The North Alabama International Trade Association (NAITA) is pleased to share the capabilities of the outstanding small and medium-sized companies that are part of the North Alabama business community. NAITA assists SMEs in making connections, building new partnerships, and gaining access to new markets, including introducing these small businesses in advanced technologies to international market opportunities.

The capabilities included in this publication are representative of a wide spectrum of advanced technologies developed by a highly educated and skilled workforce located in North Alabama surrounding a significant U.S. Government installation. Key capabilities, as highlighted throughout the booklet, include: Small Spacecraft; Environmental Monitoring; Cyber Security; Interoperable Systems; Innovative Energy Applications; Sensors; Robotics (UAVs); Intelligence, Surveillance, Reconnaissance (ISR); Communications; Aerospace/Propulsion Engineering; Systems Engineering; Data Modeling & Analysis; and Business/Support Services.

The Regional Cluster Team includes high-tech small businesses, large businesses, universities, non-profits, lenders, government agencies, and research labs with common goals and complementary capabilities and resources.

Open innovation and collaboration among these groups leads to higher value technologies and products for the customer in much less time and at much lower cost than traditional processes and practices.

NAITA is reaching out to the international community through key advanced technology trade shows and strategic partnerships to share the specialized capabilities the cluster community brings to the table.

Please take a moment to peruse the company and partner profiles included and consider this introduction to Huntsville/Madison County and North Alabama – a smart place for innovation and technology. Do not hesitate to contact those firms directly that you would like to have dialogue with for potential partnerships or business opportunities. We welcome your visit to North Alabama USA and to www.naita.org to learn more.

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www.madisoncountyal.gov
www.naita.org
Huntsville’s Redstone Arsenal, NASA’s Marshall Space Flight Center, and Cummings Research Park offer the premier location for many of the most prestigious defense and civil space programs of national significance.

Since the early 1950s, Huntsville has been one of the nation’s principal centers for space and defense technology. Home to the work of Dr. Wernher von Braun and America’s rocket development programs, Huntsville and Redstone Arsenal became the location of choice for the country’s best and brightest aerospace engineers and scientists. Rocket City USA, as the region is known, gives original meaning to the term “rocket science.”

The Huntsville community is recognized nationally by Inc. Magazine, Forbes, and The Wall Street Journal as one of America’s leading technology communities. Local and state leaders provide strong support for business growth including fostering a strong education system, a high quality of life, low costs of living and doing business, and the infrastructure needed for companies to attract workers and be successful. With the highest concentration of engineers and technology workers in the country, Huntsville continues to be the preferred location for America’s best and brightest.

Cummings Research Park: 2nd Largest Research Park in the U.S.
As one of the country’s leading science and technology parks, Cummings Research Park, which opened more than 50 years ago, is a key component of the Huntsville community’s aerospace and defense industry success. Located adjacent to Redstone Arsenal, the park is 3,800 acres and is home to 300 companies employing 30,000 workers. Twenty-two of the top 26 U.S. government contractors have operations in Huntsville, as do 56 of the top 100. Numerous Fortune 500 companies and global technology corporations have major operations in the park performing aerospace and defense technology research and development. This large pool of technical expertise is vital to supporting U.S. Army and NASA contract programs and commercial technology applications. The University of Alabama in Huntsville – the anchor tenant of the park – has achieved status in the “Very High Activity” research category by The Carnegie Foundation. The unique synergy of government, business and university research working together on a national scale makes the Huntsville community a premier center for aerospace excellence.

Key Industries
- Aerospace & Defense
- Computers & Electronics
- Engineering & Government Services
- Hardware & Software Development
- Information Technology
- Life Sciences & Biotechnology
- Modeling & Simulation
- Research & Development
- Software Design

Tech Focus Areas
- Robotics (UAVs)
- Cyber Security
- Small Spacecraft
- Space Propulsion
- Aerospace Engineering
- Reliability Engineering
- Systems Engineering
- Rotorcraft
- Launch Vehicles
- Environmental Monitoring
- Interoperable Systems
- Energy
- Sensors
- Intelligence, Surveillance & Reconnaissance (ISR)
- Communications
- Business Services, Support

www.huntsvillealabamausa.com
www.madisoncountyal.gov • www.naita.org
Redstone Arsenal: Major U.S. Government Research, Development, Test & Engineering Center

Redstone Arsenal is a 38,000-acre secure U.S. Army complex located in the scenic Tennessee Valley region of north Alabama. The Arsenal is a major U.S. government research, development, test and engineering center and is home to the Army’s missile, missile defense and aviation programs, the Missile Defense Agency, and the Defense Intelligence Agency. Redstone is the principal location for Army materiel management, logistics and foreign military sales. NASA’s Marshall Space Flight Center is also headquartered at Redstone. Arsenal agencies and program offices currently employ more than 38,000 people who manage more than $100 billion in annual federal budgets. Redstone is home to more than 60 different federal organizations and contractor operations. Several of the larger commands, agencies and offices, located on Redstone:

- U.S. Army Materiel Command
- U.S. Army Aviation & Missile Command
- U.S. Army Security Assistance Command
- U.S. Army Aviation & Missile Research Development and Engineering Center
- Program Executive Office – Missiles & Space
- Program Executive Office – Aviation
- Redstone Test Center
- U.S. Army Space & Missile Defense Command
- Missile Defense Agency
- Defense Intelligence Agency – Missile & Space Intelligence Center
- Army Contracting Command
- Expeditionary Contracting Command
- NASA Marshall Space Flight Center
- FBI Hazardous Devices School
- FBI Terrorist Explosive Device Analytical Center
- ATF National Center for Explosives Training & Research

Commands based at Redstone manage the entire portfolio of Army materiel activity. Major and subordinate Army commands have responsibility for key missile, missile defense and aviation programs, as well as management of all Army foreign military sales and Army contracting. The Marshall Space Flight Center is responsible for the development of NASA’s Space Launch System, which will enable human deep space exploration, and a wide variety of space science and astrophysics programs.

NASA and Army facilities at MSFC and Redstone have been made available for use by private companies and universities on a selective basis. Most recently, Raytheon located its production facility for SM3 and SM6 missiles at Redstone.

Port of Huntsville:

Huntsville International Airport • International Intermodal Center and Jetplex Industrial Park

Centrally located in the southeastern United States, Huntsville/Madison County provides an excellent location for accessing and serving the southern U.S. region. Further extending the area’s reach into the global market is the Port of Huntsville with its commercial air service, domestic and international cargo service, and industrial park.

At the heart of the Port of Huntsville is Huntsville International Airport (HSV) with two parallel runways – including the second longest in the Southeast at 12,600 feet – that can accommodate the industry’s largest aircrafts, including the 747-8 freighters. The International Intermodal Center is its single hub location with capabilities to receive, transfer, store and distribute air, rail and highway cargo both domestically and internationally. Huntsville International Airport is ranked as 17th in top airports in the U.S. for international air cargo freight. The air cargo hub operation is anchored by Switzerland-based freight forwarder, Panalpina. This supply chain solution provider has used Huntsville as its main port of entry to the U.S. for more than 25 years and has weekly international nonstop cargo flights available to Europe, Mexico, Hong Kong, and Sao Paulo, Brazil.

Also located at the Port of Huntsville is the Jetplex Industrial Park which has available direct runway access, Foreign-Trade Zone status, and on-site U.S. Customs & Border Patrol. This unique combination of services makes the Port of Huntsville an ideal location for expanding MRO and distribution operations.
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ORGANIZATION BACKGROUND
At COLSA, we pride ourselves in remaining a leader in innovative technologies and maintaining our commitment to customer service above all else. Established in 1980, COLSA has remained steadfast in our commitment to one goal: to serve the company’s clients with dedication and excellence. COLSA’s mission is to provide value-added and cost-effective solutions to Government and Commercial customers by providing the latest and most sophisticated engineering, programmatic, and information technology products and services.

