

# Military Training Technology

ONLINE EDITION

## 2008 Guide to the World's Top Simulation and Training Companies

By Staff

The results are in—we're recognizing the top performers in the global simulation and training industry.

*Military Training Technology is proud to announce the 2008 MT2 Top Training and Simulation Companies. The list's companies are from around the world that have made a significant impact on the military training industry this year across the spectrum of technologies – distance learning, live training, virtual and constructive simulation, modeling, gaming and others.*

*An impartial panel selected the winners. Companies were selected based on various criteria, which, in part, included total military sales, innovations and program effectiveness.*

*The Top Training and Simulation Companies are listed in alphabetical order. Those that made the most significant contributions to the training community are recognized with ribbons. A red ribbon indicates a company that had been involved with or spearheaded a program of the year—programs that are revolutionizing military training. A yellow ribbon designates a company that is quickly rising in the industry and is considered up-and-coming. A green ribbon denoted the company leads the industry in military sales, regardless of total revenue. A blue ribbon signifies the company leads the industry in innovation.*

*KMI Media Group and MT2 thank the companies that submitted nomination packages for this year's competition.*

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### **AAI CORPORATION - BEST PROGRAMS**

AAI is a top-rated global corporation which develops, produces, supports and upgrades sophisticated unmanned systems, test systems and training systems for the U.S. DoD and international defense customers. We provide hands-on, onsite training and engineering services for our products. Our aggressive R&D efforts cross a wide spectrum of cutting-edge technologies—including a superior family of systems that detect gunfire from hidden or distant sources, as well as reduced-weight small arms and ammunition. Whether for multimillion dollar contracts or smaller, one-of-a-kind prototypes, our professionals consistently apply innovative technologies to achieve exceptionally successful results for every challenge.

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**ADACEL** Adacel is a global software technology and systems integrator. The company is the leading developer of critical aviation, speech recognition, and advanced simulation and training systems for military and commercial enterprises. The company operates in the global aerospace systems market including operational air traffic management, airborne vehicle voice control systems, and airport, air traffic control and pilot training. Adacel focuses on three converging

knowledge domains, realtime software, simulation training and support and voice control technology. Adacel's leadership position is derived from our focus on these three complementary domains and our ability to create innovative products and solutions for the markets we serve.

[info@adacel.com](mailto:info@adacel.com) • [www.adacel.com](http://www.adacel.com)

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#### **ADVANCED TRAINING SYSTEMS INC.**

For 35 years, Advanced Training Systems, Inc. (ATS) has been manufacturing and installing innovative combat live fire training systems for the U.S. military. During the past 10 years, ATS has concentrated its product development efforts in creating a wide range of new live fire training systems to support the military's new training doctrines as related to MOUT urban operations.

[www.atsusa.biz](http://www.atsusa.biz)

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#### **ALION SCIENCE AND TECHNOLOGY**

Alion Science and Technology is an employeeowned technology solutions company delivering technical expertise and operational support to the Department of Defense, civilian government agencies and commercial customers. Building on 70 years of R&D and engineering experience, Alion brings innovation and insight to multiple business areas: naval architecture and marine engineering; defense operations; systems engineering; modeling and simulation; information management and technology; chemical, biological, nuclear and environmental sciences; wireless spectrum engineering; and industrial technology.

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#### **AMERICAN SYSTEMS**

Founded in 1975, American Systems is one of the largest employee-owned companies in the United States, with approximately 1,500 employees nationwide. The company provides systems engineering, technical and training services to government and private sector customers. American Systems was named "Contractor of the Year" at the Greater Washington Government Contractor Awards in October, 2007. Accomplishments: We have upgraded our courseware generation software and portal to provide ADL-ready content in a Web-based development and delivery environment.

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#### **AMSEC LLC**

AMSEC LLC is a limited liability corporation operated as a wholly owned subsidiary of Northrop Grumman Shipbuilding. With annual revenue of approximately \$225 million and 2,200 employees nationwide and overseas, AMSEC LLC is a fullservice supplier to the Navy and commercial maritime industry, providing naval architecture and marine engineering, naval ship systems assessments, maintenance engineering, acquisition program development, shipyard industrial engineering and complete logistics services from technical manual development to provisioning documents to spare parts management and training.

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## **ANTYCIP SIMULATION**

Antycip Simulation is recognized as the European leader in the delivery of independent modelling and simulation COTS software tools, hardware toolkits and simulation projection solutions. With over 10 years of presence in training, simulation, visualization and virtual reality, Antycip Simulation has regional offices with commercial and engineering support in France, the United Kingdom, Germany, Sweden, Italy and Spain. Antycip Simulation is proud to distribute, represent and support the products from MÅK Technologies, DiSTI, Boston Dynamics, Bionatics, CM Labs, Kynogon, Harris Image Links, Scalable Network Technologies, TerraSim, Trian Graphics, OKTAL, Polysim, RTDynamics, ART, 3DPerception, projection design and Christie Digital throughout Europe.

[info@antycip.net](mailto:info@antycip.net) • [www.antycip.com/simulation](http://www.antycip.com/simulation)

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## **APTIMA INC.**

Aptima, Inc. is a leader in the field of humancentered engineering, solving the problems of human performance in today's complex, sociotechnical systems. Aptima's unique approach couples social science principles with quantitative, computational methods. The company provides products and services focused on the design of organizations, user-centered technology and training systems. In the national security sector, Aptima applies this expertise to analyze adversaries and the socio-cultural terrain in which they operate.

