

# 2009 TOP SIMULATION & TRAINING COMPANIES



*Military Training Technology* is proud to announce the 2009 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 across the spectrum of technologies—serious gaming, live training, constructive simulation, modeling, virtual simulation and others. These companies' products allow service men and women to train and rehearse for missions in theater, or to prepare for deployment at home station.

An impartial panel selected the winners from a very competitive group. Companies were selected based on various criteria, which in part, included total military sales, innovation, and program effectiveness. The 2009 submissions were especially competitive.

The Top Training and Simulation Companies are listed in alphabetical order. Those that have 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 led 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 the 2009 competition.

## AAI CORPORATION



AAI Corp. is a global corporation providing tactical unmanned aircraft systems—including training and simulation systems, automated aircraft test and maintenance equipment, armament systems, aviation ground support equipment, and logistical, engineering and supply chain management services—for the U.S. Army, U.S. Marine Corps, and allied armed forces. We have strengthened our market positions with recent acquisitions: ESL Defence Ltd. of the United Kingdom (electronic warfare systems), Aerosonde Pty Ltd. (small unmanned aircraft systems), and Symtx Inc. of Austin, Texas (functional test systems).



AAI became an operating unit of Textron Systems Corp. and an indirect wholly owned subsidiary of Textron Inc. in late 2007.

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## Adacel



Adacel is a global software technology and systems integrator. The company is a leading developer of interactive speech recognition technology, voice activated control systems, operational air traffic management systems, and simulation and training systems for aircrew, air traffic control, airport vehicle operators and security training.



Adacel was established in 1987. The company operates in the global aerospace and defense systems market.

## AEgis Technologies



AEgis is an innovative developer of training devices and simulations for current and advanced conceptual systems. Our work is custom designed for the customer, allowing us to deliver a fully configured training/simulation solution that includes hardware, software and services. Geospatial products delivered to customer specification include correlated terrains, 3-D vehicles, 2-D maps, SAF outputs and complex building features.

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## AgustaWestland



AgustaWestland, the Anglo-Italian helicopter company owned by Italy's Finmeccanica, is a total capability provider in the vertical lift market. This includes being an established provider of professional training services and solutions to a wide range of military, civil and industrial customers around the world. Building on core competencies in high-quality rotary wing and military systems training, the company is committed to developing and expanding its training portfolio to meet both the current and future training needs of all customers.

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

## Alion Science and Technology



# ALION

SCIENCE AND TECHNOLOGY

Alion Science and Technology is an employee-owned 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. Based in McLean, Va., Alion employee-owners are located at major offices, customer sites and laboratories worldwide.

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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. Based in the Washington, D.C., suburb of Chantilly, Va., 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.



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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 \$230 million and 2,000 employees nationwide and overseas, AMSEC LLC is a full-service 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.

## Antycip Simulation

Antycip Simulation, a subsidiary of ST Electronics (Training & Simulation Systems) Pte Ltd., is the European leader in the provision of independent modeling and simulation COTS tools, projection systems and related engineering services. With over 10 years of expertise as a preferred supplier of governments, top universities, research laboratories and private sector companies, Antycip Simulation has accumulated experience in diverse industries including defence, aerospace, security, transportation, automotive, telecommunications and education.

## Aptima, Inc.



Aptima Inc. is a leading human-centered research, development and engineering company that works primarily for the military research labs, DARPA and NASA. We optimize the fit between the people, the technology they use, and other organizations in which they work. Aptima's innovative approach integrates social science and engineering to produce new knowledge and new technologies that ensure mission success.

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## Atlantic Link Inc.



Atlantic Link is the leader in the development of collaborative, server based, e-learning authoring applications. Atlantic link has developed a brand new e-learning architecture based on the .NET Platform, which solves all of the problems that have traditionally plagued e-learning development in military, education, government and commercial clients. We regard our business services and technology model as being true industry leaders. Our entire product suite is highly innovative and advanced, as we still have the world's only server-based e-learning system built on the latest generation of the .NET framework. Our entire business depends on innovation, and this is part of the culture of the company. We are determined to be at the forefront of technical development in the e-learning industry.