KEY CAPABILITIES
• Cybersecurity
• Program Management
• Information Management
• Software, Computer Engineering and Operations
• Software Development (COLSA Software Factory)
• Systems Engineering and Integration
• Test and Evaluation

KEY DISCRIMINATORS
• People Are Our Most Valuable Resource
• Integrity Underlies All That We Do
• Teamwork Is Integral To Success
• Customer Satisfaction Is The Cornerstone Of Our Corporation

KEY CUSTOMERS
• U.S. Army
• U.S. Air Force
• U.S. Navy
• National Aeronautics and Space Administration
• Missile Defense Agency
• Space and Missile Defense Command
• Missile and Space Intelligence Center
• HPC Center

KEY PARTNERS
• AWS
• Booz Allen Hamilton
• IBM
• Northrop Grumman
• SAIC

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CERTIFICATIONS AND AWARDS
• Alabama Engineering Hall of Fame
• COLSA Software Factory Appraised at CMMI DEV Level 3
• ISO 9001:2015 Certified
ORGANIZATION BACKGROUND

Cyber Huntsville was organized exclusively to promote and represent the common interests of members of industry, academia and government whose business or focus are cyber activities including or related to cyber engineering, cyber systems development, cyber forensics, cyber research, development, and education and/or cyber systems, products or services. Huntsville is home to over 55 federal organizations with more than 30,000 employees and the largest cleared workforce capable of helping our nation mitigate its most pressing threat.

KEY CAPABILITIES

• Advocate For The Tennessee Valley Region To Be Known As A Cyber Center Of Excellence
• Communicate Cyber Information Across The Tennessee Valley Region
• Coordinate And Integrate Community’s Cyber Activities
• Promote Economic Development

in Cyber Across The Tennessee Valley Region

• Provide the Catalyst To Initiate And Build A World Class Cyber Workforce And Cyber Capabilities in The Tennessee Valley Region
• Support Cyber Resiliency in The Tennessee Valley Region

KEY DISCRIMINATORS

• Home of the National Cyber Summit – preeminent event for cyber training, education and workforce development aimed at protecting infrastructure from the ever-evolving cyber threat.

• Cyber Huntsville initiated the U.S. Cyber Camp at the U.S. Space and Rocket Center

CERTIFICATIONS & AWARDS

• Raised the Level Of Cyber Security Capabilities and Expertise that Exist in The Tennessee Valley Region to the National and International Cyber Communities

• Supported the Huntsville City School system is implementing a Cyber curriculum

KEY CUSTOMERS

• Corporate Sponsors, Small Business Members, Individual Members
• Sponsors include:
• Anglin, Reichmann, Snellgrove and Armstrong, PC; Athens State University; BAH; Brockwell Technologies. Inc (BTI); CGI Federal; Davidson Technologies; Deloitte; DigiFlight; Dynetics; Hexagon; IBM; Kord Technologies; Leidos; LMI; LMCO; nLogic; nou Systems; Peoplesec; Radiance Technologies; Raytheon; Redstone Federal Credit Union; SAIC; Sentar; UAH

KEY PARTNERS

• Huntsville City Government
• State of Alabama
• National Security Agency
• U.S. Department of Homeland Security
• University of Alabama Huntsville
• Redstone Arsenal
• Industry
• Information System Security Association
• Infragard of Huntsville
• U.S. Space & Rocket Center

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DATA COM SOLUTIONS, INC.

ORGANIZATION BACKGROUND
Established in 2003, DataCom Solutions, Inc. provides dynamic product manufacturing, terrestrial and satellite communications solutions, and IT managed data services to both government and private sectors. The company’s best in class managed data services group provides data integration, cyber security, and wireless access point implementations to the private sector, educational, medical, hospitality, multi-dwelling units, and institutional clients.

KEY DISCRIMINATORS
• In-House Design & Product Manufacturing
• Exclusive Patented Designs
• National & Global Delivery

KEY CAPABILITIES
• Communications Technology
• Network Design & Integration
• Engineering Services & Planning
• New Product Development
• Access Control Point Installations
• Installation Fulfillment Services
• Managed Data Support Services
• Certified Ethical Hackers (CEH)

• IOT Consultation and Planning
• IT Support Services
• Fiber-to-the-Home (FTTH)
• IT Hospitality Data Integration
• Cyber Security Services
• Information & Data Security
• Manufacturer of Satellite and Fiber Optic Enclosures Boxes

CERTIFICATIONS & AWARDS
• National Minority Supplier Development Council (NMSDC)
• SBA Certified Small Business

• Veteran Owned Small Business
• Canadian Aboriginal Minority Supplier Council (CAMSC)

KEY CUSTOMERS
• AT&T
• Google Fiber
• Spectrum
• Verizon
• ViaSat
• Comcast

• Windstream
• Frontier Communications
• CenturyLink
• U.S. Department of Defense
• General Services Administration
• U.S. Army Cyber Command

KEY PARTNERS
• AT&T
• ADTRAN
• Mitel
• Perfect-10
• ViaSat
• Telarus
• DIRECTV
• NEXTIVA

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Mission Multiplier provides innovative cybersecurity solutions. The company multiplies the impact that clients can make against their mission objectives by providing cybersecurity subject matter expertise and thought leadership. The goal is to multiply the successes achieved by clients against their respective missions, while simultaneously enabling the missions of employees – with the end result of securing and enriching the communities served – through the delivery of innovative cybersecurity solutions. The company is a HUBZone certified small business headquartered in Huntsville, Alabama.

**KEY CAPABILITIES**

- MARS Box – Continuous Monitoring Solution
- MI:COP – Cyber Common Operating Picture
- Cybersecurity Operations and Engineering
- Risk Scoring and Dashboard Visualization
- Cybersecurity Governance and Compliance

**KEY DISCRIMINATORS**

- Nominated as 2017 Small Business of the Year (by HSV Chamber in Gov’t Contracting Services Category)
- Mission Multiplier CEO Nominated for 2017 Russell G. Brown Award
- Mission Multiplier CEO Nominated for 2017 WBCNA People’s Choice Award

**CERTIFICATIONS & AWARDS**

- 2017 Torch Awards for Ethics Finalist
- Cyber Huntsville Member
- Missile Defense Agency (MDA) Mentor-Protégé Program
- Certified HUBZone Small Business

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www.missionmultiplier.com

**KEY CUSTOMERS**

- National Aeronautics & Space Administration (NASA)
- Department of Homeland Security
- Tennessee Valley Authority

- U.S. Army
- Transportation Security Administration
- Missile Defense Agency

**KEY PARTNERS**

- All Points (DoD-Mentor)
- SAIC
- SRA International
- Colsa Corporation
- Dynetics
**ORGANIZATION BACKGROUND**
Radiance Technologies is a Huntsville, Alabama-based, 100% employee-owned company with locations across the U.S. and also co-located at U.S. Government facilities abroad. Radiance delivers solutions for real-world and complex Cyber issues, provides operational support to the Intelligence, Surveillance & Reconnaissance communities, and develops high-quality systems engineering; technology and prototype development, integration, and testing; and operational support for the U.S. Department of Defense and other state and federal Government organizations.

**KEY CAPABILITIES**
Sensor & signal processing design, development, testing, production, and fielding organized around:
- Aviation, Missile, and Space
- Intelligence Systems
- Operational Intelligence
- Rapid Prototyping and Production
- Systems engineering
- Integration
- Technology development & application

**KEY DISCRIMINATORS**
- AS9100C Certified
- In-place e-business and collaboration tools
- 20,000 sq./ft. manufacturing, high-bay and integration area
- 9,000 sq./ft. classified industrial space

**CERTIFICATIONS & AWARDS**
- *Inc.* Magazine’s recognition as one of the 500 fastest-growing companies in America
- SBA Region IV Prime Contractor of the Year
- SBA Tibbetts Award
- GSA Mentor-Protégé of the Year awardee

**KEY CUSTOMERS**
- U.S. Army
- Missile Defense Agency (MDA)
- United States Cyber Command (USCYBERCOM)
- U.S. Strategic Command (STRATCOM)
- AMCOM/AMRDEC
- U.S. Air Force
- U.S. Navy
- U.S. Department of Defense
- Space & Missile Defense Command

**KEY PARTNERS**
- Lockheed Martin
- L3 Communications
- Northrop Grumman
- SAIC
- Boeing
- CACI
- Booz Allen Hamilton

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ORGANIZATION BACKGROUND

Cybersecurity is of utmost importance to all of our government and commercial customers. For over 17 years Quantum has helped protect some of the most secure networks. We lead customers through the development and execution of critical information technology security best practices such as Information Assurance and risk management, the implementation of IT security processes and tools, and development and management of Cybersecurity Security Operations Centers. We refine precision technologies to counter evolving threats.