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## **ATLANTIS SYSTEMS CORP.**

Atlantis builds simulation-based integrated training solutions that teach the hard skills required to operate complex, expensive and dangerous assets.

[support@atlantissi.com](mailto:support@atlantissi.com)

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## **AVT SIMULATION - BEST PROGRAMS**

As a certified SBA 8(a) company, AVT provides expert, cost-effective engineering services and product solutions to our customers. We target gaps not well supported by traditional suppliers and we do so in a manner commensurate with our heritage and values, keeping "first things first" to provide for our customers, our employees, and our families.

[info@avtsim.com](mailto:info@avtsim.com) • [www.avtism.com](http://www.avtism.com)

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## **BARCO**

Barco is the world leader in high-performance, high-quality display systems for simulation training applications. Every day Barco systems play an important role in helping companies visualize their solutions so they can be more productive and realize bottom-line advantages. Barco display systems are used in flight simulators, ship bridge simulators, mission rehearsal simulators, driving simulators and firearms training simulators. From a simple projection system to complex immersive visualization environments, Barco has the experience and resources to deliver a complete system solution to meet the customer's unique application needs.

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## **BIONATICS**

Bionatics is an innovative leader in procedural terrain technologies since 2004. Our solutions—Blueberry3D and RealNat—are addressing the commonly encountered issues confronted by typical and not so typical military training simulation environments in a totally new way.

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## **BLUE RIDGE SIMULATION INC.**

Blue Ridge Simulation is rapidly becoming the leading worldwide supplier of high-performance radar simulation systems. By continuing to advance our real-time radar modeling software, and taking advantage of ever-expanding COTS PC capabilities, BRS is now able to provide highly realistic simulations of virtually any type of radar using low-cost COTS hardware.

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## **CACI INTERNATIONAL INC.**

CACI International Inc provides the IT and network solutions needed to prevail in today's new era of defense, intelligence and e-government. From systems integration and managed network services to knowledge management, engineering, simulation and information assurance, our solutions lead the transformation of defense and intelligence, assure homeland security, enhance decision-making and help government to work smarter, faster and more responsively. CACI, a member of the Russell 2000 and S&P SmallCap 600 indices, provides dynamic careers for more than 12,000 employees working in over 100 offices in the U.S. and Europe.

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## **CAE - HIGH REVENUE**

CAE is a world leader in providing simulation and modeling technologies and integrated training solutions for the civil aviation industry and defense forces around the globe. With annual revenues exceeding C\$1.4 billion (U.S. \$1.39 billion), CAE employs more than 6,000 people at more than 75 sites and training locations in 20 countries. CAE has the largest installed base of civil and military full-flight simulators and training devices. Through the company's global network of 27 civil aviation and military training centers, CAE trains more than 75,000 crewmembers yearly. CAE also offer modeling and simulation software to various market segments and, through CAE's professional services division, CAE assists customers with a wide range of simulationbased needs.

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## **CALYTRIX TECHNOLOGIES INC. - UP AND COMING**

Calytrix Technologies specializes in the delivery of live, virtual and constructive (LVC) simulation into the military training market. Uniquely combining LVC environments for both collective and individual training, Calytrix is at the forefront of modern training design, conduct and review. By integrating advanced technologies with military understanding and ethos, Calytrix enhances operational preparedness and training.

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## **CAMBER CORPORATION**

Camber Corporation is an employee-owned company serving the U.S. Department of Defense and international partners at 106 locations worldwide. We are a full-spectrum training provider credited with some of the earliest and most successful efforts in simulation-based acquisition, radar and sensor simulations, and corresponding joint force curricula. We're a leader in stability operations training and civil-military support, and employ a service network touching training and simulation interests in every joint combatant command; over 150 Army, Air Force and Navy programs; National Guard headquarters in every state and territory; and over 25 NATO or coalition countries in Europe, Asia and Africa.

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## **CARLEY CORPORATION**

Carley Corporation provides technology-based custom solutions to improve individual and organizational performance. Carley blends instructional systems design methodology, human performance technology (HPT), information technology (IT) and management solutions to provide measurable performance results, and maximum retention and transferability of knowledge and skills to the job.

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## **CARNEY INC. - UP AND COMING**

Carney's mission is to improve the performance of our clients by accelerating knowledge to ultimately produce the outcomes our clients require. With an exclusive focus on the federal government, Carney is passionate about providing civilian and military personnel with a performance edge second to none.

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## **CHI SYSTEMS INC. - INNOVATION**

CHI Systems, an OSI Geospatial company, is a leader in human-centered solutions for training, simulation and decision support that address a broad spectrum of defense, security and safety needs. CHI Systems' solutions are based on over 20 years of DoD-sponsored research and development and incorporate advanced capabilities in cognitive modeling, team training, multimodal interaction, scenario authoring and performance assessment. Our staff of engineers, computer scientists, psychologists, instructional designers and artists includes many holding advanced degrees or military expertise.

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## **CHRISTIE DIGITAL SYSTEMS INC.**

Christie display technology is used in high performance simulation environments all over the world. Christie delivers turn-key solutions for highperformance simulation environments including high-resolution power walls, curved screen displays, domes and faceted displays. Comprised of leadingedge display technology and world-class system integration expertise, Christie simulation solutions can produce images in any size or shape, front or rear projected, spherical, cylindrical, on conic or flat screens, from small-team scale screens to large scale dome configurations. A world leader in simulation display solutions, Christie's has a customer-centric approach to business and a rich history of delivering high-quality, reliable solutions and providing unprecedented levels of customer service and support.

