

U.S. ARMY AVIATION CENTER OF EXCELLENCE
MODERNIZING THE FORCE FOR LARGE
SCALE COMBAT OPERATIONS



AVIATION INDUSTRY DAYS

20-22 JULY 2021

FORT RUCKER, ALABAMA
HOME OF ARMY AVIATION



WELCOME

On Behalf of Maj. Gen. David J. Francis, Commanding General, U.S. Army Aviation Center of Excellence and Fort Rucker, we would like to welcome you to the 8th Annual Army Aviation Industry Days here on Fort Rucker.

After a year that delayed or limited events on and off post and across the country, Fort Rucker is excited to host Aviation Industry Days once again. This year’s event welcomes over 300 industry participants and over 50 exhibits that include experts from across this great nation and showcases some of the latest and greatest in aviation technology.

Booths and static displays will be open from Wednesday at 830am and will remain open until 1630, and Thursday from 830am until 1230pm. We have an impressive schedule of briefings that include leaders, experts and some of the top minds in Military and Civilian Aviation. Briefings and discussion panels will begin Wednesday at 8:30am at the Post Theater and are scheduled at various times throughout the day concluding at 1600.

While Aviation Industry Days is all about modernizing the force there will be time for some fun and opportunities to socialize with colleagues in a more relaxed environment. A golf tournament and social event are scheduled for Tuesday at Silver Wings Golf Club, our 27-Hole Championship facility, which is open year-round. The course has outstanding Champion Bermuda Greens and one of the most challenging layouts in the region. The facility boasts a fully stocked Golf Shop, Divots Restaurant & Grille, meeting & banquet rooms, and a 300-yard long lighted Practice Range.

The second of our social events will be held at The Landing on Wednesday evening. The Landing is our premier banquet and event facility which also houses Welcome Home Catering, the catering service that will be providing the food and beverage services throughout Industry Days. In addition, The Landing Zone restaurant and a Starbucks Coffee Zone are also located inside the facility for your convenience.

Whether you are an attendee, participant, sponsor or partner of this year’s Aviation Industry Days we would like to thank you for your support of the United States Army Aviation Center of Excellence, its Soldiers and their Families here on Fort Rucker.



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EXPO SCHEDULE

20 JULY	TUESDAY	
0830-1630	Industry Expo booth setup	The Landing
0800-1530	Golf Tournament	Silver Wings Golf Club
1700-1900	Industry Social Event	Silver Wings Golf Club
21 JULY	WEDNESDAY	
0830-1630	Industry Expo: Booths & Static Displays	The Landing
0900-0930	Welcome/Opening Remarks Briefer: USAACE Commanding General	Theater
0930-1000	"Army Modernization" Briefer: AFC Briefer	Theater
1000-1030	"Future Vertical Lift Ecosystem in LSCO" Briefer: Future Vertical Lift CFT Director	Theater
1100-1130	"Program Executive Office Update" Briefer: Program Executive Officer, Aviation	Theater
1130-1200	"Aviation Notes from the Building" Briefer: DAMO-AV Director	Theater
1200-1300	Break	
1300-1330	"Overview & Army AV DOTMLPF-P Integration Plan"	Theater
1330-1430	"Army Concept for Aviation"	
1445-1515	"The Future of Aviation Sustainment"	
1515-1600	"MOSA in Army Aviation"	
1600-1700	Break	
1700-1900	Industry Social Event	The Landing
22 JULY	THURSDAY	
0830-1230	Industry Expo: Booths & Static Displays	The Landing
0900-0930	FVL CFT Update	
0930-1150	Aviation Project Manager (PM) & Army Capability Manager (ACM)/ Requirement Determination Directorate (RDD) Updates	The Landing