KEY CAPABILITIES

- Vulnerability Assessment
- Penetration Testing
- Incident Response
- Policy Development
- Workforce Cyber Security Training
- Information Assurance / System Cybersecurity
- Safeguard Critical Infrastructure

KEY DISCRIMINATORS

- ISO9001-2015 Certified
- 15,000 sq. ft. high bay and prototype integration area
- 10,000 sq. ft. electrical assembly area

CERTIFICATIONS & AWARDS

- One of 5 companies with the NSCAP Accreditation
- SARBANES-OXLEY, DIARMF and NIST

KEY CUSTOMERS

- U.S. Space and Missile Defense Command
- U.S. Army PEO Aviation
- U.S. Army PEO Missiles and Space
- U.S. Air Force Research Laboratory

KEY PARTNERS

- BAE
- GDMS
- Lockheed Martin
- Teledyne Brown Engineering
- SAIC
- TekLinks
- Amazon Web Services

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CFD RESEARCH CORPORATION

ORGANIZATION BACKGROUND
CFD Research Corporation (CFDRC) develops cutting edge technologies and provides innovative solutions and on-site technical services for Aerospace, Defense, and Life Sciences. Since its inception in 1987, CFDRC has worked with government agencies, businesses, and academia, and has earned national recognitions for successful application and commercialization of innovative technologies (multi-physics software, hardware designs and prototypes, and multi-disciplinary analyses).

KEY CAPABILITIES
- Research and Development
- Expert Services

KEY DISCRIMINATORS
- Pioneering Physics-based Simulations
- Coupled Multi-physics simulations
- Fabrication and T&E Expertise
- Primed 1400 contracts

CERTIFICATIONS & AWARDS
- AS 9100/ISO 9001 Certification
- CMMI SVC Level 2
- Top High Tech Company by Business Alabama Magazine
- Alabama Corporate Innovator of the Year
- Awards for NASA Ares I and SLS Design Support
- U.S. Army Achievement Award for Bio-Battery

KEY CUSTOMERS
- Department of Defense
- NASA
- Missile Defense Agency
- National Oceanic and Atmospheric Administration (NOAA)
- Aviation and Missile Research Development and Engineering Center
- Center for Disease Control
- National Institutes of Health
- Defense Health Agency

KEY PARTNERS
- Raytheon
- Torch Technologies
- Corvid
- Dynetics
- Jacobs Engineering

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TEC-MASTERS, INC.

ORGANIZATION BACKGROUND

KEY CAPABILITIES
• Engineering Services
• Modeling & Simulation
• Test & Evaluation
• System Engineering and Technical Assistance Support
• Logistics Support Services
• Space Technology
• Training & Doctrine Development
• Creative Multimedia
• Information Technology
• Cyber Security

KEY DISCRIMINATORS
• ISO 9001:2015
• CMMI Level 3 Agile Dev
• Six Sigma
• Cisco Certified
• Seaport-e

CERTIFICATIONS & AWARDS
• Top Simulation & Training Company
• Raytheon Outstanding Supplier Award
• Multiple Nunn-Perry Mentor-Protégé Awards
• NASA Exceptional Public Service Medal
• Dreamweavers Hall of Fame

KEY CUSTOMERS
• U.S. Army
• U.S. Navy
• U.S. Air Force
• NASA – Marshall Space Flight Center
• NASA – Johnson Space Center

KEY PARTNERS
• General Dynamics
• Raytheon
• Lockheed Martin
• S3
• SAIC
• Teledyne Brown
• Loyal Source Government Solutions

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ORGANIZATION BACKGROUND
Headquartered in Huntsville, Alabama since 2012, American Wind is an original equipment manufacturer (OEM) of an innovative MicroCube™ and a micro wind turbine system called the Advance WindWall™. With 40 years of engineering experience behind the company, American Wind, Inc. has developed a revolutionary wind turbine that will reduce the cost of energy infrastructure and allow for portability of the energy systems.

KEY CAPABILITIES
- 1.5 mph Cut in Speed
- <140 mph Cut out Speed
- Power solutions from 1kw-100kw, and beyond
- Highly versatile wind turbines
- Greatest power density in renewable energy sector
- 30 year life of all products
- At use power generation
- 44 db noise level (Very Quiet)
- Competitive price per kWh
- Little to no pollution
- Generate power anywhere in the world with minimum footprint

KEY DISCRIMINATORS
- Nearly frictionless power generation
- 500% more efficient than solar panels of same size
- Greater range of operation
- 95% up time
- AT²LAS™ space age composite
- 40% lighter than aluminum
- Structural steel strength
- Non-conductive
- Non-corrosive

CERTIFICATIONS & AWARDS
- Energy CIO Magazine Top Energy Start up in the world.
- Georgia Tech Research Institution Tested and Verified

KEY CUSTOMERS
- Defense Logistics Agency

KEY PARTNERS
- AGI, Inc
- Advanced American Technologies

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ORGANIZATION BACKGROUND

Rocky Research is a small high-tech engineering firm with offices in Boulder City, Nevada, and Huntsville, Alabama, specializing in thermal and energy management solutions, and has been a recognized leader in thermal and energy management design innovations for over 30 years. Additionally, the TestPro Division of Rocky Research designs and builds custom functional test systems for the automotive, medical, audio, appliance, and computer application markets.

KEY CAPABILITIES

- Thermal Management & Heat Transfer
- Chemical Analysis
- Mechanical & Structural Engineering
- Power Management
- Electrical & Electronics Controls
- Product/System Design Manufacturing
- Special Thermal Appliances
- System Engineering & Analysis
- Functional Test Equipment & Custom Test Fixtures

KEY DISCRIMINATORS

Rocky Research currently:
- holds patents on numerous technological developments
- has ongoing research & development projects
- actively manufacturing and supporting projects
- in support of commercial, industrial, and military markets.

CERTIFICATIONS & AWARDS

- ISO 9001:2015
- ETL Certified Products
- ITAR

KEY CUSTOMERS

- Major U.S. Based HVAC Manufacturers
- Appliance, LED Lighting, Battery Manufacturers
- U.S. Air Force
- U.S. Army
- U.S. Navy
- U.S. Department of Defense
- U.S. Department of Energy

KEY PARTNERS

- Rocky Research is a small high-tech engineering firm with offices in Boulder City, Nevada, and Huntsville, Alabama, specializing in thermal and energy management solutions, and has been a recognized leader in thermal and energy management design innovations for over 30 years. Additionally, the TestPro Division of Rocky Research designs and builds custom functional test systems for the automotive, medical, audio, appliance, and computer application markets.

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Cool solutions to thermal problems.
rockyresearch.com
ORGANIZATION BACKGROUND
A single source weather provider, Baron Services delivers customized solutions for a multitude of meteorological and hydrological situations. Baron has developed complete weather detection and dissemination services, dual-polarization radar hardware, and hydrological forecasting systems for countries around the world. All of these products, along with legacy hardware, can be incorporated into the Integrated Observational Network Solution (IONS) to create comprehensive turnkey integration of new and existing meteorological assets, allowing the user to make key decisions with improved situational awareness.

KEY CAPABILITIES
- Weather Radar (X, C, HighS, S-band)
- Experts in weather data integration, data analysis and processing
- Weather Modeling including:
  - Numerical Weather Prediction
  - Hydrology (50m stream resolution)
  - Land Surface Modeling
  - Air Quality
  - Coupled Marine Modeling
  - Transportation Modeling
    (Road Conditions, Aviation, Marine)
- Advance Multi-Level Displays
- Web and Mobile Applications
- Severe Weather Experts
- Location Based Weather

CERTIFICATIONS
- ISO – 9001
- ISO - 14001

KEY DISCRIMINATORS
- 24/7 customer support
- Integration services for both new and legacy technologies
- Patents held in storm tracking, tornado prediction and site specific alerting

KEY CUSTOMERS
- United States
  - US National Weather Service
  - US Department of Defense
  - US Federal Aviation Administration
  - Pacific Northwest National Laboratories
  - Ft. Greely Alaska Range
  - Redstone Arsenal Range
- Zimbabwe – Zimbabwe Meteorological Department
- Taiwan - Civil Aviation Authority
- Kazakhstan – Kazakhstan HydroMeteorological Services
- Bangladesh – Bangladesh Air Force
- Uzbekistan - The Center of Hydrometeorological Service of the Republic of Uzbekistan (UZHYDROMET)
- Morocco - National Department of Meteorology (DMN)
- Paraguay - Director of Meteorology and Hydrology of Paraguay
- Indonesia - Badan Meteorology Climatology and Geophysics (BMKG)
- Brunei - Darussalam Civil Aviation Authority (DCA)

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ORGANIZATION BACKGROUND
GEO Huntsville (Geospatial Huntsville Corporation) is a collaborative effort among businesses, academia and government entities in the region to support workforce growth and economic development. This will be accomplished by bringing awareness to the professional expertise that exists in the area and identifying job opportunities that will continue to build the economic base. The objective is to establish the Huntsville region as a major corridor for geospatial excellence whose mission is to:
- Promote economic incentives at the municipal, county & state levels.
- Serve as a Geospatial information clearinghouse for industry, community, financial/economic organizations, and educational institutions.
- Share research and best practices.
- Promote Huntsville as one of the best cities to live for economic, cultural, and educational quality of life.
- Provide ancillary economic data for city/county-wide government and private sector jobs.