[dave.kanahale@christiedigital.com](mailto:dave.kanahale@christiedigital.com) • [www.christiedigital.com/simulation](http://www.christiedigital.com/simulation)

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## **COMBAT TRAINING SOLUTIONS INC. - INNOVATION**

Combat Training Solutions, Inc., is a servicedisabled, veteran-owned small business providing non-pyrotechnic battlefield special effects simulators and training for military and security organizations around the world. Our mission is to design, manufacture and integrate advanced simulation and training technologies that meet the demand for live training and more closely reflect the challenges and tactics used by terrorists and insurgents. Our proven solutions have produced sustainable performance improvements by allowing warfighters to experience direct contact and engagement response mechanisms in live training environments. By combining in-depth domain knowledge with technical excellence, CTS is delivering today's solutions for tomorrow's warfighters.

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## **CONCURRENT COMPUTER CORPORATION**

With over 40 year of experience, Concurrent is a leading worldwide provider of real-time Linux operating systems, software and integrated computer solutions for mission-critical applications in commercial and government markets. Concurrent real-time computer systems are used in a wide range of important simulation applications including the F-16 Pilot Training Systems at Luke AFB Network Training Center, C-17 Globemaster, B-1B Lancer, B-2 Spirit, B-52 Stratofortress, THAAD Missile Defense, EA-6B Prowler, Tomahawk ACM, Eurofighter, Eurocopter and K-Series Tank Platoon Simulator.

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## **CUBIC CORPORATION**

Cubic Defense Applications, a major segment of Cubic Corporation (Amex: CUB), is a leading provider of live air and ground combat training systems, virtual training systems and systems integration. Cubic provides innovative readiness solutions for urban operations, joint, combined and multinational training missions. Cubic also supplies high-value services to government clients, including homeland security and live training support, constructive simulation and

advanced learning technologies. Cubic's systems and services support any mission—from squad through brigade-level training—in live, virtual and constructive domains. Additionally, Cubic supplies communications systems, including C4ISR data links, electronic warfare, avionics and HF communications products.

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### **DIAMOND VISIONICS LLC - UP AND COMING**

DVC is a small business built on the diversity of blending the best of simulation, gaming and university engineering concepts to build marketleading technologies used primarily in the defense modeling and simulation market and growing in the GIS visualization markets. Everything DVC builds and patents has changed the industry standards by defining new levels of performance at the same time being more cost efficient to deploy and operate. In the coming year, DVC has set out to redefine the COTS viewer market with GenesisRT based technologies as well as define what is possible for Dynamic Terrain enabled viewers.

[info@dvcsim.com](mailto:info@dvcsim.com) • [www.dvcsim.com](http://www.dvcsim.com)

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### **DIGIMATION - UP AND COMING**

Digimation is a world leader in 3-D content solutions for training, simulation, and visual communication. 3-D content is at the heart of virtually every real-time simulation, computer-based training program, and interactive courseware application in use today. The more realistic and accurate the 3-D content, the more engaging, productive, and effective the experience. Digimation also develops the world's largest library of readymade, technically accurate 3-D models and provides a number of custom services for the creation of 3-D content, computerbased training, animations and interactive courseware.

[sales@digimation.com](mailto:sales@digimation.com) • [defense.digimation.com](http://defense.digimation.com)

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### **DISTI - INNOVATION**

DiSTI is a global leader in human machine interface development tools and the developer of GL Studio, the company's flagship solutions. DiSTI is also renowned worldwide for its simulation professional series training classes. DiSTI's unique blend of products, services and training provides the global simulation and training market with the expertise, advanced capabilities and resources for today's next generation warfighter.

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### **DME CORPORATION**

DME Corporation designs, produces and supports defense systems. Products and services include training and simulation systems, automated communications test and maintenance equipment, logistical and engineering services, and other leading edge technology solutions for defense needs. DME simulators are used to train U.S. Air Force aircraft mechanics and technicians in the maintenance and repair of F-22 aircraft systems to include seat, canopy and

radar systems. DME's Stinger Troop Proficiency Trainer is currently in use by the U.S. Army and Marine Corps and foreign militaries to provide familiarization and proficiency training on the Stinger missile launch system. ISO 9001/2000/AS 9100 certified.

[trainandsim@dmecorp.com](mailto:trainandsim@dmecorp.com) • [www.dmecorp.com](http://www.dmecorp.com)

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## **DYNAMICS RESEARCH CORPORATION**

Dynamics Research Corporation (DRC) is a leading provider of innovative information technology, engineering, logistics, and training and simulation solutions to federal, state and local customers. DRC combines proven processes and technologies with significant subject matter expertise to develop solutions to customers' mission-critical challenges. DRC's core capabilities are focused in six core areas: business transformation, business intelligence, acquisition management, IT infrastructure services, automated case management and training and performance support.

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## **EADS NA DEFENSE SECURITY AND SYSTEMS SOLUTIONS INC. - INNOVATION**

The company provides immediate and longterm quality information assurance and secure network solutions for commercial and government organizations to assure the availability, authenticity, integrity and confidentiality of information, and protection of information technology resources.