Save the Date: 19-21 July 2022

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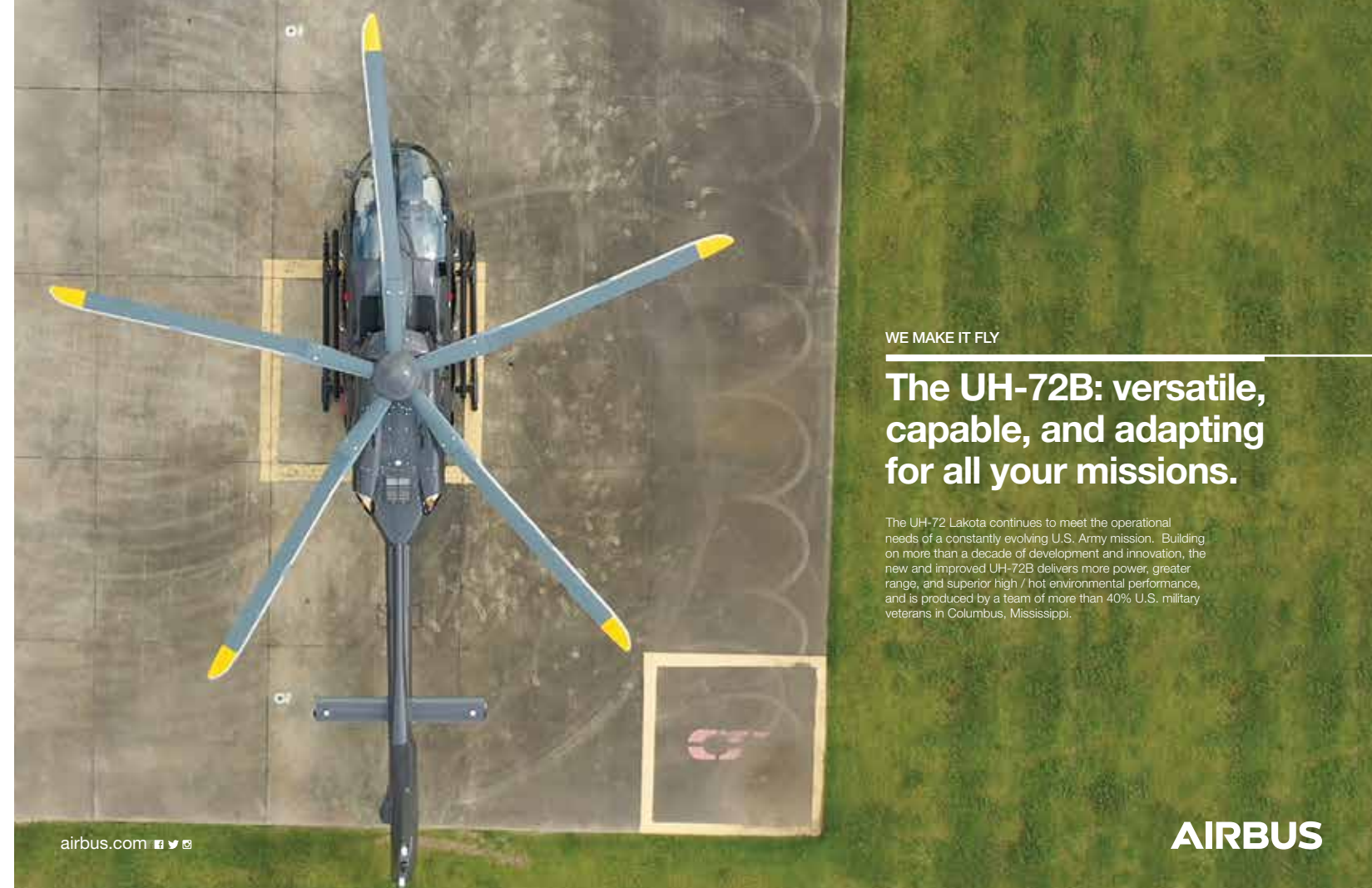
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AccessRec MustMove.....22
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Advanced Helicopter Services.....13
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AeroVironment.....6
AeroVironment is a technology solutions provider at the intersection of future-defining capabilities that include robotics, sensors, software analytics and connectivity. The company's UAS are used extensively by agencies of the U.S. Department of Defense and increasingly by allied military services to provide situational awareness to tactical operating units through real-time, airborne reconnaissance, surveillance, and target acquisition. www.avinc.com



Airbus Helicopters Inc.....17
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Areté41
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AVT Simulation40
AVT Simulation, Applied Visual Technology, Inc. has been providing engineering services that developed modeling and simulation expertise for military training since 1998. AVT specializes in making old training systems new again and making new ones for less. The foundation of AVT is based upon three pillars: Agility, Affordability, and Accountability. The founder has accumulated more than 30 years of military simulation and training expertise in aviation applications. For over 20 years, AVT Simulation has served our Air Force, Army, Navy, and Marine customers with the highest quality service and solutions. Since its inception, AVT's highly specialized staff of engineers has included some of the simulation industry's top leaders. Our dedicated team provides specialized solutions for customers requiring on-point solutions to complex problems.