KEY CAPABILITIES
- Geographic Information Systems (GIS)
- Remote Sensing
- Geospatial Software Development
- Geospatial Technology Services
- Modeling and Simulation
- Sensor Networks
- Geospatial Intelligence
- Emergency Response

KEY DISCRIMINATORS
- The only professional organization in North Alabama dedicated to advancing geospatial business and technology networking and education

MEMBERS
- Over 50 private companies, 25 government entities, and three universities which are engaged in geospatial technology applications in Huntsville and North Alabama.

KEY PARTNERS
- Energy Huntsville and Cyber Huntsville
- City of Huntsville
- U.S. Army’s Redstone Arsenal
- Missile and Space Intelligence Center
- U.S. Army Corps of Engineers - Engineering and Support Center
- University of Alabama in Huntsville, Alabama A&M University, University of North Alabama

CONTACTS/ADDRESS DETAILS
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Phone: 256-797-6376

GEO Huntsville
Huntsville, Alabama

www.geohuntsville.org
**ORGANIZATION BACKGROUND**

BHA offers full-spectrum aviation services with its headquarters located in Huntsville, AL. Experience is centered on light to heavy lift rotorcraft and fixed wing operated in varied environments around the globe. Using its Federal Aviation Administration (FAA) certified repair station (Cert # 8BHR720C), operating under the U.S. Code of Federal Regulations Title 14, Aeronautics and Space Part 145, the company specializes in aircraft modification, technology insertion, aircraft maintenance, training, contractor logistics support and aircraft operations.

**KEY CAPABILITIES**

- Systems Integration
- Software Development
- Aviation Maintenance and Overhaul
- Engineering Certification
- Supply Chain Management
- Aircraft Leasing
- Technology Insertion

- Program and Project Management
- Logistics (Provisioning, Publications, Procurement)
- Warehousing
- Manufacturing
- Ballistic Protection/Armor

**KEY DISCRIMINATORS**

- FAA Organizational Delegation Authority (ODA)
- FAA 145 Repair Station
- Proximity to US Army’s Aviation and Missile Command
- AS9100D, AS9110, and ISO 9001:2015

- State of the Art hangar facility at International Airport
- DTIC Certified
- Owned by Aviation Operators and Maintainers
- Joint Ventures in Colombia and Iraq

**CERTIFICATIONS & AWARDS**

- FAA 145 MRO 8BHR720C
- Huntsville’s 2016 Small Business of the Year, Technology Division

- Lockheed Martin, (Vendor# LM1578601)
- Northrup Grumman
- L-3 Vertex
- L-3 Com
- KBRwyle

**KEY CUSTOMERS**

- Tyonek
- Akima
- Non-Standard Rotary Wing (USG)
- Air Soldier (USG)
- PM SAI /PM Fixed Wing (USG)

**KEY PARTNERS**

- Pan American Training Company
- Tyonek

**CONTACTS/ADDRESS DETAILS**

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Phone: 256.971.1967

620 Discovery Drive, Building 1, STE 200
Huntsville, AL 35806
www.blackhallaerospace.com
CUMMINGS AEROSPACE

ORGANIZATION BACKGROUND
Cummings Aerospace, founded in 2009, is headquartered in Huntsville, Alabama, with corporate office in Florida and California. Core competencies in systems engineering, modeling and simulation, algorithm development, and sensor system integration and test enable Cummings Aerospace to provide integrated solutions to the Aerospace, Defense and Intelligence community.

KEY CAPABILITIES
- Missile/ Satellite/ Sensor System Hardware Design, Prototype, Integration & Test
- Modeling & Simulation Tools to support system design
- Test Range Integration
- Launch Operations

KEY DISCRIMINATORS
- In-House Modeling & Simulation Tools to support Systems Engineering Lifecycle
- Software and Hardware Prototyping Labs
- Certified Launch Operators
- Personnel w/ 20+ years experience in U.S. Department of Defense (DoD) and Intelligence industry

CERTIFICATIONS & AWARDS
- ISO 9001:2008 Certified
- 2012 Huntsville Chamber of Commerce Small Business Award Winner
- 2013 Better Business Bureau Torch Award Finalist

KEY CUSTOMERS
- Missile Defense Agency (MDA)
- U.S. Department of Defense
- Defense Threat Reduction Agency (DTRA)
- U.S. Air Force
- NASA Kennedy Space Center

KEY PARTNERS
- Lockheed Martin
- Northrop Grumman
- AIRBUS Defense & Space
- BAE Systems
- Textron Systems
- TENAX Aerospace

CONTACTS/ADDRESS DETAILS
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Phone: 256-704-6320
5125B Research Drive
Huntsville, AL 35805
www.cummingsaerospace.com
FMS AEROSPACE

ORGANIZATION BACKGROUND
FMS Aerospace specializes in converting standard aircraft into missionized platforms through design, analysis, flight test and airworthiness services. FMS engineers have decades of experience designing, analyzing and testing airframe modifications for various types of flight vehicles including U.S. Army and Air Force ISR fixed wing assets, multiple rotary-wing platforms, UAVs, and LTAs.

KEY CAPABILITIES
• Airframe Modification Design
• Structural Engineering Services
• Computer Modeling, FEA & CFD
• Flight Test Administration
• Data Acquisition
• Instrumentation Systems
• Airworthiness Testing
• Platform Certification

KEY DISCRIMINATORS
• Turnkey solution including design, flight test and airworthiness certification
• Experience with multiple flight vehicles and platforms

CERTIFICATIONS & AWARDS
• Recognized as one of the top emerging businesses in aviation
• Nominated as top employer by Chamber of Commerce of Huntsville/Madison County

KEY CUSTOMERS
• U.S. Army
• U.S. Air Force
• State Governments
• Industry

KEY PARTNERS
• Commercial Aircraft Operators
• PEO Aviation
• Government Contractors

CONTACTS/ADDRESS DETAILS
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Phone: 256-929-5470

2401 Triana Blvd
Huntsville, AL 35805

www.FMSAero.com
OMICRON RESEARCH CORPORATION

ORGANIZATION BACKGROUND
Omicron Research Corporation provides agile software, programmatic, and engineering support services to the U.S. Department of Defense. Omicron builds tactical airspace management software for the U.S. Army, where seconds save lives. Omicron, incorporated in 2012, has a rock solid commitment to quality for all customers. Omicron employs staff in positions ranging from software/systems engineers to chief engineers/architects and deputy program managers supporting both government and commercial customers.

KEY CAPABILITIES
- Software Architecture
- Program and Project Management
- Systems Engineering
- Software and Hardware Integration
- Logistics

KEY DISCRIMINATORS
- Proven Agile Software Development in multiple federal programs
- Veteran Aviation experience
- DOD Tactical Software SMEs

KEY CUSTOMERS
- U.S. Army
- Project Executive Office Aviation (PEO Aviation)
- Project Executive Office Command Control Communications – Tactical (PEO C3T)
- Project Manager for Air Traffic Control (PM ATC)
- Project Manager for Mission Command (PM MC)
- Project Mgt. Office Unmanned Aircraft Systems (PM UAS)

KEY PARTNERS
- SAIC
- Intuitive Research and Technology Corporation

CONTACTS/ADDRESS DETAILS
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Greg@omicronresearch.com
Phone: 256-468-0959

7027 Madison Pike NW, #108
Huntsville, AL 35806

www.omicronresearch.com
ORGANIZATION BACKGROUND
A dedicated, award winning, industry leader with over 4 decades of experience in RDTE & manufacture of advanced video & audio signal routing & processing equipment for government, corporate, & commercial clients. Fixed infrastructure and mobile/deployable systems.