[sales@eads-na-security.com](mailto:sales@eads-na-security.com) • [www.eads-na-security.com](http://www.eads-na-security.com)

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## **ELBIT SYSTEMS LTD.**

Elbit Systems Ltd. is an international defense electronics company engaged in a wide range of defense-related programs throughout the world, in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR), advanced electro-optic and space technologies and training and simulation. With over three decades of experience in training and simulation programs, the company offers across-the-board systems engineering and integration expertise applied to a comprehensive line of air, ground and naval training and simulation solutions. These solutions range from mission preparation, through execution, to post-mission debriefing and analysis. Blending relevant combat experience with advanced simulation techniques and performance capabilities, the company has designed, developed and delivered operational and tactical, virtual and embedded trainers and simulators to leading military forces worldwide.

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## **EMERGENT GAME TECHNOLOGIES - UP AND COMING**

Emergent Game Technologies is the leading source for all simulation development needs. Emergent's engine package, Gamebryo powers projects such as ICT's Flatworld and ICT's Joint Fires and Effects Trainer System (JFETS). We provide developers with all the tools they need to

build applications that break new ground in every field: graphics, content, user experience and technology. Emergent develops flexible technology that supports the needs of designers, artists and programmers and integrates easily with other tools and applications in today's development pipelines.

[salesvs@emergent.net](mailto:salesvs@emergent.net) • [www.emergent.net](http://www.emergent.net)

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## **ENGINEERING & COMPUTER SIMULATIONS INC.**

Engineering & Computer Simulations, Inc. is a military training technology company located in Orlando, Fla. The core mission of the organization is to provide advanced learning technology solutions to clients within the commercial and government sector. The company's exponential growth is a direct reflection of the superior training and simulation products that are being delivered to ECS customers.

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## **ENVIRONMENTAL TECTONICS CORPORATION AND NATIONAL AEROSPACE TRAINING AND RESEARCH CENTER**

The Environmental Tectonics Corporation and its National Aerospace Training and Research (NASTAR) Center design, manufacture and provide training on the most cutting edge, motion-based flight simulation equipment available anywhere to date. ETC and the NASTAR Center's desire and vision is to internationally provide the most optimal training of aircrew in and effort to, through technology and experience, reduce flight mishaps to zero.

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## **EPIC GAMES INC.**

Epic Games develops cutting-edge games and cross-platform game engine technology used for a range of 3-D applications. The company has created multiple million-selling, award-winning titles in its Unreal series, and its breakthrough game, Gears of War, sold 5 million copies and won over 30 game of the year awards. Epic's Unreal Engine 3 is the current holder and three-time consecutive winner of Game Developer magazine's Best Engine Front Line Award.

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## **FIDELITY TECHNOLOGIES**

Fidelity Technologies Corporation is a leading global supplier of quality services and products to government, Department of Defense, and commercial clientele in the areas of simulation training, field support services, military and aerospace manufacturing, and meteorological products and systems. For international customers, we provide foreign military sales service and support on military contracts.

[www.fidelitytech.com](http://www.fidelitytech.com)

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## **FORTERRA SYSTEMS INC.**

Forterra Systems is the leader in providing private, virtual world technology for the corporate, health care, government, education and entertainment industries. Forterra's software and services enable organizations to train, plan, rehearse and collaborate using new media technologies integrated into a compelling 3-D virtual world. Since 1998, the company has used its unique combination of experience in social networks, video game production, modeling and simulation, real-time graphics, operating systems, artificial intelligence, enterprise software and corporate training to deliver innovative solutions for a wide variety of applications.

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## **GENERAL DYNAMICS C4 SYSTEMS**

General Dynamics C4 Systems develops and integrates communication and information systems and technology for a myriad of U.S. government programs, allied nations and select commercial customers globally. We deliver secure command, control, communications and computing networks that meet the vital needs of our customers. Our military and firstresponders can do their jobs more safely and effectively because our products and services enable secure, fast and efficient information and communication exchange.

[info@gdc4s.com](mailto:info@gdc4s.com) • [www.gdc4s.com](http://www.gdc4s.com)

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## **IBM CORPORATION**

IBM is a globally integrated technology company focused on innovation enabling its customers to differentiate themselves—an “innovator's innovator.” IBM's defining value is not its assets, size or offerings. It is the way it thinks. Companies, institutions and individuals trying to imagine what the world might be—and actually build it—look to IBM for its unique capacity to conceptualize opportunities, to analyze developments, to tackle and overcome challenges. IBM leverages its services, hardware and software offerings and technologies to overcome these challenges.

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## **INTERACTIVE DATA VISUALIZATION**

Interactive Data Visualization Inc. (IDV) develops software products with a focus on real-time three dimensional applications for the visual simulation, game development, engineering visualization, and animation industries.

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## **INTERSENSE INC.**

InterSense is a motion management technology company that enables real-time tracking of position, orientation and movement of people and objects, bringing higher speed and quality to military simulation and training programs, visual guidance systems and inertial softwarebased applications used in animation, biomechanics and industrial control. InterSense's motion management technology makes motion tracking easy, with sensing products that are rugged, reliable, precise and customizable— backed by a dedicated, experienced support team.

InterSense's hybrid technology accurately tracks motion with an unmatched combination of low latency, size, cost and precision, enabling dynamic tracking in virtually any environment, by optimizing inertial, optical and acoustic sensing approaches.

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## **J.F. TAYLOR INC.**

J.F. Taylor, Inc. designs, manufactures and integrates high-fidelity flight simulators, cockpits, and components. We also perform simulator modifications and upgrades, and develop visual databases for military customers and contractors. J.F. Taylor's flight simulators and products are highly praised for their exceptional reliability and quality by the military training personnel who use them, though the privately-owned company is not well known internationally. With 250 employees, we are a small business prime under NAWC Training System Division's TSC II contract, and the company is certified to ISO 9001:2000 with Design.