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## AVT Simulation



AVT Simulation provides expert, cost-effective engineering services and product solutions to our customers. We target gaps not well supported by traditional suppliers. 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.



## Barco

Barco, a global technology company, designs and develops visualization solutions for a variety of selected professional markets, including the defense, security, and training and simulation markets. In these markets, Barco offers user-friendly imaging products that optimize business efficiency and minimize downtime. Its innovative hard- and software solutions integrate all aspects of the imaging chain, from image acquisition and processing to image display and management. Barco has its own facilities for sales and marketing, customer support, R&D and manufacturing in Europe, America and Asia-Pacific. The company (NYSE, Euronext Brussels: BAR) is active in more than 90 countries and employs 3,300 staff worldwide. In 2008 Barco posted sales of 725 million euro.

## Bionatics

Bionatics was the first company in the 3-D industry to establish a leadership in the development of procedural landscape modeling and simulation products. The company sells a complete lineup of innovative solutions: EASYnat, natFX, REALnat, Landsim3D and Blueberry3D dedicated to the following industries: architecture, entertainment, territory management, and the military and civil training industry. Bionatics sells in more than 60 countries and works with the leading references on each market.

## Blue Ridge Simulation, Inc.

BRS is a small business founded in 1995, and has established an excellent reputation in the simulation community by consistently delivering world-class high-quality products and providing unsurpassed customer support.

## Bohemia Interactive

Bohemia Interactive is a world leader in providing simulation training solutions for military

organizations. With origins in the gaming industry, Bohemia successfully exploits state-of-the-art game-based technology and applies this to breakthrough, military-specific simulation products. Bohemia's primary focus is the development of the Virtual Battlespace (VBS) series, delivering high-fidelity virtual environments for both individual and collective training. VBS products support rapid terrain development by the end user and are HLA- and DIS-compliant.



[www.vbs2.com](http://www.vbs2.com)

## CACI International Inc.



CACI International Inc. provides professional services and IT solutions for defense, intelligence, homeland security and federal civilian government requirements. We help clients provide for national security, improve communications and collaboration, secure the integrity of information systems and networks, enhance data collection and analysis, and increase efficiency and mission effectiveness. A member of the Fortune 1000 Largest Companies and Russell 2000 index, CACI provides dynamic careers for 12,400 employees in over 120 offices worldwide.

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

## CAE

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. CAE employs more than 6,500 people at more than 75 sites and training locations in 20 countries. The company has the largest installed base of civil and military full-flight

simulators and training devices. Through CAE's global network of 29 civil aviation and military training centers, the company trains more than 75,000 crewmembers yearly. CAE also offers modeling and simulation software to various market segments and, through CAE's professional services division, the company assists customers with a wide range of simulation-based needs.



## Calytix Technologies



Calytix Technologies provides commercial off-the-shelf products and application services for distributed simulation and training, with a focus on application of "serious games" technologies and the planning and conduct of training exercises with related competency-based performance assessments. Calytix is a leader in live, virtual and constructive (LVC) distributed simulation with a depth of knowledge in DIS-, HLA- and TENA-based training environments, in addition to training exercise management.



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## Camber Corporation

Camber Corp. provides educational technology and training services to the Department of Defense and other agencies at over 100 locations worldwide. Our focus areas include homeland security, chemical and biological support, training and education, modeling and simulation, systems engineering, and software engineering. We provide

simulation tools and services for training, mission planning, rehearsal, after-action reviews, command and control, and engineering analysis. Our efforts touch defense 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.

## Carley Corporation

Carley Corp. 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. Carley Corp. uses proven and emerging technologies and research-based processes to provide services in four strategic areas: learning solutions, performance support solutions, management solutions, and IT solutions. Our simulation and training products include: Web-based training, instructor-led training, and PC-based simulations for technical skills training, software training and overall performance improvement.

## Carney, Inc.

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. Applying our deep understanding of the art and science of learning, we create powerful solutions that are enabled by technology, not driven by it. Process and results orientation, engaging graphics and animation, solid instructional

design, and innovative use of technology have been the hallmark for Carney learning solutions since 1994.