KEY CAPABILITIES
PESA is about directing/managing the movement of video & audio signals...
- Design/build/deliver flexible solutions: 100% streaming to 100% baseband (analog up to 4K – UHD uncompressed Full Motion Video) or a hybrid blend (linear core/IP edge)
- Support delivery via Streaming, traditional Linear TV formats, Multiscreen, OTT within the PESA Integrated Environment
- Format conversion for use world-wide
- Manage different transport medium: Coaxial, Optical Fiber, CAT5, HDMI
- Industry leading multi-channel streaming video & audio

KEY DISCRIMINATORS
- Extensive line of audio & video signal processing equipment for mission critical command & control, network control centers, training & simulation, broadcast & communications needs
- 24/7 call-in response with our dedicated technical staff
- Platforms that operate in harsh environments affording a lower total life cost
- Scalable, expandable, leading edge

CERTIFICATIONS & AWARDS
- DoD Certified video distribution system hardware & software
- Society of Motion Picture & Television Engineers (SMPTE)
- US/Canada Joint Certification Program
- 2014/2015/2016/2018 National Association of Broadcasters (NAB) Best of Show
- 2014 New Product Innovation Award

KEY CUSTOMERS
- U.S. Navy
- U.S. Air Force
- U.S. Army
- Combined Commands
- U.S. Department of State
- U.S. Department of Justice
- National Aeronautics & Space Administration
- U.S. Department of Homeland Security
- U.S. Dept. of Health & Human Services
- Canada House of Commons
- Local government
- Commercial Broadcast, Sports, & Entertainment Companies world-wide

KEY PARTNERS
- Lockheed Martin
- Raytheon
- Boeing
- General Dynamics
- Northrop Grumman
- HDT Global
- Commercial space launch ventures
- Professional A/V dealers & system integrators worldwide

CONTACTS/ADDRESS DETAILS
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Phone: 256-726-9200

Learn how PESA may assist you at www.PESA.com

ORGANIZATION BACKGROUND
A dedicated, award winning, industry leader with over 4 decades of experience in RDTE & manufacture of advanced video & audio signal routing & processing equipment for government, corporate, & commercial clients. Fixed infrastructure and mobile/deployable systems.
Huntsville Aeronautics is a diverse team of leading industry professionals in science, energy, technology development and aerospace law. Huntsville Aeronautics provides innovative concept, manufacturing, implementation and documentation solutions to customers in the aerospace and defense markets. Huntsville Aeronautics’ capabilities include analysis, design, fabrication and testing of propulsion, cryogenic, energy storage, UAV/USV components and systems, and technical agreements for domestic and international customers.

KEY CAPABILITIES

- Cryogenic Systems Design/ Novel Insulation
- Cryogenic System Testing
- Propulsion Systems Components Design & Fabrication
- CleanSheet UAS/USV Design & Build
- Florida SpaceCoast Fabrication Facilities
- Simulated Regolith Environment Testing and Regolith Derived
- Commercializing
- Innovating LNG Transport Systems Using Advanced Technologies for Space Commodities Transfer and Storage

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KEY DISCRIMINATORS

- Strong, Experienced, Distinguished SME Team
- Proven and Disruptive Design Methods
- Customized Project Solutions
- Trade & Regulatory Knowledge
- Intellectual Property Portfolio
- Experienced in Leveraging Global Partnerships For Cooperation and Co-Development

CERTIFICATIONS & AWARDS

- Over 10 technology patents
- R&D 100 Award

Huntsville Aeronautics Team Members perform services for:

- Air Force Research Lab – Propulsion
- Aspen Aerogels – Cryogenics
- Boeing – Propulsion
- NASA – Cryogenics & Propulsion
- Vitol Tank Terminals International-UAV
- U.S. Coast Guard - UAV

Huntsville Aeronautics Team Members formed strategic partnerships with:

- Aspen Aerogels
- University of Central Florida
- Yale University

CONTACTS/ADDRESS DETAILS

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Phone: +1(256) 542-0002

7027 Old Madison Pike, Suite 108
Huntsville, AL 35806
www.haeronautics.com

@haeronautics

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@haeronautics
FIFTH GAIT TECHNOLOGIES, INC.

ORGANIZATION BACKGROUND
Fifth Gait Technologies, Inc. is a minority-woman-owned small business with the goal of providing quality and timely engineering services and products. Through its personnel and associates, Fifth Gait Technologies provides our customers access to a large pool of scientists and engineers with experience working cooperatively with each other on numerous programs. Our personnel have established reputations as experts in nuclear survivability, image processing, real time systems, and IR sensors. We provide immediate value-added to any program that uses our support. Our personnel and associates hold the clearances required to perform work on critical programs.

KEY CAPABILITIES
• Space and Radiation Effects
• Radiation Testing for Components and Systems
• Space Weather
• Satellite, Missile, and UAV Applications
• Electro-Optics System/Component Design and Characterization
• Real-Time Sensor Image and Signal Processing
• Real-Time Atmospheric Obscurants Mitigation

KEY DISCRIMINATORS
• Nationally Recognized Subject Matter Experts
• Nationally Recognized Facilities and Test Support Equipment Experience and Developer

CERTIFICATIONS & AWARDS
• 2017 Raytheon EPIC Award for Supplier Excellence
• 2018 Nunn-Perry Award

KEY CUSTOMERS
• Defense Threat Reduction Agency
• Department of Energy
• Missile Defense Agency

KEY PARTNERS
• ARA (Applied Research Associates)
• L3 Communications
• Lawrence Livermore National Laboratory
• Orbital ATK
• Raytheon Missile Systems
• Lockheed Missiles and Space

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Kathryn Doughty, Ph.D.
President/CEO
Santa Barbara, CA 93111
(805) 964-1496
kathy@5thgait.com
www.5thgait.com
ORGANIZATION BACKGROUND
Five Stones Research Corporation (5SRC) is headquartered in Huntsville, Alabama. Founded in 2006, the company has remarkable corporate and personnel experienced in delivering multidisciplinary comprehensive solutions to government and industry partners. Core areas are Engineering, IT and Logistics.

KEY CAPABILITIES
- Models Based Systems Engineering
- Radar Analysis
- Test and Evaluation
- Flight and Ground Testing
- RAM Engineering
- Health Care Information Technology
- SharePoint Services
- Enterprise IT Solutions
- Training
- Integrated Logistics Support

KEY DISCRIMINATORS
- Expertise – Across Engineering, IT and Logistics
- Value – Lost cost, high performing partner
- Service - Operates with Integrity and Honesty

CERTIFICATIONS & AWARDS
- Chamber of Commerce Best Places to Work 2013 & 2014
- Inc. 500 2013 & 2014
- Hiring our Heroes

KEY CUSTOMERS
- U.S. Army Materiel Command
- Missile Defense Agency
- PEO Missiles and Space
- PEO Aviation
- Army Test and Evaluation Command

KEY PARTNERS
- Lockheed Martin
- Raytheon
- SAIC
- CSC
- Intuitive Research and Technology Corporation

CONTACTS/ADDRESS DETAILS
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Brownsboro, AL 35741

www.5sr-Hsv.com
ORGANIZATION BACKGROUND
nLogic is an employee-owned business that provides highly-valued products and services to government and industry customers. Current operating locations include Huntsville, AL; Vandenberg Air Force Base, CA; Fort Greely, AK; Fort Lee, VA; White Sands, NM; El Paso, TX; Colorado Springs, CO; Denver, CO; Offutt Air Force Base, NE; Arnold Air Force Base Tullahoma, TN; and New Orleans, LA. nLogic is known for responsiveness and agility with a commitment to integrity on a daily basis. The company has an excellent reputation, proven capabilities, experienced staff, high employee retention, and competitive rates.

KEY CAPABILITIES
• Systems Engineering & Integration
• Modeling & Simulation
• Test & Evaluation
• Sensor Systems
• Advanced Technologies
• Software Life Cycle
• Programmatic
• Logistics
• Cyber Security
• Info Technologies

KEY DISCRIMINATORS
• 100% Employee Stock Ownership Plan (ESOP)
• Diverse Customers and Proven Capabilities
• Staffing for Subject Matter Expertise and Surge
• Strategic Business Support and Proposal Development
• Agile, Flexible and Responsive
• Affordable Rates

CERTIFICATIONS & AWARDS
• ISO 9001:2015 Certified, AS9100D Compliant, CMM-I Services Level 2 Certified, NIST 800-171 Complaint; & ITAR Compliant
• 2014: Better Business Bureau Winner Marketplace Ethics Award
• 2017 Character Foundation of North Alabama (CFNA) Business of Character Winner
• 2016/2017 Inc. Magazine Best Workplaces Award
• 2016 US Chamber of Commerce Small Business of the Year Blue Ribbon Winner
• 2014 Huntsville/Madison County Chamber of Commerce Small Business of the Year
• 2012: Principal “10 Best” Companies
• 2011: Inc. Magazine Top Small Company Workplace Finalist
• 2018: Boeing Supplier of the Year
• 2008-2017: Boeing Performance Excellence Award
• 2012: Northrop Grumman Supplier Excellence Award

KEY CUSTOMERS
• U.S. Army
• U.S. Air Force
• U.S. Navy
• U.S. Special Operations
• U.S. Strategic Command
• Missile Defense Agency
• Defense Commissary Agency
• NASA
• National Aerospace Solutions
• Boeing
• Cubic
• Harris IT
• Leidos
• Lockheed Martin
• Northrop Grumman
• Peerless
• SAIC
• Teledyne Brown Engineering

KEY PARTNERS
• Boeing
• Leidos
• Northrop Grumman
• SAIC

CONTACTS/ADDRESS DETAILS
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Email: tim.thornton@nlogic.com
Phone: 256-704-2524
Fax: 256-704-2540

4901 Corporate Drive, Suite H
Huntsville, AL 35805
www.nlogic.com
AZ TECHNOLOGY

ORGANIZATION BACKGROUND
AZ Technology’s rich history includes developing spaceflight experiments placed on the outside of the Russian Space Station Mir during the first joint Russian/US spacewalk. This early research led to many current products and services: thermal control and conductive paints/coatings for spacecraft and terrestrial applications; optical properties measurement instruments; optical properties measurement services (reflectance, emittance, SRI, LEED); and paint/coating characterization.