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## [Award Winners - K-Z](#)

### **2008 TOP TRAINING & SIMULATION COMPANIES: K-Z:**

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## **KITCO FIBER OPTICS**

KITCO Fiber Optics is a recognized leader in fiber optic training, and we offer a diversified variety of "hands-on" certified training for all branches of our armed forces and defense contractors. We have served for eight years as the U.S. Navy's sole approved shipboard fiber optic trainer. Following the same model we developed with the U.S. Navy, we are now applying the most current fiber optic technologies to provide strategic MIL-STD compliant practices for training and field services for the military aviation community, the U.S. Marine Corps and the U.S. Army.

[info@kitcofo.com](mailto:info@kitcofo.com) • [www.kitcofo.com](http://www.kitcofo.com)

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## **L-3 LINK SIMULATION & TRAINING**

L-3 Link Simulation & Training is a global leader in developing and fielding integrated training systems and support services for U.S. and foreign militaries. In this role, L-3 Link invests substantially in the development of next generation training solutions aimed at improving warfighter training realism. In developing next generation training solutions L-3 Link is introducing these advanced systems across a wide range of fixed-wing, rotarywing and unmanned aircraft system platforms.

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## **LOGISTICS SERVICES INTERNATIONAL INC.**

LSI is organized to specifically provide training courseware development, technical data support, part task and desktop simulation and gaming for the U.S. Department of Defense, Department of Homeland Security and the aerospace industry. LSI has provided continuous military training

services to U.S. and foreign military customers for 30 years, with 20 years of experience developing computer-based training, including SCORMconformant Interactive Courseware since the inception of SCORM. LSI is a customer-focused organization with 450 of our 500 (plus) employees directly supporting training product development. With a superb performance record supporting military training programs, LSI is also a principal subcontractor to aerospace original equipment manufacturers for numerous military training programs.

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### **MÄK - INNOVATION**

MÄK, a company of VT Systems Inc., develops software to link, simulate and visualize the virtual world. MÄK creates tools and toolkits for distributed simulations, develops PC-based military tactical and operational trainers, crafts custom solutions, and researches and develops the latest simulation technologies. The company builds commercial off-the-shelf simulation software that is flexible, portable and supported. MÄK puts its distributed simulation expertise in each of its interoperable products, from the VR-Link networking toolkit, to VR-Forces, MÄK's computer generated forces toolkit. MÄK's worldwide customers include ITT Industries, Boeing, Lockheed Martin, Raytheon, Thales, RUAG, Saab and BAE.

[info@mak.com](mailto:info@mak.com) • [www.mak.com](http://www.mak.com)

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### **MERIDIAN KNOWLEDGE SOLUTIONS LLC**

The Meridian Global LMS (learning management system) integrates learning content, work force analytics, knowledge management and competency modeling in one software platform for the military. Along with its LMS, Meridian provides professional services, courseware development and hosting services. Meridian serves 4.5 million people at more than 200 public- and private-sector employers, including the U.S. armed forces as well as more than 80 federal, state and local governments. Meridian's award-winning software aims to deliver learning, distribute knowledge and sharpen skills, which help warfighters accomplish their mission. Meridian is a wholly owned subsidiary of Visionary Integration Professionals.

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### **META VR - BEST PROGRAMS**

MetaVR creates 3-D real time PC-based visual systems that provide the fidelity of geospecific simulation with game quality graphics. MetaVR software's products enable users to build highfidelity virtual worlds with its terrain generation applications and render the resulting virtual world with its realtime 3-D visualization application, Virtual Reality Scene Generator.

[inquiries@metavr.com](mailto:inquiries@metavr.com) • [www.metavr.com](http://www.metavr.com)

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### **MINERVA ENGINEERING LLC - UP AND COMING**

Minerva Engineering is a service-disabled, veteranowned small business specializing in integrating conventional and unconventional technologies, tools and techniques to design,

develop, integrate and test, critical systems for the defense and intelligence communities. We provide engineering services, C4ISR system development and high fidelity emulator development for virtual reality training systems. Minerva Engineering provides “Best in Class” hardware and software products to DoD and industry partners for use in live, virtual and constructive training environments. Our high fidelity emulators and Advanced Core Emulator software combines with simulated equipment and actual equipment to provide realistic training that makes the warfighter more effective.

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**MSE WEIBULL AB** MSE Weibull is a company with a high level of innovation supplying its customers with advanced system solutions. The company offers system solutions within the sectors of industrial production equipment and defense training equipment. MSE Weibull’s customers are industrial companies in leading position and defense organizations in Sweden and international.

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### **MYMIC LLC - UP AND COMING**

MYMIC combines a broad military background with expertise from the research and academic worlds to create deeply reasoned, rigorous, innovative, and executable training solutions that meet the life-long learning challenges of today’s work force. Core competencies include training studies and assessments, modeling, simulation and visualization development and associated product development and analysis services.

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### **NGRAIN CORPORATION**

NGRAIN transforms the sustainment of complex equipment with 3-D performance support solutions for the aerospace and defense industry. NGRAIN increases equipment readiness by accelerating learning on complex equipment, enabling first-time right performance by maintainers, and reducing maintenance cycle time. NGRAIN is optimized for Web deployment and portable devices. With NGRAIN, anyone can rapidly incorporate interactive 3-D equipment simulations into sustainment applications, including courseware and technical manuals. Customers include all branches of the U.S. military, the Canadian forces, and leading defense manufacturers and system integrators, including Lockheed Martin, Northrop Grumman and CAE.