BAE Systems.....33
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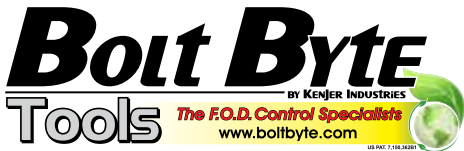
Exhibitor Profiles



Bell
Bell leads the way in Future Vertical Lift requirements with its Bell V-280 Valor FLRAA (future long range assault aircraft) and Bell 360 Invictus FARA (future attack reconnaissance aircraft) weapons systems. These next generation aircraft deliver major gains in speed, agility, lethality, and reach to support the maneuver force. As FARA and FLRAA move towards programs of record, Bell's digital design and advanced manufacturing technologies improve reliability, reduce lifecycle maintenance and servicing requirements, and reduce sustainment costs—all contributing to increased program affordability. We are ready to transform Army aviation to meet multi-domain battlefield challenges with the right talent, effective product capabilities, and the capacity to produce the next generation of military aviation. Learn more at bellflight.com/fvl.



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Bolt Byte8
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CATI Training Systems28
CATI Training Systems provides industry-leading simulation products and engineering services for government, commercial, and civilian organizations around the world. For over twenty years, CATI has been providing the aviation industry with unparalleled rendering performance through advanced software algorithms and optimizations. CATI image generator systems are the ideal choice for the visualization of simulation training systems. CATI's X-IG® Image Generator solutions provide high-fidelity visualization and are 100% COTS PC-based and specifically designed around industry-standard OpenGL®, and OpenFlight®, the 3D standard format for the visual simulation industry. The X-IG® suite of tools and programs offers superior image fidelity, realism, and ease of integration with most simulation devices. Open architecture, COTS tools, and flexible interface options make X-IG® one of the most user-friendly options on the market. Low acquisition, low overhead, and reduced support costs also make it one of the most cost-effective simulation training solutions available.



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Collins Aerospace.....23
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General Atomics Aeronautical Systems (GA-ASI).....32
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GasTOPS Inc. (GTI).....39
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GE Aviation.....14
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Genesys Aerosystems, a Moog Company15
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Gore.....12
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Inter-Coastal Electronics (ICE)20
ICE is an advanced engineering company that designs and manufactures state-of-the-art test, telemetry, and training instrumentation systems. Our products collect, process, transmit, and record live fire mission data across full spectrum operations providing wireless telemetry, geometric pairing, area weapon effects, and GPS tracking with performance feedback and high-fidelity After-Action Review (AAR). Fielded training systems support simulated and live fire collective training for Aviation, UAS, Field Artillery, Air Defense Artillery, Ground Missile Systems, and Dismounted Personnel. ICE provides the Army Aviation Data Management System (AADMS) telemetry network at all three US Army CTCs as well as all DRTS/DAGIR live ranges and Aviation HITS locations. The AADMS network is overlaid onto existing networks to allow for seamless integration without affecting the site infrastructure. ICE employs the requisite skills to implement the total live training experience for Any Mission, Any Environment, Any Platform



Intevac.....24
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M1.....37
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MOAA.....38



MSM Technology4
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Exhibitor Profiles



Navigator International LLC (NI).....10
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As an ISO 9001:2015 Certified company and trusted partner to our Government customers we provide aerospace and defense system integration, life cycle and logistical management support, systems engineering, software engineering, and training course development. We are a Small Business Prime on the AMCOM EXPRESS Logistics Domain with over 16 years of corporate experience providing professional acquisition, sustainment, and modernization engineering services.
Since our founding in 2005, NI has been dedicated to providing our clients with timely, responsive, and affordable solutions to their challenging and complex problems. Enabling our customers' success is the foundation of NI's core mission and path to continued growth.



Navigator Development Group Inc......26
Navigator Development Group Inc. is a Service-Disabled Veteran-Owned Small Business (SDVOSB) headquartered in Enterprise, Alabama, with a regional office in Huntsville. Founded in 1997, Navigator provides contracted support to the Department of Defense (DoD) agencies across the Aviation, Training, Technology, and Logistics domains.
Navigator has an established reputation of excellence within the government and industry. We are an extremely stable SDVOSB with mature processes and extensive experience building teams, professionally managing contracts to consistently deliver high-quality products and services on-time and within budget. More than 70 percent of our employees are veterans that provide unrivaled insight and expertise. Along with our employees' significant contributions, Navigator values the relationships we forge with our trusted industry partners. We strive to form strong, talented, and reliable teams and provide exceptional products, services, and support at an affordable price.