## CHI Systems, Inc.



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 features many holding advanced degrees or military expertise. Headquartered in suburban Philadelphia, CHI Systems maintains regional offices in San Diego, Orlando and Virginia Beach.

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## Christie Digital Systems, Inc.



Christie display technology is used in high performance simulation environments all over the world. Christie delivers turnkey solutions for high-performance simulation environments including high-resolution power walls, curved screen displays, domes and faceted displays. Comprising leading-edge 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 revolutionary 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.

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simulation

## Cogent3D, Inc.



A January 2009 startup, Cogent3D expects to see revenue growth in 2010 at 100 percent or better following the initial release of its Symmetry product in early 2009 and subsequent import/export format updates. In addition to distributing Diamond Visionics' Genesis products worldwide, Cogent3D will add products for content creation and correction in the fall of 2009. More complementary tools will be added to its product portfolio in 2010. Cogent3D signed nine new international distributors in 2009 and will add more distribution channels in 2010.



## Cole Engineering Services, Inc.



Cole Engineering is an innovative developer of training and

simulation systems. Utilizing modular architecture with strictly defined processes, our team of highly experienced engineers



create Semi-Automated Forces (SAF)-based solutions for the virtual and constructive training arena.

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## Combat Training Solutions, Inc.

Combat Training Solutions Inc. is a HUBZone and service-disabled veteran-owned small business providing non-pyrotechnic battlefield special effects and IED simulators for military, homeland defense 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 tactics used today by terrorists and insurgents. Our simulators deliver powerful audio and visual explosion signatures that are unmatched in the industry and have produced sustainable training performance improvements. By combining in-depth domain knowledge with technical excellence, CTS is delivering today's solutions for tomorrow's warfighters.

## Computer Sciences Corporation



CSC has recognized the importance of training and simulation as a core capability by designating it as one of six high-growth market segments (HGMS). The objective of the CSC training and simulation HGMS strategy is to leverage our current strong market

positions to become a recognized leader and dominant provider of training support and development services to the U.S. military and selected public sector customers. The CSC Training HGMS links all of CSC's training-related capabilities to leverage existing focused market presence, critical capabilities in live-virtual-constructive domains, and proven service delivery to expand our market presence in both defense and civil sectors in the United States and Canada.

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## Concurrent Computer Corporation

Concurrent provides best-in-class real-time solutions for mission-critical applications. Our open source real-time Linux operating system, robust development tools, and COTS CPUs and I/O give our users the most powerful real-time experience in the market. Our customers include many Fortune 100 companies and the most demanding real-time programs in the defense industry. Concurrent is dedicated to the success of their customers and ensures it by providing unmatched support.

## Cubic Corporation

Cubic's defense systems business prepares warfighters for the current operating environment with fully integrated live, virtual, constructive and joint training solutions. Cubic's innovative technologies enabled multinational forces to train jointly using simulated and tactical systems. Cubic's mission support services business provides high-value expertise to government clients. Cubic has



all the components—from technology and training experts—to build forces that are well-equipped for the rigors of combat.

## DEI Services Corp.

DEI Services Corp. provides full-scale development, manufacture, integration and life cycle support of military training systems ranging from full-sized ground combat vehicle simulators to interactive



multimedia instruction student classrooms. Our expertise lies in developing innovative solutions using the best emerging technologies.

## Diamond Visionics, LLC



Diamond Visionics' mission is to create cutting-edge 3-D technologies that are more



efficient and less expensive to operate by merging the best features and technologies from simulation, gaming and GIS into our products.

## Digimation

## Digimation

Digimation develops and delivers 3-D solutions for the training and simulation industry including interactive maintenance trainers, small arms trainers and virtual task trainers, as well as virtual environments used in homeland security applications. The company's service division produces photorealistic 3-D parts used in maintenance trainers, OpenFlight 3D models used in simulations and full 3-D animation.



Digimation's flagship products include the Archive and the OpenFlight Library. The Archive



is the world's largest collection of ready-made, technically accurate 3-D models. The OpenFlight Library is a collection of more than 1,500 3-D models in industry standard OpenFlight format.