[info@ngrain.com](mailto:info@ngrain.com) • [www.ngrain.com](http://www.ngrain.com)

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### **NON LETHAL TRAINING MUNITIONS LLC**

Non Lethal Training Munitions seeks to create the safest, most realistic training aids possible, using non-pyrotechnic technologies.

[www.nltm.us](http://www.nltm.us)

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## **POLHEMUS - INNOVATION**

At Polhemus, it is our mission to give customers the power to break new ground through innovative, cost effective enabling technologies for the real and virtual world. We engineer and manufacture specialized 6-degree-of-freedom warrior and weapon tracking input devices necessary for today's future force warrior to train more effectively. Polhemus brings over 40 years of corporate history, patented technology and success to the military and commercial marketplaces.

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## **PRESAGIS - UP AND COMING**

Presagis is the leading provider of commercial off-the-shelf (COTS) software for the modeling and simulation (M&S) market. Built on a corporate legacy of innovation and service, Presagis helps customers in the aerospace, defense and automotive industries to create, train, simulate and visualize. Presagis is committed to providing excellent customer care through innovative software development, an unmatched product portfolio, and a standards-based approach to meet industry needs. Serving more than 1,000 customers worldwide through direct sales and a global distributor network, Presagis software is used by world respected organizations, including Boeing, Lockheed Martin, BAE Systems and Rockwell-Collins.

[info@presagis.com](mailto:info@presagis.com) • [www.presagis.com](http://www.presagis.com)

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## **QUANTADYN CORPORATION**

QuantaDyn's mission is to provide our customers with state-of-the-art simulation using strong fundamental design concepts and innovative engineering solutions while taking full advantage of commercial off-the-shelf (COTS) hardware and software. Our engineers are committed to our motto of "advanced engineering built on solid fundamentals," which results in high-fidelity simulation models that are advanced, robust and flexible. This approach allows us to provide for our customers' current needs while laying a foundation to support future requirements. We always work with the customer to provide the solutions they are looking for within schedule and budget. Our reputation is built on it.

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## **QUANTUM3D INC.**

With approximately 100 employees, the company has built upon its core competency of being graphics specialists. Quantum3D now delivers the hardware and software necessary to provide our customers with a number of complete solutions: real-time visual simulation for fast-jet, helicopter, refueling and ground vehicles; synthetic environment creation for out-the-window or sensor-based needs; fieldembedded computing for avionics, vehicle and man-wearable applications; and hardware-in-the-loop solutions. In everything that we do, our focus is on delivering commercial off-the-shelf (COTS) and open architecture solutions that enables Q3D to deliver "affordable reality" to our military and civilian customers. We combine mainstream PC-based technologies, such as NVIDIA graphics cards, Intel microprocessors, and operating systems from Microsoft (Windows), Redhat Linux, and Wind River (VxWorks), with our unique, value-added image generator technologies, software and services to deliver industry-specific visual computing solutions.

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## **RAYDON CORPORATION**

Responding to the need for convoy training associated with operations in Iraq, Raydon leveraged its expertise in driving simulation from its Raydon Virtual Driver commercial division to develop the initial HMMWV trainers in less than six weeks. These systems include a geo-specific Baghdad database and are now training military personnel for convoy scenarios they may face in Iraq. The company specializes in institutional, appended, embedded and desktop gunnery, tactical maneuver and driver trainers.

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## **ROCKWELL COLLINS**

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for both commercial and government applications. Our expertise in flight deck avionics, cabin electronics, mission communications, information management and simulation and training is delivered by 20,000 employees, and a global service and support network that crosses 27 countries. Through a series of acquisitions, Rockwell Collins has become an internationally recognized producer of simulation systems and training equipment for military and commercial applications.

[www.rockwellcollins.com](http://www.rockwellcollins.com)

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## **SAAB TRAINING SYSTEMS**

Saab Training Systems develops world-leading systems and services for military training. Saab offers solutions from basic gunnery and skills training to tactical training in instrumented combat training centers. The company's product portfolio includes the GAMER family of modular and scalable instrumentation systems; collective training system for Apache, Lynx and the PAH-1 helicopters; and a deployable instrumented training system for U.S. Army 1st Cavalry Division.

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## **SCALABLE NETWORK TECHNOLOGIES INC. - INNOVATION**

Scalable Network Technologies (SNT) develops and supports high-fidelity emulation and simulation software for predicting network performance. SNT is the undisputed industry leader in parallel processing technology for wireless network emulation. SNT's EXata software represents physical wireless networks as "software virtual networks." EXata emulates network devices, links, terrestrial characteristics and human interactions, all at real-time speed. EXata can perform "what if" network emulations in the laboratory as well as interoperate with existing physical networks. SNT's QualNet software brings the speed and scalability of parallel processing to wireless network modeling and simulation applications for military and commercial wireless network development.

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## **SCIENCE APPLICATIONS INTERNATIONAL CORPORATION (SAIC)**

SAIC is a Fortune 500 scientific, engineering and technology applications company that uses its deep domain knowledge to solve problems of vital importance to the nation and the world, in national security, energy and the environment, critical infrastructure, and health. The company's approximately 44,000 employees serve customers in the Department of Defense, the intelligence community, the U.S. Department of Homeland Security, other U.S. government civil agencies and selected commercial markets.