Northrop Grumman.....9
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Parry Labs5
Parry Labs, LLC is a small business solution provider for our DoD warfighters and commercial customers. Headquartered in Alexandria, VA, with offices located in Huntsville, AL, and Columbia, MD. Our company is focused on providing innovative agile hardware and software solutions and systems engineering across air, land, sea, and cyber domains. Parry Labs is composed of an interdisciplinary engineering team of Tactical-to-National ISR experts, Aviation Subject Matter Experts (SMEs), Combat Veterans, and the nation's leading engineering minds to provide open architecture productsand services capable of any mission.
The Stellar RelayTM Family of Systems is one hallmark of Parry Labs. Our MOSA capable design offers flexibility to support the affordable implementation and system access the Army requires for future integration activities. The system enables MDO through a Family of Systems comprised of hardware and software that streamlines the ability to collect, analyze, and share information at the speed of relevance.



Pinnacle Solutions2
Our Expertise:
Founded in 2008, Pinnacle is a leading innovator and provider of flight and maintenance products and services, with proven expertise in training system development, sustainment, and modification; live, virtual, and augmented training environments; interactive multimedia instruction; and technical publication development.
Our Solution:
Pinnacle provides innovative training products spanning from 3D virtual environments and maintenance and flight training devices to virtual/interactive aviation mishap investigation courseware. Our common architecture and modular approach provide low-risk, cost-effective solutions supporting a customer base that includes DoD, Special Operations Forces (SOF), NASA, Embry Riddle Aeronautical University, commercial and international markets.



Rolls-Royce
Rolls-Royce pioneers cutting-edge technologies that deliver clean, safe and competitive solutions to meet our planet's vital power needs. Our purpose is to pioneer the power that matters: to connect, power and protect society.
Rolls-Royce has supported U.S. Army Aviation for decades and is a proud member of Team Valor. We are designing the propulsion system for Bell's V-280 aircraft for the Future Long-Range Assault Aircraft (FLRAA) program.
Rolls-Royce is one of the world's preeminent manufacturers of highly-efficient integrated power and propulsion solutions. Our power systems are used in aerospace, naval marine, energy and off-highway applications. In the United States, Rolls-Royce employs about 6,000 people with significant operations in 27 states.

Exhibitor Profiles



S327
S3 is a global technical solutions company that specializes in aviation & missile systems engineering, science & technology, research & development, systems integration, training, logistics, and security assistance. S3 provides innovative, safe, reliable, leading edge technology and service solutions to US and Partner Nation security forces, other US government agencies, and commercial customers. Our booth provides current and potential future customers access to S3 Corporate leadership to discuss our capabilities and provide information on our services. The booth, manned by current Ft. Rucker S3 employees, provides an opportunity to speak with our staff supporting the USACCE CDID, G3, G5, AE-RDD, AP-RDD, CEAD, AMBL, and OPFD. Our booth staff provide information on current S3 job opening and accept resumes from interested candidates.



Safran16
Safran is an international high-technology group, operating in the aviation (propulsion, equipment and interiors), defense and space markets. Safran has a global presence with 79,000 employees and sales of 16.5 billion euros in 2020 and holds, alone or in partnership, world or regional leadership positions in its core markets.
Safran Helicopter Engines is the world's leading manufacturer of helicopter engines, with more than 75,000 produced since being founded. It offers the widest range of helicopter turboshafts in the world and has more than 2,500 customers in 155 countries. Safran Helicopter Engines produces the Arriel 1E2 turboshaft engine, used on the U.S. Army's UH-72A Lakota, as well as the Arriel 2E, found on the UH-72B Lakota.



Science and Engineering Services (SES)36
Science and Engineering Services (SES) is a recognized leader in system modification, integration, training, and total fielding support of rotary wing, fixed wing, and unmanned aircraft. We are a business which brings OEM-level capabilities, without the associated cost. Services range from prototype and fabrication through complex modification and integration. We are strategically located, have trained personnel, rapid contracting vehicles, and over 1.4M sq. ft. of world class manufacturing and integration facilities.