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## DISTI



Founded in 1994, 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.



## DME Corporation



DME Corp. is a designer and manufacturer of high-performance training and simulation devices and automated diagnostic test systems for the defense industry. We have a reputation for high-quality designs, exceptional responsiveness, strong brand recognition and best-in-class manufacturing practices.

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## Dynamics Research Corporation

Dynamics Research Corp. (DRC) provides innovative management, engineering and technology solutions that

deliver measurable performance improvements for federal, state and local government agencies. We draw on our committed and highly trained staff, deep domain expertise and proven best practices backed by 50 years of experience to help government agencies ensure the safety of our nation and the well-being of our citizens. DRC has eight business solutions areas that cover our core competencies: human capital management, business transformation, business intelligence, acquisition management, IT infrastructure services, engineering services, automated case management, and training and performance support.

## EADS North America Defense Security and Systems Solutions, Inc.



Our mission is to provide immediate and long-term 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.

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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.

## Emergent Game Technologies



Emergent Game Technologies is the leading source for all simulation development needs. Emergent's 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. With the addition of Gamebryo LightSpeed, we simplify simulation technology creation through rapid prototyping and production, rapid iteration and real-time updates.

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## Engineering and Computer Simulations

Engineering & Computer Simulations Inc. is a software development and solutions 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 and services that are being delivered to ECS customers.

## Environmental Tectonics Corporation



The Environmental Tectonics Corp. (ETC) 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 in the world. It is the vision and goal of ETC and its NASTAR center to provide all aircrew, domestic and international, with the most optimal training and operational readiness in an effort to, through technology and training, reduce flight mishaps to zero.

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

## Fidelity Technologies Corporation

Fidelity Technologies Corp. is a leading global supplier of quality services and products to government, Department of Defense, and commercial clientele in the areas of simulation training, logistics/field support



services, military and aerospace manufacturing, and meteorological products and systems. The simulation and training unit has over 15 years of experience in developing and fielding simulation trainers for warfighters.

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

## FlightSafety International



FlightSafety International is a global provider of government and military aviation training, training services and simulation technology. FlightSafety is committed to being the world leader in providing training solutions for civil and military applications when operational safety and mission readiness is of primary importance. As a pioneer in modern aviation training for over 60 years, FlightSafety continues to be a leading innovator for both the technology and the delivery of mission critical training. FlightSafety provides more than a million hours of aviation training each year and operates the

world's largest fleet of advanced full flight simulators. FlightSafety International is a Berkshire Hathaway company.

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## Forterra Systems Inc.

Forterra provides enterprise grade virtual world software that enables our customers and partners to create their own secure, scalable 3-D Internet solutions for the government, corporate, health care and education industries. Using our On-Line Interactive

Virtual Environment (OLIVE) platform and industry standard PC hardware, customers can rapidly deploy realistic, collaborative, 3-D Internet solutions that scale from small

group applications to large-scale simulated environments supporting thousands of concurrent users. OLIVE applications include virtual meetings, events, training, project management and operations rooms. Forterra customers indicate OLIVE provides a better user experience and is less expensive than audio, Web and video conferencing.

## G2 Ops, Inc.



G2 Ops' core competence is in the area of adult-oriented training for our military, in both instructor-led and facilitator-led training. G2 Ops is currently on option year one of a five-year contract to provide cultural awareness training to the U.S. Army and to date has trained over 12,000 soldiers deploying to Iraq and Afghanistan. We are proud of our training history with the military, in that we know that we have provided the very best of training to our country's very best defenders of freedom. We are proud to serve our country in this capacity.

## General Dynamics C4 Systems

General Dynamics C4 Systems develops and integrates communication and information systems and technology for myriad 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 first-responders can do their jobs more safely and

effectively because our products and services enable secure, fast and efficient information and communication exchange.

## Inert Products, LLC



Inert Products LLC, founded in 2007, has been producing high-quality, inert training aids that withstand punishment in the field. It's our goal to produce the most realistic training aids available on the market today while keeping them cost-effective and durable. With a catalog of more than 350 products, we currently offer the widest selection of training aids available on the market today. Standing behind our work 100 percent—we believe simply, better products provide better training.