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## **SGI**

The company's goal is to provide the best compute, storage and visualization solutions on the planet to help solve our customers' most challenging problems by delivering performance and reducing complexity through leveraging a legacy of innovation including: A strong focus on delivering a market-driven, customer-centric approach to business; Products that enable customers to overcome the challenges of complex data-intensive workflows; Technology that accelerates breakthrough discoveries, innovation and information transformation; and A differentiated value proposition in government, research, industrial, and high performance business markets.

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## **SGIS**

SGIS provides services and solutions that defend the United States and its citizens from threats, provides advanced tools to soldiers who defend the nation and assists government agencies in running their business more effectively. SGIS has teamed with numerous organizations within the intelligence, homeland security, defense and space communities to form alliances needed for successful missions. The company specializes in areas of information technology, engineering, intelligence solution, global telecommunications and logistics. SGIS supports critical services for the United States military, the DoD, the FBI, the National Geospatial-Intelligence Agency and NASA Jet Propulsion Laboratory to name a few.

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## **SI INTERNATIONAL INC.**

SI International Inc., a large business with more than 4,600 employees and 2007 revenues of \$511 million, is a leader in providing simulation, education and training, information technology and network solutions to the Department of Defense and its military services, the intelligence community, the Department of Homeland Security, and other agencies and departments of the federal government. SI was named the Federal Contractor of the Year for 2007 at the annual Greater Washington Government Contractor Awards, and has been one of the "Top 100 Federal IT Contractors" as announced by Washington Technology for the past 10 years.

[info@si-intl.com](mailto:info@si-intl.com) • [www.si-intl.com](http://www.si-intl.com)

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## **SIMIGON INC. - INNOVATION**

SimiGon is a leading developer and supplier of distributed simulation solutions for defense and civilian applications. Through its off-the-shelf training solutions for demanding and highskill occupations, SimiGon provides diverse organizations with faster and more cost-effective training. SimiGon's growing client base includes blue-chip training and simulation systems providers as well as over 20 air forces and commercial airlines worldwide. SimiGon's SIMbox ToolKit enables subject matter experts to create, manage and operate sophisticated simulationbased solutions with no need to write new software code. SimiGon's unique Virtual Instructor capability supports self-paced training as well as traditional classroom environments.

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### **SIMMERSION LLC**

SIMmersion creates simulations that allow users to talk to life-like simulated people in nearly free-form conversations that are always different. Users build skills while receiving objective and consistent feedback. To master specific learning objectives, users talk with simulated characters that have emotions and a simulated brain. The simulation allows the user to experience the affects of their conversational skills with people in a particular situation. SIMmersion applications include behavior and other health care, leadership, recruiting and cultural sensitivity training.

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### **SIMTHETIQ INC.**

Simthetiq provide realistic real-time 3-D visual databases and entity models for the simulation and game industry. We provide a growing library of real-time cross-platform entities based on the world reference modeling document for real-time distributed interactive simulation environment.

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### **SKILLSOFT**

SkillSoft enables business organizations to maximize business performance through a combination of comprehensive e-learning content, online information resources, flexible learning technologies and support services. SkillSoft's courseware is localized into 18 languages with products and services sold in 65 countries.

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### **SMART TECHNOLOGIES ULC**

SMART Technologies supplies ICT products for interactive display applications that facilitate a more interactive, collaborative environment. Using SMART products, groups can access and share the information they need to meet, teach, train and present. SMART has been issued and maintains a broad portfolio of patents. SMART customers include NATO, NASA, the U.S. Department of Defense, the U.S. Air Force Training and Education Command, Army Classroom 21 solution, and the Defense Language Institute. SMART is headquartered in Calgary, Alberta, Canada, with assembly facilities in Ottawa, Ontario and offices in Bonn, Paris, Tokyo, Shanghai, New York City, Chicago and Washington, D.C.

[gary.waliszewski@smarttech.com](mailto:gary.waliszewski@smarttech.com)

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## **STIRLING DYNAMICS**

Stirling Dynamics has for the last 17 years been at the forefront of driving forward Active Controls technology. Having been the one of the founding fathers of this highly complex and niche area we have continued to push the boundaries of innovation and design, working with our partners on “active” flight programs such as NASA Ames RASCAL and the JSF (through BAE Systems). This continued investment and development has now led to us creating something that was previously thought impossible; fully active high-fidelity simulator controls for \$10,000 per axis!

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## **SURVIVAL SYSTEMS USA INC.**

Our purpose is to enhance and preserve workers’ lives through safety education, training technologies, and applied research and development. Our strategic intent is to create, set and maintain the standard or measurement by which all workers who may have to react, escape, egress, effect a rescue or survive a life-threatening situation during day or night, over water, air, or land will be trained.

[sales@survivalsystemsinc.com](mailto:sales@survivalsystemsinc.com) • [www.survivalsystemsinc.com](http://www.survivalsystemsinc.com)

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## **THE TATITLEK CORPORATION**

We are an Alaska Native Village Corporation specializing in realistic military training support, including culturally correct role players; information technology development, support, and training; vertical and horizontal construction; sign manufacturing and installation; facilities management and operations; property management; foreign culture and language training; logistics services; custodial and janitorial services; and food services.

[team@tatitlek.com](mailto:team@tatitlek.com) • [www.tatitlek.com](http://www.tatitlek.com)

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## **TERNION CORPORATION**

Since in 1989, Ternion Corporation has been providing highly flexible simulation solutions to government and commercial organizations worldwide. Its flagship product line FLAMES is a commercial off-the-shelf software suite that provides the framework and all basic functionality needed for constructive simulations, as well as the ability to interface with live, virtual, and other constructive simulations. In addition, Ternion’s team of experts can develop custom FLAMESbased simulations to meet specific requirements.