SHIELD AI

Shield AI43
Shield AI builds self-driving technology that enables swarms of unmanned systems to operate on the edge without GPS, communications, or remote pilots. Further, by applying reinforcement learning to scalable simulations, Shield AI trains unmanned systems to learn new tactics and behaviors to autonomously accomplish new missions ranging from clearance operations with SUAS to breaching integrated air defense systems with Group 2-5 UAS. Backed by top-tier Venture Capital funds, Shield AI is differentiated by its fielded, combat-proven AI-products and its world-class AI engineering team. Our mission is to build artificially intelligent systems to protect service members and civilians.



Sikorsky, a Lockheed Martin Company30
Sikorsky, a Lockheed Martin Company, is celebrating over 40 years of Black Hawk production and its incredible relationship with the U.S. Army dating back to the first purchase of the R-4 Helicopter in 1942. Today, Sikorsky continues its strong relationship with the U.S. Army by highlighting its "X2" future vertical lift technologies, designs, flight test programs and services. This year we will have the RAIDER aircraft on display and the option to schedule a flight in the RAIDER simulator.

TEXTRON Systems

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"Textron Systems is a world leader in unmanned air, surface and land products, services and support for aerospace and defense customers. Harnessing agility and a broad base of expertise, Textron Systems' innovative businesses design, manufacture, field and support comprehensive solutions that expand customer capabilities and deliver value."



uAvionix7
uAvionix provides microavionics solutions to aid in the integration of Unmanned Aircraft Systems (UAS) into National Airspace Systems (NAS) and Secure Military airspace. uAvionix offers low C-SWaP TSO certified and uncertified avionics for General Aviation (GA), Airport Surface Vehicles and the Civil and Defense UAS markets.

Exhibitor Profiles



Vertex Solutions.....34
Vertex Solutions is a Woman-Owned Small Business headquartered in Champaign, IL. For more than 25 years, we've provided award-winning innovations and custom solutions to help our customers exceed their individual and organizational goals. In addition to our cutting-edge extended reality Compact Aviation Training System (XR CATS), Vertex offers the full spectrum of training support products and services, from classroom instruction and on-site support, to custom mobile apps and all levels of interactive multimedia instruction (IMI). Learn more at <https://www.vertexsolutions.com>



Viasat.....35
At Viasat, we're on a mission to connect every warfighter, platform, and node in the battlespace. As a global communications company, we power millions of fast, resilient connections for military forces around the world – connections that have the capacity to transform the mission – in the air, on the ground, and at sea. Our customers depend on us for connectivity that brings greater operational capabilities, whether we're securing the U.S. Government's networks, delivering satellite and wireless communications to the remote edges of the battlespace, or providing Army Aviation with the ability to perform mission-critical communications while in flight. We're a team of fearless innovators, driven to redefine what's possible. And we're not done – we're just beginning.



Viewpoint Systems.....18
Visit Viewpoint Systems at the Army Aviation Industry Days. Viewpoint is an industry-leading manufacturer of ruggedized video displays and mission computers. Our products are used globally on a wide variety of air, ground and sea platforms including the International Space Station and the Lockheed Martin x59 QueSST. Viewpoint's products are built to withstand extreme environments and comply with MIL-STD specifications. Designed and manufactured in the USA with a comprehensive 2-year warranty. Please visit our website at www.viewpointproducts.com



Vinnell Arabia.....11
Aviation Professionals! Vinnell Arabia, is a defense contractor in Saudi Arabia and has over 40 years of success training the Saudi Arabian National Guard. Vinnell Arabia is a military knowledge transfer company, which delivers a full range of products and services for their combat aviation forces. They also deliver customized doctrine-based aviation training, full-scope maintenance, logistics support services and military translation solutions. They are recognized as a world class leader and provider of technical services, military training, program management, facilities operation/maintenance, educational and vocational training, as well as logistics support and Aviation training and support in the Middle East. Presently, Vinnell Arabia is recruiting prior and retired military personnel, as well as qualified civilian pilots and maintainers with current certifications and experience to become members of this world class team.

