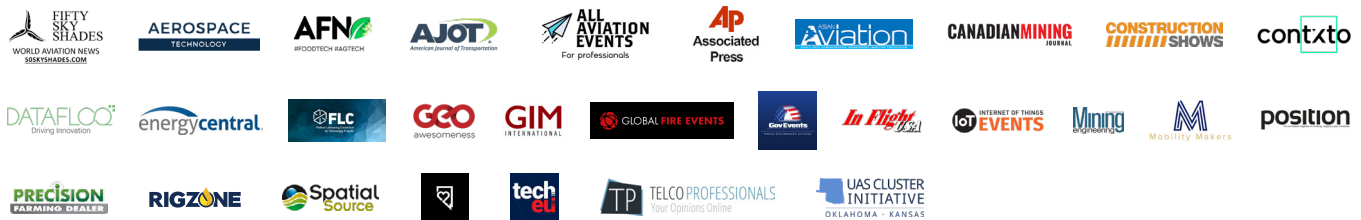


SUPPORTING PARTNERS

Analysts & Government



Special Promotional Support



Cooperating Events



SPECIAL ONSITE EVENTS & SHOW HIGHLIGHTS

“ Commercial UAV Expo was probably the most exciting Expo I’ve ever attended. There was great variety of discussion topics, exhibition, outdoor flying experiences and amazing display of hardware and software. It definitely felt like a training camp to get people ready to conquer the world, and I have to say I came out all ready to go!”

– **Sainey Badjie**
McFarland Johnson Inc



Outdoor Flying Demos

COMMERCIAL
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WIDE RANGE OF DRONE APPLICATIONS ON DISPLAY AT LIVE FLYING DEMONSTRATIONS

Kicking off the 2022 Commercial UAV Expo, eight companies put their drones on display under the hot Las Vegas sun for the annual Outdoor Flying Demo, sponsored by [Sundance Media Group](#).

Those in the crowd got a chance to see a variety of different drones, payloads, and software solutions throughout the morning from these exciting companies. Lidar powerline scans, automated flight plans, and 3D scans of a mock crash scene were just some of the functionalities on display out at Henderson Equestrian Park.

"There's really nothing that compares to seeing these systems in action," said Lee Corkhill, Group Event Director for Diversified Communications' Technology Group. "Giving the Expo attendees the chance to see the drones and actually interact with their colleagues is invaluable."

Here's a look at the demonstrations:

Frontier Precision: Frontier Precision was the first company

to show off their hardware in this event, combining their Alta X drone with [YellowScan's Voyager](#) scanner, used for lidar surveys and other scanning projects. The Alta X was originally designed for cinematic purposes, which means that in-flight vibrations are kept to a minimum. This is particularly important for lidar use cases, as are the long, 50-minute flight times for the product.

Commaris: For Commaris' demonstration, the company showed off their Seeker drone, which can be utilized by public safety officials.

The Seeker is equipped with a payload that functions as a satellite signal that is able to locate cell phone numbers in the area, making it ideal for a search-and-rescue mission or a police investigation. With the Seeker, officials can scan an entire area – say an isolated mountain where you can't expect to find many cell signals – or for a specific number and locate their person of interest with their UAV. >>



Night Flight Demo



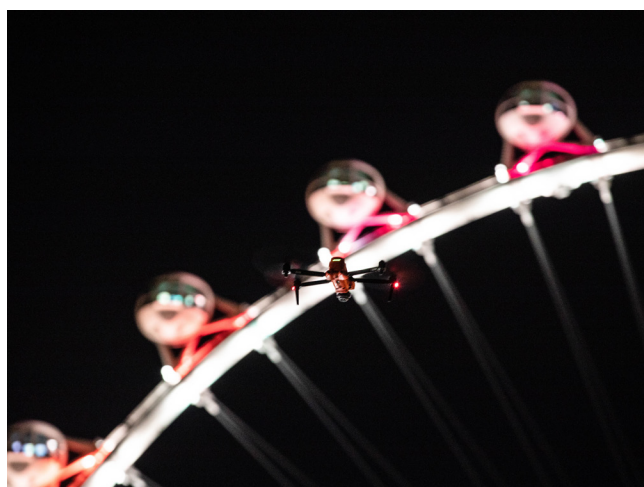
Skyfront: Most drones are powered by batteries, and that can sometimes pose logistical problems and cut down on productivity for certain projects. Also, batteries are more difficult to ship as they cannot travel on an airliner, and lidar payloads also have significantly shorter flight times. During the demo, Skyfront representatives explained how they address these problems by avoiding the need for battery power all together, instead relying on gasoline, which is converted to electric power. The result is longer flight times and fewer logistical headaches, and ultimately more time spent on actual surveying projects.

Autel Robotics: The company put its Dragonfish drone through its paces during the live demo. Featuring a tilt-rotor design, the Dragonfish features AI tracking capabilities and a wide variety of modular payload options.

Volatus Aerospace: For the demonstration Volatus Aerospace showed off its remote piloting software by having a company official operate two small drones located at the Henderson Equestrian Park from the comfort of his home in Canada. Using the company's system, the remote pilot was able to control the vehicles through take off, mission, and landing. The demonstration showed how the Volatus system could help operations involving multiple drones and enable effective overwatch and data management.

Wingtra: The Swiss company demonstrated the capabilities of its Wingtra One drone at the event. With its unique design, the drone takes off like a rocket, but flies like a plane when in cruise mode. Company officials highlighted the vehicles ease of use and its value in mapping operations.

Skydio: After a traffic accident, officials at the scene often want a 3D scan – or digital twin – of the area before cleaning up the road and getting traffic back to normal.