[flames\\_marketing@ternion.com](mailto:flames_marketing@ternion.com) • [www.ternion.com](http://www.ternion.com)

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## **TERRAMETRICS INC.**

TerraMetrics develops innovative geospatial data, tools and systems for government, science and commercial markets. Free from compression artifacts, our TruEarth 15-meter global imagery provides unsurpassed natural-color balance. Our TerraBlocks 3-D terrain-rendering engine delivers fast, precise, on-the-sphere terrain rendering. Using the TerraBlocks technology, we are investigating and developing a synthetic vision system to help make helicopter landings safer during zero-visibility conditions known as brownouts. Our customers include U.S. Department of Defense agencies, the National Aeronautics and Space Administration (NASA), major Web mapping applications, U.S. and international television news outlets, feature films, international governments and computer graphics animators.

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## **THALES**

Thales is a leading international electronics and systems group, addressing defence, aerospace and security markets worldwide. Thales' leading-edge technology is supported by 22,000 R&D engineers who offer a capability unmatched in Europe to develop and deploy field-proven mission-critical information systems. To this end, the group's civil and military businesses develop in parallel and share a common base of technologies to serve a single objective: the security of people, property and nations. The group builds its growth on its unique multi-domestic strategy based on trusted partnerships with national customers and market players, while leveraging its global expertise to support local technology and industrial development. Thales employs 68,000 people in 50 countries – Thales North America employs 2,200 staff in various locations.

[info@thalesgroup.com](mailto:info@thalesgroup.com) • [www.thalesgroup.com](http://www.thalesgroup.com)

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## **UFA INC.**

UFA, Inc. (UFA) is a global leader in turnkey and standalone simulators for air traffic controller (ATC) training and air traffic management (ATM) planning. Differentiated by market-leading voice recognition and response system and highly realistic flight training scenarios, UFA products enable controllers to train more flexibly, effectively and cost-efficiently. The company is the leading provider of ATC simulators for the U.S. Army National Guard, as well as providing numerous systems for U.S. Air Force and the U.S. Army. All told, UFA has provided over 50 ATC tower and radar simulators to the U.S. military which deploys them in the U.S. and abroad. UFA systems allow instructors to simulate virtually any air traffic situation and manipulate events during a scenario to meet specific training objectives.

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## **UNIVERSAL SYSTEMS & TECHNOLOGY INC. (UNITECH)**

Unitech is an award-winning training and simulation technology solutions company headquartered within Northern Virginia's technology corridor with multiple, strategic locations within the United States. Founded in 1988 by Earl W. Stafford, Unitech has embraced the mission statement of "understanding our customer's requirements and exceeding their expectations by providing best value business and technical solutions" and translated that commitment for 20 successive years of satisfied customers throughout the U.S. federal government and Department of Defense.

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## **VCOM3D INC. - UP AND COMING**

Vcom3D, Inc. has a vision to revolutionize education, training and accessibility. We are a leader in providing multi-cultural, context sensitive, virtual communicator characters for enhanced learning. We have created and patented a number of new technologies and won numerous awards for our innovation in the use of 3D simulation and virtual human technology. Vcom3D animated characters communicate through body language, facial expression, and lip-synched speech. Our groundbreaking applications are used by corporations and government agencies in the areas of language/ culture familiarization, training, and educational mentoring. These interactive applications engage the learner which results in improved learning outcomes.

[customerservice@vcom3d.com](mailto:customerservice@vcom3d.com) • [www.vcom3d.com](http://www.vcom3d.com)

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## **VISUAL PURPLE LLC**

Visual Purple produces 3-D animated, highly interactive training simulations. Virtual world technology allows Visual Purple to prototype and produce simulations efficiently and accurately, resulting in cost-savings for both primes and government customers. Seventeen years of converting and translating client materials, courses, and cultures into virtual experiences—an unmatched expertise among simulation companies—is applied to create realistic and compelling scenarios to educate and train users. Visual Purple’s instructional designers, game experts and computer scientists (inventors of patented Interactive Intelligence technology) take learning theory seriously and apply their knowledge to create scalable, realistic experiences that increase user immersion, engagement, and retention.

[www.visualpurple.com](http://www.visualpurple.com)

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## **VRSONIC INC. - UP AND COMING**

VR Sonic, incorporated in September of 1999, has made its mission to pioneer the next generation of emergent spatial audio software and hardware technologies that will allow users to create unique and immersive sonic experiences. The company’s vision for the next generation of sound creates a true to life, fully immersive audio experience. The company calls it “experiential audio” and it goes well beyond the traditional surround sound paradigm to create a truly 3-D sound experience; it’s a new way of thinking of spatial audio as a medium requiring novel approaches in modeling a soundscape.

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## **WESTWIND TECHNOLOGIES INC.**

WestWind Technologies Inc. was founded in 1999 and is known for providing customers with solid performance and unparalleled response times. With primary corporate operations located minutes from Redstone Arsenal and adjacent to Huntsville International Airport, WestWind supports military aviation programs such as the CH-47F Transportable Flight Proficiency Simulator and the Common Missile Warning System. Primary capabilities are in the areas of aviation integration and modification, simulator production, engineering, warehousing and

distribution, maintenance and repair, and aviation product development. Because engineering and manufacturing services are on site, WestWind often delivers ahead of schedule and under cost. •