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Entertainment

KEN BLOCK AND DREW COPELAND
OF THE PLATINUM-SELLING SOUTHERN ROCK BAND
SISTER HAZEL
SISTER HAZEL'S "THE KEN AND DREW SHOW"

Ken Block and Drew Copeland, best known as two of the five members of the platinum-selling southern rock band Sister Hazel, will bring their wildly successful tunes to select cities for intimate, "miss it and miss out" acoustic shows, reminiscent of their earlier performance days when they canvassed the club and coffee shop circuit as a duo from Gainesville, Florida.

While performing over 100 shows each year with the band, Block has long been praised by both media and fans alike for his powerful and emotion-evicting voice which is both unique and instantly recognizable thanks to a string of radio hits including "All For You," "Change Your Mind," "Happy," "Champagne High," and others. Over the last 15 years, he and the band have been prolific in the studio and at live shows.

Similarly, Copeland is also a celebrated songwriter and vocalist, in 2004 he released a solo album, "No Regrets." An avid sports and music lover, Copeland has been honing his songwriting skills in Nashville, Tennessee over the last decade with some of country music's finest tunesmiths.

Sister Hazel is known for their personal approachability and fan-friendly events including being Co-Founders of THE ROCK BOAT, founders of the annual Hazelnut Hang, and for starting their own "Lyrics for Life" charity and raising nearly 1 million dollars for childhood cancer research and family support programs. As University of Florida alumni, Copeland and Block also returned to their alma mater to be the first-ever celebrity hosts of the world's largest student run pep rally, Gator Growl.

Sister Hazel songs have appeared in many motion picture soundtracks over the last decade including 10 Things I Hate About You, Major League: Back to the Minors, The Wedding Planner, Clay Pigeons, American Wedding, and Bedazzled.

As two of our generations' most engaging and prolific songwriters, "The Ken and Drew Show" will take fans through intimate acoustic performances of Sister Hazel favorites, a few "B sides" and deep cuts, and new material that writers have called "some of the freshest new music to come out of Music City". No evening with Ken and Drew would be complete without lots of laughs and some crafty storytelling, all delivered using with their well-known wit. These shows are truly "miss it and miss out".



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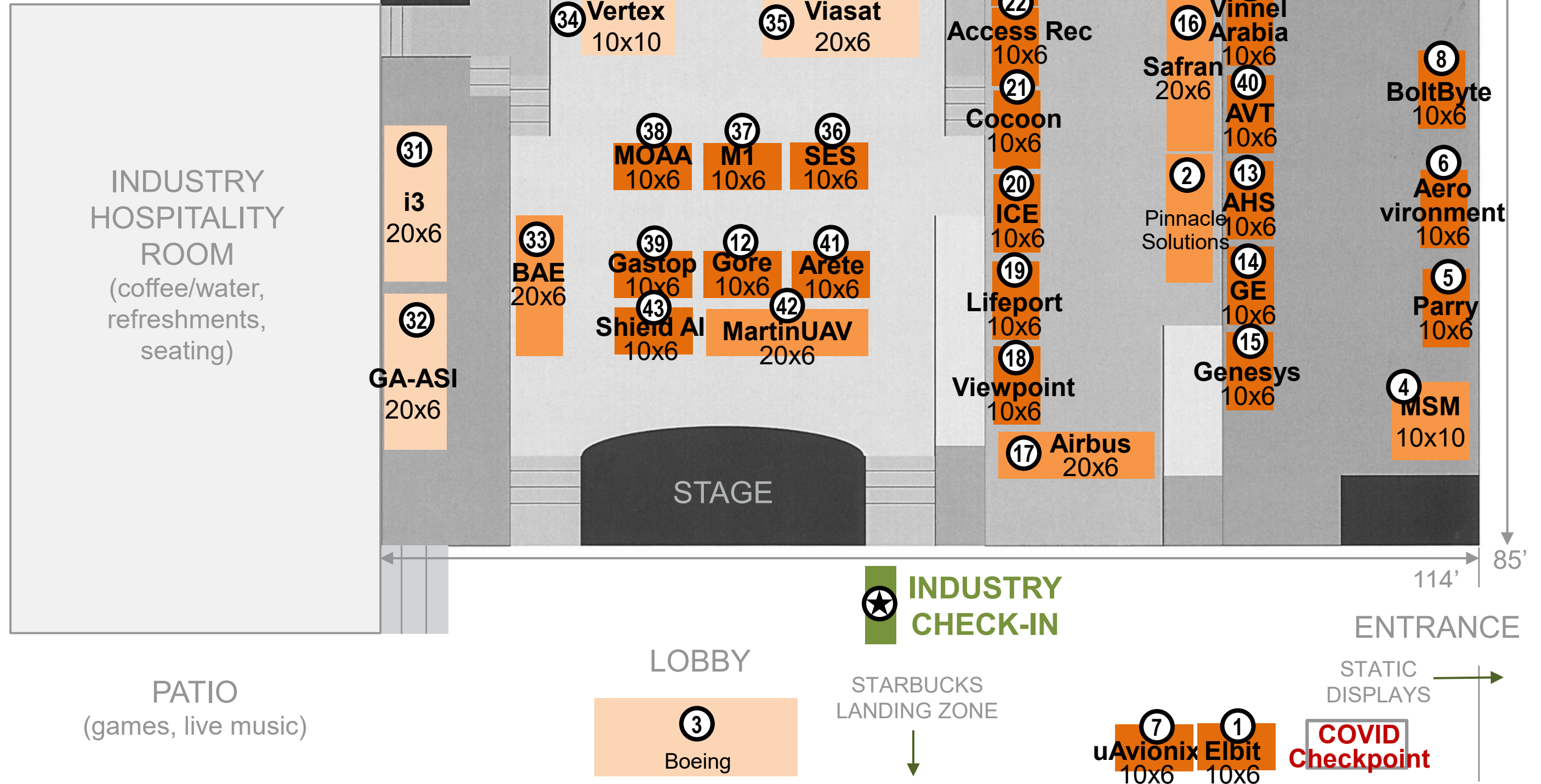
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INDUSTRY BOOTHS MAP