## 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 nine 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 ruggedized 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.

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## L-3 Link Simulation & Training

L-3 Link Simulation & Training supplies customers worldwide with cost-effective training systems and training services that are designed to deliver and support highly realistic warfighter training that enhances operational proficiency. L-3 Link

conducts front-end analysis, program design, training and courseware design, simulator design and production, field support, aircraft logistics support, and air traffic control training.

## Laser Shot, Inc.

Laser Shot's mission is to be the leader in firearms training products specializing in "Use of Force" and "Judgmental Training" to save lives emphasizing on military and law enforcement products. Since 1999, Laser Shot has grown to become a market-leading provider of firearm and force option training solutions to military and law enforcement clients with an installed base of over 1000 simulators. Laser Shot designs innovative products that incorporate the latest technology to develop accurate, dependable, and effective training solutions. The unique solutions enable progressive training from laser to live fire, and from individual marksmanship to crew level gunnery.



## Logistic Services International, Inc.



LSI provides courseware development, technical data support, part task trainers, desktop simulations, gaming solutions, and instructor services for the U.S. Department of Defense, Department of Homeland Security and the aerospace industry. LSI is also a principal subcontractor to aerospace original equipment manufacturers for numerous military training programs. LSI has provided continuous military training services to U.S. and foreign military customers for over 30 years, with more than 20 years of experience developing computer-based training, including SCORM-conformant interactive courseware, since the inception of SCORM. LSI is a customer-focused

organization with 450-plus employees directly supporting training product development.

## MÄK



MÄK develops solutions 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's worldwide customers include ITT Industries, Boeing, Lockheed Martin, Raytheon, Thales, EMBRAER, RUAG and BAE.



## Meridian Knowledge Solutions, LLC



The Meridian Global learning management system (LMS) 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, a 15,000-course virtual library and hosting services. Meridian serves 5 million people at more than 250 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. Chantilly, Va.-based Meridian is a wholly owned subsidiary of Visionary Integration Professionals.

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## MetaVR



MetaVR develops commercial PC-based software for the military simulation and training markets, featuring high-speed visualization of 3-D content and rapid creation of networked virtual worlds using real-world data. MetaVR's goal is to provide geospecific real-time visual simulation systems with the fidelity of game quality graphics.

MetaVR's software products enable users to build high-fidelity virtual worlds with its terrain generation tools and render the resulting virtual worlds with its real-time 3-D visualization application, Virtual Reality Scene Generator. MetaVR systems are used for applications such as urban

operations training, unmanned aerial vehicles for the U.S. Army UAV program, the A-10 program and the JTAC Virtual Trainer Dome.

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## MIL-SIM-FX International Inc.

Mil-Sim-Fx International Inc. is proud to help prepare our soldiers to be the best warfighters in the world. As the leader in the design and supply of non-pyrotechnic battle effects simulation training devices, Mil-Sim-Fx provides the men and women of the U.S. and Canadian armed forces with the best technology capable of safely simulating the truest form of actual explosive threats to which they will be exposed and called upon to respond to in the combat environment.

## Minerva Engineering, LLC

Minerva Engineering is a service-disabled, veteran-owned 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.

## MYMIC LLC



Mymic is a high-technology, service-disabled veteran-owned business specializing in training analysis, simulation, modeling and computer visualization solutions. At the core Mymic is a service provider and integrator. We are an industry leader in innovative design and application of technology to support knowledge management and decision-making for commercial and government clients. Mymic combines practical experience along with the knowledge gained from research and experimentation to deliver innovative, relevant and practical solutions that support decision-makers. Every solution is



developed with the entire organization in mind enabling holistic, contextually based solutions that can be rapidly implemented.