KEY CAPABILITIES
- Optical Properties Measurement Instruments
- Optical Properties Measurement Services
- Thermal Control Space Paints
- Conductive Space Paints
- Color Logo Space Paints
- Spacecraft Coating Service
- Baffle Coatings
- Ionic Liquids Research
- Advanced Materials
- Coatings Research and Development
- LEED, SRI

KEY DISCRIMINATORS
- In Space Industry Since 1990
- Produced Logos on International Space Station (ISS) for NASA, ESA
- Coatings used on Mars Rover, ISS, many satellites and other spacecraft
- Instruments used on MIR space station
- Products sold to companies, labs and space agencies worldwide

CERTIFICATIONS & AWARDS
- U.S. Small Business Administration: Alabama Small Business Exporter of the Year 2013
- Alabama Governor’s Trade Excellence Award 2012
- NASA Technology Transfer Award 2010

KEY CUSTOMERS
- NASA, ESA, JAXA, CONAE
- U.S. Department of Defense
- Loral Space Systems
- Lockheed Martin
- Boeing
- Orbital
- Apple

KEY PARTNERS
- Boeing
- NASA
- SAIC
- Loral
- U.S. Department of Defense
- Lockheed Martin
- University of Alabama, Huntsville
- Teledyne

CONTACTS/ADDRESS DETAILS
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Phone: 256-837-9877

www.aztechnology.com
www.logosinspace.com
Plasma Processes is a small business specializing in the development and manufacture of high temperature materials, coatings, and additive manufacturing components and powders. We develop, apply and validate coating solutions for thermal and oxidation protection, emissivity, wear and corrosion resistance and dimensional restoration, in addition to the additive manufacture of net-shape components by vacuum plasma and EL-Form® deposition processes. We support the aerospace and defense community with advanced materials for propulsion, thermal protection and wear.

**KEY CAPABILITIES**
- Additive Manufacturing
- Additive Manufacturing Powders
- Vacuum Plasma Spray
- Molten Salt Electrochemical Deposition
- Inert Plasma Spray
- Air Plasma Spray
- High Velocity Oxy-Fuel
- Wire Arc Spray
- Cold Spray/3D Painting
- Metallurgical Analysis
- Contract Research & Development
- High-Temperature Propulsion Subcomponent Manufacture

**KEY DISCRIMINATORS**
- Founded in 1993
- Highly educated staff with advanced materials and chemical expertise
- 44,000 ft2 facility (expandable)
- Fully equipped metallographic laboratory

**CERTIFICATIONS & AWARDS**
- NASA Marshall Space Flight Center Small Business Subcontractor of the Year 2013
- ISO 9001:2008
- AS9100C

**KEY CUSTOMERS**
- NASA
- U.S. Department of Defense
- U.S. Department of Energy
- Aerojet Rocketdyne
- Orbital ATK
- SpaceX
- Boeing
- Lockheed Martin Company
- Virgin Galactic
- Blue Origin
- ECAPS AB
- Johns Hopkins Advanced Propulsion Laboratory
- General Electric/Unison Industries

**KEY PARTNERS**
- GeoCent, New Orleans, LA & Huntsville, AL
- ZP Enterprises, Atlanta, Georgia
- AccuTool, Apex, North Carolina
- Advanced Machining, Salisbury, North Carolina
- AccuTool, Apex, North Carolina

**CONTACTS/ADDRESS DETAILS**
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4914 Moores Mill Road
Huntsville, AL 35811

www.plasmapros.com
ORGANIZATION BACKGROUND
Founded in 2014, RadioBro Corporation specializes in small spacecraft systems, embedded systems, and data acquisition.

KEY DISCRIMINATORS
- Small, agile team
- Rapid product development
- Custom engineered solutions
- Exporting Globally

KEY CAPABILITIES
- Embedded systems design, manufacturing, and testing
- Cyclone™ Data Acquisition System
- RFID Systems
- Custom and Standardized Spacecraft Electronics
- New and PMA Avionics

CERTIFICATIONS & AWARDS
- AS9100 Compliant

KEY CUSTOMERS
- XP Services Inc.
- Teledyne Brown Engineering
- NASA MO&I Subcontractor
- NASA MSFC Education

KEY PARTNERS
- UAH Invention to Innovation Center
- STI Electronics
- Deep Blue Concepts Inc.

CONTACTS/ADDRESS DETAILS
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Phone: +1 256 469 8249
555 Sparkman Drive NW, Suite 1040
Huntsville, Alabama, 35816 USA
www.radiobro.com
ORGANIZATION BACKGROUND
TriVector was founded in 2008 by three NASA Engineers with spacecraft and unmanned systems expertise. TriVector applies that expertise on various launch vehicles, nanosatellites, unmanned systems, and energy and sustainability projects, both domestically and internationally. TriVector helps its customers:
• Maintain ITAR and EAR compliance
• Test & validate nanosatellites for the harsh environment of space;
• Repurpose unmanned systems for environmental monitoring, oceanic, arctic and atmospheric studies;
• Perform software airworthiness analysis on unmanned systems.

KEY CAPABILITIES
• Modeling & Simulation
• Software Engineering/Airworthiness
• Unmanned Systems
• Missile Defense
• Architecture/Software Integration
• Guidance, Navigation & Control
• International Business

• Export Control Compliance (ITAR/EAR)
• Requirements Development & Management
• Configuration & Data Management
• Test Engineering & Integration
• Risk Management
• Technical Product Management
• Acquisition Strategy & Procurement

KEY DISCRIMINATORS
• Selected by NOAA National Environmental Satellite Data & Information Service (NESDIS) to update the Office of Space Commerce Export Control Guidebook
• U.S. Department of State DDTC registered and compliant
• Multiple TAAs with multiple international partners
• Subject Matter Experts with decades of experience on international programs

CERTIFICATIONS & AWARDS
• 2011 Small Business Excellence Award
• 2013 Best Places to Work Award
• 2014 ASME (local chapter) Outstanding Engineering Firm of the Year
• 2016 Governor’s Trade Excellence Award
• 2017 Technology Services Small Business of the Year

KEY CUSTOMERS
• Missile Defense Agency
• National Oceanic & Atmospheric Administration (NOAA) – Unmanned Systems
• NOAA/NESDIS
• National Aeronautics & Space Administration (NASA)
• U.S. Army Software Engineering Directorate, System Simulation & Development Directorate

KEY PARTNERS
• Parsons
• Cherokee Nation
• SAIC
• Intuitive Research & Technology Corporation
• Jacobs Engineering
• Torch Technologies
• Victory Solutions
• Stratolaunch
• MTS

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ORGANIZATION BACKGROUND
3D Orchard is an online platform for crowdsourced design. The platform distributes free, browser-based CAD tools to people around the world. On 3D Orchard, anyone can collaboratively design 3D engineering CAD models. We connect this army of engineers with companies that create products. Crowdsourced engineering can result in lowered R&D costs and a faster time to market for your engineering firm.

KEY CAPABILITIES
• Crowdsourced Engineering Services
• Free, browser-based CAD
• Built-in 3D printing fabricators

KEY DISCRIMINATORS
• Direct design feedback from market
• Potential to reduce cost & time to market
• Public or private crowdsourced design results
• Lightweight, powerful CAD tools that run in the browser

CERTIFICATIONS & AWARDS
• Top Disruptive Startup, CTO Forum 2016

KEY CUSTOMERS
• Small to medium business manufacturers
• Product design firms
• Schools & Universities
• Makers, engineers, designers
• Anyone with an idea!