The Landing



*No Power: #s 7, 8, 19, 36





Propulsion expertise



BELL V-280 VALOR

Photo Credit: Bell ©2020

Rolls-Royce is excited to join Bell and Team Valor to provide exceptional operational capability and affordability over the product life cycle to the U.S. Army for the Future Long Range Assault Aircraft (FLRAA) program. Bell and Team Valor will deliver a refined Bell V-280 aircraft design, building on years of experience and flight test, with Rolls-Royce providing propulsion expertise developed across more than six decades of industry-leading, powered-lift experience.



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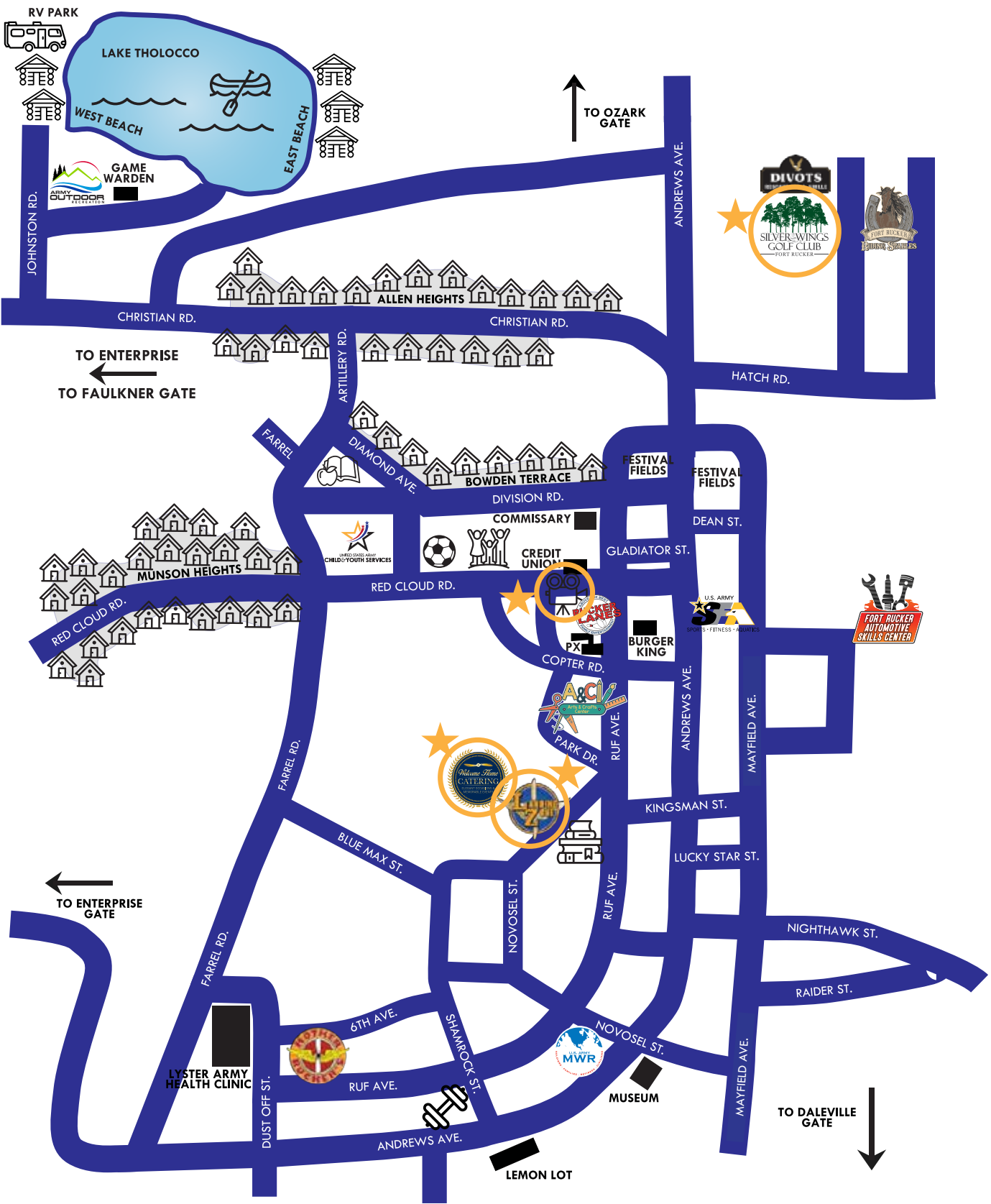
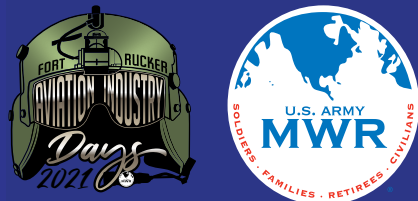
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ARMY AVIATION INDUSTRY DAYS