Often, this can take hours, leading to long times of congestion and logistical headaches. On Tuesday, Skydio demonstrated a way around those issues, scanning a mock accident for those in attendance. This scan took less than 10 minutes. Skydio representatives explained that even a larger accident that would typically take upwards of four hours could be done in less than 45 minutes using Skydio's autonomous scanning flights and data processing software.

Ascent Aerosystems: Perhaps the most unique UAVs on display on Tuesday were the two vehicles from Ascent. Their NX30 was small and silent, with the ability to take off and land in one's hand rather than on the ground. Company representatives said the vehicle was ideal for public safety and inspection applications. Ascent also showed off Spirit, a 13-pound drone that comes modularly with multiple sections that can be customized with different payloads, whether it be a camera or lidar scanner, to meet the needs of the user.

Pitch the Press

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AIR6, CONSORTIQ, AND WONDER ROBOTICS WIN 2022 COMMERCIAL UAV EXPO “PITCH THE PRESS”

It wasn't easy, but a panel of judges from UAV publications listened to pitches from 17 leading drone and technology companies and selected three winners in the annual “Pitch the Press” session at [Commercial UAV Expo](#).

The winners are:

Air6 Systems: Austria's Air6 was selected for its DrSuit, short for “drone squadron for unmanned inspections of wind turbines.” The uncrewed system deploys a swarm of four drones, navigated from a control vessel onshore, to conduct offshore wind turbine inspections. Fully autonomous from end to end, the system makes the inspection process more efficient and environmentally friendly. In selecting Air6, the judges felt the system could improve the quality of offshore inspections and produce tremendous savings in time and energy.

Consortiq: The judges were impressed by Consortiq's approach to building inspections. Using AI technology and 360 cameras, Consortiq can provide inspectors with a complete look at the outside and inside of buildings,

evaluating assets and helping to ensure safety. Citing recent tragedies involving fires at unsafe buildings, the judges felt that Consortiq's technology could save lives and contribute to humanity.

Wonder Robotics: “Vertical awareness” is the goal of Wonderland from Wonder Robotics. A system to improve the safe landing of autonomous vehicles, Wonderland's sensors and algorithms increase understanding of weather conditions, ground conditions, lighting, and other factors that can impact landings and put people on the ground at risk. In selecting Wonderland, the panel of judges cited the need for safe landing paths and risk management around drone operations.

“We had a record number of submissions and presentations this year, which highlights the incredible variety that is on display across the entire exhibit hall,” said [Jeremiah Karpowicz](#), Editorial Director of Commercial UAV News. >>

Pitch the Press

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"Our winners reflect that variety on multiple levels though, because in each of them you can see how they're creating value today while also opening up possibilities for tomorrow. That connection with the present and future of technology adoption and integration is what this event is all about."

Judging were [Abe Peck](#) of [Inside Unmanned Systems](#), [Dronelife's](#) Editor in Chief [Miriam McNabb](#), [Gene Roe](#) from [Lidar News](#), and [Jeff Thoreson](#), Editor-in-Chief of [xyHt](#). During "Pitch the Press," the judges listened to two-minute pitches from company representative. They then evaluated the presentations, looking for innovation and potential for ROI, to select the top three.

Below is a complete list of companies that took part in "Pitch the Press":

- [AIR6 SYSTEMS](#)
- [Amprius Technologies](#)
- [Arcsky](#)
- [Baldwin Safety & Compliance](#)
- [Consortiq](#)
- [Dronedesk](#)
- [Freefly Systems](#)
- [Hansadrone](#)
- [Phoenix LiDAR Systems](#)
- [Qii.AI](#)
- [SKYTRAC](#)
- [StrixDrones](#)
- [Unleash Live](#)
- [Watts Innovations](#)
- [WhirlyVision LLC](#)
- [Wonder Robotics](#)
- [Zephyr Drone Simulator](#) ([Little Arms Studios](#))

SPECIAL ONSITE EVENTS & SHOW HIGHLIGHTS



“ This is the show that builds the buzz for the rest of the year!”

– **Cindy Moore**
Draganfly Innovations

“ Commercial UAV is my go-to for drone news, so it’s hardly any surprise that the Expo provided excellent networking opportunities and a diverse array of companies and organizations. I’ll definitely be returning next year.”

– **Kara Murphy**
DPReview



SPECIAL ONSITE EVENTS & SHOW HIGHLIGHTS



“The epicenter of all things drones.”

– **Adam Zirkelbach**
Censys Technologies Corporation

“Essential if you are involved in the drone commercial industry.”

– **Fernando Larios**
Sysmap

“If you didn't find it here, you didn't look hard enough. The opportunities for networking and vendor inquiry were boundless. It was a UAS pilot's playground.”

– **Ryan Risdon**
Kittitas County Fire Protection District #6

SOCIAL IMPACT

“ I always love the opportunity to get on the stage with a group of women leaders in the industry. I think that we have an opportunity here to really shape how this industry sees women and diversity going forward.”

– **Okeoma Moronu**
Zipline International





Social Responsibility

Commercial UAV Expo is accountable and committed to contributing to the well-being of communities and society through environmental and social measures.



Sustainability Pledge

As a leader in the global expositions and conference industry, Diversified Communications, the organizer of Commercial UAV Expo, recognizes its responsibility to understand and prioritize actions to reduce the carbon impact of the events it produces.



UAV Empower

UAV Empower is part of Diversified Communications' Diversity, Equity + Inclusion efforts to drive discussions and actively advance the principles of racial equality, social justice, and inclusion. Through these efforts, we aim to influence and encourage an ecosystem for the open exchange of ideas and the ongoing pursuit of best practices.



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