KEY PARTNERS
• 3D printing Fabricators
• Manufacturers
• Hardware suppliers

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Dan@3DOrchard.com
Phone: 206-730-8776

General Inquiries:
Contact@3DOrchard.com

3D Orchard.com
ORGANIZATION BACKGROUND
Headquartered in Huntsville, Alabama, Avion Solutions is an employee-owned company that consistently delivers excellence by working collaboratively with our customers to provide manned and unmanned aviation services along with engineering, programmatic and technical support.

In business for over 26 years, Avion believes that our professional expertise keeps our warfighter, nation and communities safer, and helps extend the life of the critical systems that our nation depends on.

KEY CAPABILITIES
• Airworthiness
• System Engineering/Integration
• Small Unmanned Systems
• Critical Safety Items
• Integrated Logistics Services
• Aeromechanics
• Condition Based Maintenance
• Technical Data Management
• Test and Evaluation
• Risk Analysis/Assessment
• Production Engineering
• Quality Management
• Industrial Operations
• Propulsion Systems/Technology
• Structures and Materials
• Unmanned Aviation Services
• Energy Efficiency Engineering

KEY DISCRIMINATORS
• Technical Expertise: Army Aviation Platforms & Weapons Systems
• Multi-Disciplined Aerospace Engineering & Logistics Services
• Technology Development, Insertion, Transition & Innovation
• Mechanical & Systems Engineering, Software Development
• Streamlined Airworthiness Qualification Process for IUID Part Candidates
• Authorized by DoD Registry to Host IUID Data for Registry Interface

CERTIFICATIONS & AWARDS
• ISO 9001:2015 Certification
• Aviation Engineering Directorate Weapons System Award for Contractor Excellence
• Best Places to Work 2019 — Huntsville/Madison County Chamber
• Best Small Business Government Contractor of Year — Huntsville/Madison County Chamber

KEY CUSTOMERS
• Office of the Secretary of Defense
• U.S. Army
• U.S. Air Force
• U.S. Navy

KEY PARTNERS
• Research, Development & Engineering Command (RDECOM)
• Aviation & Missile Research Development and Engineering Center (AMRDEC)
• U.S. Army Aviation & Missile Command (AMCOM)
• U.S. Air Force Life Cycle Management Center
• Aviation Engineering Directorate
• Software Engineering Directorate

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Phone: 256-327-7152

Evan Wagner, VP and COO
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ORGANIZATION BACKGROUND
Excelerate is an internationally recognized complex system solutions provider with expertise in a widening range of technologies and their application to defense, aviation and aerospace systems. Our technical depth and international business experience ensures responsiveness to the most complex requirements.

Excelerate is technology independent meaning we provide the best most cost effective solution to our international customer’s requirements. We are ITAR and international business experts with a proven record of success.

KEY CAPABILITIES
• Sensor Simulations
• Technology Integration
• Training Systems
• Test Equipment
• Engineering Support

• Missile Systems
• Aviation
• Unmanned Systems
• ITAR Compliance

KEY DISCRIMINATORS
• Technology Independent – we provide the best most cost effective solutions
• Large team of strategic partners
• Experienced in ITAR, EAR, export/import regulations
• U.S. based solutions or support teaming for U.S. market entry
• Our business focus is the international market

KEY CUSTOMERS
• Ministries of Defense World Wide to Include: Japan, India, Korea, UK, Canada, UAE....
• Worldwide Satisfied Commercial Base of Returning Customers
• Key Agents, Distributors and Support Staff Worldwide
• Commercial Space Initiative Supporting International Customers
• U.S. Defense and Aerospace Partners across a wide spectrum of technologies, systems and services

KEY PARTNERS
• Ministries of Defense World Wide to Include: Japan, India, Korea, UK, Canada, UAE....
• Worldwide Satisfied Commercial Base of Returning Customers
• Key Agents, Distributors and Support Staff Worldwide
• Commercial Space Initiative Supporting International Customers
• U.S. Defense and Aerospace Partners Across a wide spectrum of technologies, systems and services

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Fax: 256-325-4052

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Huntsville, AL 35806

www.Excelerate-Inc.com
www.ITARHelp.com
ORGANIZATION BACKGROUND
Intuitive Research and Technology Corporation (INTUITIVE) is an aerospace engineering and analysis firm headquartered in Huntsville, Alabama, that provides technical and programmatic services. INTUITIVE’s approach couples the latest technology with engineering expertise, analytical proficiency and keen managerial oversight. From design through production to sustainment, the company has a solid record of providing quality management and technical solutions throughout all phases of a systems life cycle.

KEY CAPABILITIES
- Systems Analysis & Integration
- Project & Technology Management
- Development & Rapid Prototyping
- Production Systems Analysis & Support
- Quality & Reliability Support
- Technical & Analytical Services
- Simulation Analysis & Modeling
- Systems Engineering
- Electrical & Mechanical Design
- Test & Evaluation
- Training
- Technology Management
- Program Management
- Sustainment Support
- Software Engineering

KEY DISCRIMINATORS
- Export Compliant policies and procedures
- Life cycle experience on extensive array of Missile & Aviation Systems
- Highly experienced in international program support
- Subject Matter Experts in multiple engineering disciplines and systems
- Prime contractor with demonstrated success managing teams of vendors and subcontractors

CERTIFICATIONS & AWARDS
- ISO 9001:2015 / AS9100D registered
- CMMI-Dev ML3 appraised
- Best Places to Work Huntsville/Madison County 2008-2018
- Military Times Best for Vets List 2012-2018
- National Great Place to Work 2010-2017

KEY CUSTOMERS
- U.S. Army
- U.S. Air Force
- U.S. Navy
- Missile Defense Agency (MDA)
- Department of Homeland Security

KEY PARTNERS
- Aviation & Missile Research, Development & Engineering Center (AMRDEC)
- U.S. Army Aviation & Missile Command (AMCOM)
- Space & Missile Defense Command (SMDC)
- Commercial Companies

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KAYA ASSOCIATES, INC.

ORGANIZATION BACKGROUND
KAYA Associates, Inc., headquartered in Huntsville, Alabama, has developed a solid track record of technical and program management support to clients in the defense and commercial sectors. Kaya has become a trusted partner for Engineering Services, Installation Management, Information Technology (IT) Services, Geospatial Information Systems (GIS) & Air Traffic Control (ATC) Communications Services.

KEY CAPABILITIES
Installation Management
• Base Operations Support
• Facility Management
• Airfield Operations

Information Technology
• Database maintenance and design
• Web development
• Global Positioning System (GPS)
• Geospatial services
• Interactive web maps
• Enterprise management

Engineering
• Real property master planning
• Interior design & space planning
• Facility engineering

Air Traffic Control Communications & Electronics
• Design/Systems engineering
• Installation/site preparation

Fabrication Services
• Custom metal parts production
• Structural steel fabrication
• On-site capable

CERTIFICATIONS & AWARDS
• 2010, 2011, and 2012 Inc. 500/5000 Fastest Growing American Companies
• 2011 SBA Alabama Businesspersons of the Year
• 2010 SBA Government Contracting Services Finalist
• 2012, 2013 and 2014 Best Places to Work Finalist

KEY CUSTOMERS
• Missile Defense Agency (MDA)
• National Aeronautics & Space Administration (NASA)
• U.S. Dept. of Transportation
• U.S. Air Force
• U.S. Army
• U.S. Navy
• U.S. Marine Corps

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www.kayacorp.com
**ORGANIZATION BACKGROUND**

Established in 2003, MJLM Engineering and Technical Services’ (MJLM) customer-base consists of Government Agencies heavily supporting Redstone Arsenal (RSA) and its tenet commands. Our niche markets are: Engineering, Test Measurement Diagnostic Equipment (TMDE), Sustainment, and Logistics with an emphasis in prototype development. In support of these efforts, MJLM has built a workforce of highly-trained Engineers, Logisticians, Technicians, and Administrative professionals committed to supporting our Customers’ requirements. MJLM is JCP and ISO 9001:2008 certified as well as CMMI Level III compliant. MJLM is an ITAR registered company with an accounting system that is DCAA-approved.