Map not to scale.

MAP LEGEND

- Outdoor Recreation & Lake Lodging • Bldg. 24235
- East Beach Cabins • East Beach
- Singing Pines Cabins • West Beach
- Silver Wings Golf Club • Bldg. 20067
- Divots Restaurant & Grille • Bldg. 20067
- Riding Stables • Bldg. 20091A
- School Age Center • Bldg. 2806
- Youth Center • Bldg. 2800
- Youth Sports Fitness Center • Bldg. 8950
- Child Development Center • Bldg. 8938
- Rucker Lanes Bowling Center • Bldg. 9227
- Post Theater (Reel Time Theater) • 20 Red Cloud Rd
- Fort Rucker Physical Fitness Center • Bldg. 4605
- Automotive Skills Center • Bldg. 1902
- Arts & Crafts Center • Bldg. 9205
- Center Library • Bldg. 212
- The Landing and Landing Zone • Bldg. 113
- Welcome Home Catering • Bldg. 113
- Fortenberry-Colton Physical Fitness Center • Bldg. 5900
- Mother Rucker's Sports Bar • Bldg. 319
- Soldier Service Center • Bldg. 5700
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 - Lending Hangar
 - DFMWR & Support Services
 - CYS Parent Central Services



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CAE USA is proud to be part of the Fort Rucker community and support the U.S. Army's Aviation Center of Excellence. From rotary to fixed-wing, CAE USA delivers classroom instruction, advanced simulation and live flight training for our Army aviators.



CAE USA serves the men and women transitioning to fly the Army's frontline combat helicopters through the advanced helicopter flight training support program. We now provide the instructor pilots required to deliver the flight training to approximately 900 Army aviators annually transitioning to the CH-47 Chinook, UH-60 Black Hawk, and AH-64 Apache helicopters, as well as maintenance examiners and non-rated crewmember flight engineers providing flight training

support services. When combined with the fixed-wing flight training program we support at our Dothan Training Center, CAE USA provides the Army with a modern and flexible flight training program utilizing academic, synthetic, and live flight instruction.

CAE's acquisition of L3Harris Technologies' Military Training business, to include Link and Doss Aviation, combines 160 years of experience and industry firsts to better support the needs of our defense and security customers.



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