## NGRAIN

NGRAIN is changing the world of defense training and maintenance. In today's military, new recruits must train to standard faster; however, the reality of decreased budgets and limited access to hard trainers makes this a challenge. NGRAIN's breakthrough 3-D technology solves this by providing interactive, virtual simulations of equipment ranging from jet engines to intricate weapons systems. Our customers are experiencing a transformation in their training programs—with proven results that boast an improvement of operational efficiency by 30 percent and an acceleration of training by 60 percent. NGRAIN makes 3-D attainable—users with no 3-D experience or programming skills can create and deploy 3-D equipment simulations.

## Northrop Grumman Technical Services

**NORTHROP GRUMMAN**

Northrop Grumman Corp. is a leading global security company whose 120,000 employees provide innovative systems, products and solutions in aerospace, electronics,

information systems, shipbuilding and technical services to government and commercial customers worldwide.

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## Polhemus



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 six-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.

## Presagis

### PRESAGIS

Presagis is a global leader providing commercial-off-the-shelf (COTS) modeling, simulation and embedded display solutions to the aerospace and defense markets and is the only developer to deliver a unified COTS software portfolio based on open-standards. Presagis combines cutting-edge technology with innovative services to help customers streamline workflow, reduce project risks, create detailed models and complex simulations, in addition to developing DO-178B certifiable applications. The company services more than 1,000 active customers worldwide,

including many of the world's most respected organizations such as Boeing, Lockheed Martin, Airbus, BAE Systems and CAE.



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## Quantum3D

Quantum3D is a leading developer and manufacturer of real-time visual simulation and computing systems. Everything we offer is commercial off-the-shelf and open architecture, enabling us to deliver affordable reality to our military and civilian customers.

## Raytheon Technical Services Company LLC

### Raytheon

Raytheon is a world leader in developing and delivering full-spectrum training services and outsourcing for both government and commercial customers, providing training solutions in more than 101 countries and in 39 languages. Through global training solutions, Raytheon provides customized training solutions and services based on proven training expertise and processes that help our customers achieve measurable operational advantages, improved readiness, enhanced performance and mission effectiveness, while optimizing efficiencies and reducing costs. GTS brings significant global expertise in both government and commercial training markets, combining best commercial practices with the discipline and cadence required to manage large government engagements for customers with limited training budgets.



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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 integrated training and simulation systems provider.

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## Rosetta Stone

Rosetta Stone Inc. is changing the way the world learns languages. Rosetta Stone provides interactive solutions that are acclaimed for the speed and power to unlock the natural language-learning ability in everyone. Available in more than 30 languages, Rosetta Stone language-learning solutions are used by schools, organizations and millions of individuals in over 150 countries throughout the world. The company was founded in 1992 on the core beliefs that learning a language should be natural and instinctive and that interactive technology can replicate and activate the immersion method powerfully for learners of any age.

## Saab Training Systems

Saab Training Systems develops world-leading systems and services for military training. We offer a total concept with innovative and reliable systems that, through their realism and precision, create optimum conditions for soldiers and officers to improve their abilities in a cost-effective way.

## Scalable Network Technologies, Inc.



Scalable Network Technologies develops high-fidelity emulation and simulation software tools for the test and evaluation and operational deployment of on-the-move, ad hoc wireless networks and network devices.

Built on SNT's industry-leading parallel processing technology, the company's integrated suite of products leapfrogs existing simulation and emulation tools in speed, performance and cost savings.

The company's customers include major aerospace and defense contractors, the U.S. Department of Defense, mobile network operators, as well as research agencies and universities.

## 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 45,000 employees serve customers in the U.S. Department of Defense, the intelligence community, the U.S. Department of Homeland Security, other U.S. government civil

agencies and selected commercial markets. SAIC had annual revenues of \$10.1 billion for its fiscal year ending January 31, 2009.



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## Serco, Inc.



Serco North America is a leading provider of technology, management and professional services. We advise, design, integrate and deliver solutions that transform how clients achieve their missions. With more than 11,500 employees across North

America and revenues of 1.3 billion, Serco has a proven track record of delivering outcomes that have earned the trust of our military, government and intelligence customers. Serco continues to respond to our clients' concerns over training costs, time, and risk of equipment and life. We have taken a leadership role in providing simulation and advanced learning technologies that lower training costs and are highly effective.

[www.serco-na.com](http://www.serco-na.com)

## SimiGon



SimiGon is the creator of SIMbox, a leading PC-based technology platform used to create, manage and deploy simulation based content across multiple domains including training, mission debriefing, homeland security and entertainment. SIMbox is a flexible, off-the-shelf core simulation engine comprising a wide array of software modules that empowers users to create an unlimited range of new products and content. Built from the ground up as a robust and flexible platform, SIMbox has been deployed successfully by large training and simulation systems providers, leading military contractors, and over 20 air forces and commercial airlines worldwide.

## SIMmersion, LLC

SIMmersion LLC develops training simulations that prepare trainees for difficult, high-stakes conversations by creating an exceptionally realistic interactive experience. SIMmersion simulations allow trainees to interact with lifelike simulated characters using speech recognition technology for authentic and engaging encounters. Trainees receive consistent and objective feedback throughout each simulation and are presented with opportunities for repeated practice to ensure skill mastery. Our patented non-branching technology allows us to create the most advanced soft-skills training

simulations available. Simulations can be custom-built to train a wide variety of skills and applications.

## SimSTAFF Technical Services

Created in January 2006 by two simulation and training industry veterans, along with a seasoned recruiting services professional, Simstaff has built a sterling reputation of providing highly skilled technical professionals to many of the top modeling, simulation and training companies (both large and small) throughout the United States. Simstaff has leveraged over 40 years of combined experience in recruiting and work force services within the engineering and technical fields, to save our clients time, money and the frustration of identifying and recruiting qualified professionals with the complex skills required by the S&T industry.

## Simthetiq Inc.



Simthetiq mission is to provide cross-platform visual databases and 3-D military assets to the simulation industry to increase communication capability in joint simulation operation using various visual rendering engines.

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

## SKIDCAR SYSTEM Inc.

Skidcar System Inc. is the sole source for Skidcar and Skidtruck products, service and training in North America. The company, its management and products are to further the effectiveness of driver training in all disciplines private and professional.

## SMART Technologies ULC



Smart Technologies supplies ICT products for interactive touch display applications that facilitate an interactive, collaborative training 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 Education and Training Command, Army Classroom 21 solution and the Defense Language Institute. Smart is headquartered in Calgary, Canada, with assembly facilities in Canada and Hungary and offices in Bonn, Paris, Tokyo, Shanghai, New York City, Chicago and Washington, D.C.

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## Sony Electronics

Since its introduction, Sony's 4K SXRD projection technology has continued to evolve to meet the expanding needs of visualization, simulation and training customers. Sony's SXRD systems are at the heart of the some of world's largest training and simulation centers worldwide including the U.S. Navy's Multi-Purpose Supporting Arms Trainer (MSAT) program. With these developments, Sony's 4K technology has quickly become the technology of choice for a range of large-venue applications, including corporate, defense, education and scientific institutions. The SXRD projector's 4K resolution is derived from its 4096 by 2160 pixel matrix, or approximately 8.8 million pixels, allowing it to deliver four times the resolution of today's high-definition televisions.

## Stottler Henke Associates, Inc.



Stottler Henke delivers artificial intelligence software products and services for education and training, planning and scheduling, decision support, and knowledge management and discovery. In 2004, Stottler Henke received a "Brandon Hall Excellence in Learning" award for innovative technology for its SimBionic intelligent agent toolkit. Stottler Henke has been named a Top 100 company by *Military Training Technology* magazine, and in 2005 received a Blue Ribbon recognizing it as a company that leads the industry in innovation. Seven Stottler Henke systems have been designated as small business innovation research (SBIR) success stories.

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

## Sundog Software, LLC

Sundog Software, founded in 2006, specializes in real-time rendering of the sky and everything in it. Its product, SilverLining, provides C++ libraries for OpenGL and DirectX developers that simulate the sky for any given time and location, and draws 3-D, volumetric clouds in real-time as well as precipitation effects. SilverLining is used widely

in the visual simulation and training industry, in architectural visualization, computer and console games, and broadcast video applications.

[www.sundog-soft.com](http://www.sundog-soft.com)

## Ternion Corporation

Since in 1989, Ternion Corp. has provided 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 Flames-based simulations to meet specific requirements. Flames is now available with free runtime licenses—a revolutionary concept in the commercial simulation industry.

## TerraMetrics, Inc.



TerraMetrics develops high-precision terrain-rendering technologies for training, simulation, aviation and geospatial markets. We were one of the first to produce and market natural-color global satellite imagery and are forging new ground in interactive 3-D terrain rendering and display. Our emphasis on compact, zero-error terrain data storage and accurate, real-time rendering brings new rigor to training/simulation environments and mission-critical applications such as pilot situational awareness, expanding the uses for terrain rendering and imagery. Customers include simulation companies, avionics manufacturers, U.S. Department of Defense agencies, the National Aeronautics and Space Administration, Web mapping applications, television news outlets worldwide and computer graphics animators.

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

## Thales



Thales is a leading international electronics and systems group, addressing defense, 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.

## The Tatilek Corporation



We are an Alaska Native Village Corp. specializing in realistic military training support, including culturally correct role players; foreign culture and language training; logistics services; vertical and horizontal construction; sign manufacturing and installation; facilities maintenance and operation; information technology development, support and training; property management; custodial and janitorial services; and food services. We also provide the training and logistics support on U.S. Marine Corps Indoor Simulated Marksmanship Trainer-Enhanced (ISMT-E) project, which uses computer-generated imagery projected onto screens to train Marines in the use of their light weapon systems.

## Trusted Computer Solutions

Founded in 1994, Trusted Computer Solutions (TCS) is an industry leader in providing cross domain and cybersecurity solutions for the private and public sectors. The Company's portfolio of security products include the SecureOffice Suite, a group of cross domain solutions that allow the secure transfer and sharing of information; Security Blanket, an industry award-winning OS lock-down

and security management tool; and CounterStorm, a behavioral, statistical and content-based anomaly detection system that rapidly identifies targeted and zero day attacks. All TCS solutions are backed by the Company's Professional Services group—nationally recognized experts in security policy, architecture, planning and implementation.

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## UFA, Inc.

UFA Inc. (UFA) is a global leader in embedded turnkey and stand-alone simulators for air traffic controller (ATC) training and air traffic management 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 to the U.S. Air Force and 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 United States and abroad. UFA systems instructors can simulate virtually any air traffic situation and manipulate events during a scenario to meet specific training objectives.

## Vcom3D Inc.

Vcom3D's vision is to revolutionize education, training and accessibility. We are a leader in providing multicultural, context-sensitive, virtual characters for enhanced learning on various platforms, from handheld mobile devices to virtual worlds. Vcom3D has created and patented a number of new technologies and won numerous awards for our innovation in the use of 3-D simulation and virtual human technology. Vcom3D's characters communicate through body language, facial expression and lip-synched speech. Our groundbreaking applications are used by numerous agencies in the areas of language/culture

familiarization, training and education. These interactive applications engage the learner, which results in improved learning outcomes.

## Visual Purple, LLC

Visual Purple is an industry leader in advanced simulations and technologies throughout the visual world, embedded and decision-making training sectors. The company's core technologies allow for the rapid development of training objectives within its simulations through a collection of 3-D animation, videos and other high-fidelity content. Visual Purple solutions allow for the most complex training missions while still being cost- and time-efficient for the organization and enjoyable and effective for the trainee. Training packages are designed to accelerate the ability of government and corporate personnel to master complicated material and increase performance in making appropriate mission-critical decisions.

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

## VR Sonic, Inc.



This year VR Sonic is celebrating 10 years of innovation in the development of immersive training technologies. VR Sonic's mission is to pioneer the next generation of emergent software and hardware technologies that allow users to create immersive training environments that work. VR Sonic's innovations include the development of next-generation spatial audio technologies geared toward improving the quality and effectiveness of training simulation systems. Our newest technology advancements have been in the area of affective state detection and induction. This new technology promises to vastly improve the effectiveness of training systems by integrating affective learning into those environments.

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