**KEY CAPABILITIES**
- System Engineering / Integration
- Lifecycle Logistics
- Prototype Development
- Field Service / FSR
- IUID / Parts Tracking
- Obsolescence Repair
- Asset Management
- Reverse Engineering
- Computer-Aided Design
- Cable Fabrication
- TMDE, Metrology, Calibration Support
- Data / Configuration Management
- Depot-level Maintenance (10/20)
- Quality Assurance
- Verification, Validation & Integration
- ATE/TPS Development SME
- Circuit Card Assembly
- Sustainment/RESET

**KEY DISCRIMINATORS**
- GSA Schedule Prime: GS-10F-0117U (PSS/Professional Engineering Services)
- TOP SECRET Facility Clearance Level (TS FCL)
- In-house Cable Fabrication & Circuit Card Assembly Capabilities
- Deltek™ CostPoint 7.1 Accounting System – DCAA-approved
- Subject Matter Expert (SME) - Automatic Test Equipment/Test Program Set
- Proven track record providing cost-savings to US Government at little to no risk!

**CERTIFICATIONS & AWARDS**
- ISO 9001:2015 Certified (as of April 2018)
- ITAR Registered
- U.S./Canada JCP (Joint Certification Program) Certified
- Capability Maturity Model Integration (CMMI) Level 3 In-Progress

**KEY CUSTOMERS**
- U.S. Army Aviation & Missile Command (AMCOM) – Redstone Arsenal
- Defense Logistics Agency (DLA) – Various Organizations
- Oak Ridge National Laboratory (ORNL) – Oak Ridge, TN
- Product Director Test, Measurement, & Diagnostic Equipment (PD TMDE) – Picatinny Arsenal & Redstone Arsenal
- Program Executive Office Missiles & Space (PEO M&S) – Redstone Arsenal
- AMCOM Logistics Center (ALC) – Redstone Arsenal

**KEY PARTNERS**
- AECOM
- Bevilacqua Research Corporation (BRC)
- CALIBRE
- CFDRC
- LogiSys
- Qualis Corporation
- QMAX
- Torch
- SAIC
- University of Alabama (UA)
- University of Alabama Huntsville (UAH)
- Warfighter Solutions (WFS)
- Yulista

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CAGE Code: 3CT95 / DUNS: 784907206

**NAICS Codes**
- 332994
- 334418
- 334419
- 334515
- 335311
- 335931
- 336413
- 488190
- 541330
- 541380
- 541519
- 541514
- 541712
- 561210
PINNACLE SOLUTIONS, INC.

ORGANIZATION BACKGROUND
Pinnacle Solutions was founded in 2008, with the mission to be the industry leader in Aircraft Modernization and Sales; Program, Training, and Technical Services; and Engineering, Development, and Light Manufacturing. We achieve this by exceeding the expectations of our customers on all programs and by delivering quality products on time, every time. We have an experienced executive management team with a proven track record of successful cost, schedule, and technical performance on an extensive range of contracts.

KEY CAPABILITIES
- Flight Operations / Flight Training
- Aircraft Maintenance / Contractor Logistics Support (CLS)
- Contractor Ops & Maintenance of Simulators (COMS) / Contractor Instructor Services (CIS)
- Aircraft Modifications
- Graphics and Illustration Development
- Interactive Electronic Technical Manual (IETM)
- Virtual Learning Environments
- Computer based Training/Interactive Multimedia Instruction (IMI)
- Maintenance and Flight Training Devices
- Integration and IT Support
- Program Management and Control

KEY DISCRIMINATORS
- Technical Expertise across a broad spectrum of rotary wing, fixed wing, tiltrotor, and unmanned platforms & weapon systems
- Subject Matter Experts with decades of experience on international aerospace programs
- Experience working with International customers since 2009
- Experience with Collective Bargaining Agreement (CBA) and Service Contract Act (SCA) covered workforces

CERTIFICATIONS & AWARDS
- CMMI Level III
- ISO 9001:2008
- AS 9110C
- AS 9100D
- 2015 NAITA Global Trade Award
- SES Gold Supplier Award

KEY CUSTOMERS
- National Aeronautics & Space Administration (NASA)
- U.S. Army
- U.S. Special Operations Command
- U.S. Air Force
- U.S. Marine Corps

KEY PARTNERS
- Lockheed Martin
- Boeing Sikorsky Aircraft Support
- M-1 Support Services
- CAE
- Raytheon
- Nova Technologies
- American Systems
- L-3
- Sikorsky

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FlightSafety International
USfalcon
Waltonen
Sigmatech, Inc.
SAIC
Wyle
SES
ORGANIZATION BACKGROUND
RMCI is the most experienced helicopter health monitoring team in the world. With over 13 years of experience monitoring over 3,000 U.S. Army and civil rotorcraft, RMCI supports advanced scientific techniques for vibration data analysis, hardware and software design and integration, and on-site support and training. Leveraging expertise in health monitoring, RMCI offers the Expandable Rotorcraft Diagnostic System (XRDS™), a fully-capable Health and Usage Monitoring System (HUMS) solution for helicopters, and Krēnō, a software solution for managing and analyzing HUMS data.

KEY CAPABILITIES
- An advanced and lightweight monitoring system for helicopters and fixed-wing aircraft
- Comprehensive mechanical diagnostics
- Advanced Rotor track and balance
- Bearing, gearbox, and engine diagnostics
- Big data analytics
- Flight Data Monitoring (FDM) for Safety management systems and flight ops quality assurance
- Development of new condition indicators (CIs) for the detection of specific component faults

KEY DISCRIMINATORS
- Highly skilled team
- More helicopter health monitoring experience than any other firm
- Provides products and services to bring the benefits of HUMS to civil aviation, including XRDS, a next generation lightweight HUMS
- Common ground station software for advanced analytics

KEY CUSTOMERS
- Oil and Gas Industry Helicopter operators
- US Air Force
- US Army Aviation
- US Coast Guard
- US Navy
- Missile Defense Agency
- NASA
- Department of Energy

KEY PARTNERS
- International Helicopter Safety Team
- International Aviation Operators
- Great Slave Helicopters, Inc.
- Airborne Law Enforcement
- United Rotorcraft, Inc.
- Air Methods, Inc.
- Energy Companies

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SARAI SERVICES GROUP, INC.

ORGANIZATION BACKGROUND
Sarai Services Group, Inc. (SSG) is committed to providing quality mission support, training, web services and information technology solutions to the government and commercial communities. SSG strives to support its customers throughout the acquisition life cycle and information technology processes. The company is a HUBZone-certified, Service-disabled Veteran-owned small business that is an active participant of the Department of Defense Mentor-Protégé Program.

KEY CAPABILITIES
- Organic Teleport Services
- Information Technology Services
- Program Management
- GSA Facilities Maintenance and Operations
- Help Desk Services
- Systems Engineering
- Small-scale Production
- Contract Management
- Radio and Video Broadcasting Services
- Multi-classification contractor facilities
- Local community outreach
- Robust Internship programs
- Multi-location ops: Washington DC, Florida, Alabama, Texas, Maryland, Arkansas

KEY DISCRIMINATORS
- Organic teleport services
- 10 TB/s of bandwidth
- 70,000 ft.² of reconfigurable space
- Turn-key call and data center
- ISO 9001:2008 Compliant
- ISO 20000:2015 Compliant
- Multi-classification contractor facilities
- Local community outreach
- Robust Internship programs
- Multi-location ops: Washington DC, Florida, Alabama, Texas, Maryland, Arkansas

CERTIFICATIONS & AWARDS
- HUBZone Certified
- Service-Disabled Veteran-Owned Small Business
- Approved for DoD Mentor-Protégé
- Program
- 2015 Entrepreneur of the Year – Alabama State Black Chamber of Commerce

KEY CUSTOMERS
- NASA – Marshall Space Flight Center
- GSA – Facility Operations & Maintenance
- United States Department of Homeland Security
- PEO Missiles & Space
- PEO Intelligence, Electronics, Warfare, & Systems
- Anniston Army Depot

KEY PARTNERS
- Globecom
- VSAT Communications
- Teledyne Brown Engineering, Inc.
- Crestwood Technology Group
- The LIOCE Group
- BRM, LLC
- Pinnacle Security
- AALMARI, LLC

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ORGANIZATION BACKGROUND
Established in 1970 as a manufacturer’s representative. During the 80’s – developed into a full stocking global distributor of Mil-Spec product (90,000 square foot facility). Rapidly evolving into a logistics and supply chain specialist. Incorporated in Alabama with offices in Georgia, Texas, Tennessee, Florida, and Utah. Average employee has 9.2 years of experience.

KEY CAPABILITIES
• Mil-spec wire & cable products for use in aerospace & defense applications.
• Product solutions for medical, ship building, transit, & oil sectors, one-stop source for cable assembly manufacturers.
• Technologically advanced with current Business system & extensive network.
• VMI including JIT, Kan-Ban or In-House Store, POU replenishment from local warehouse.
• Wire Laser Marking, Striping, Twisting, Wire Cut-to-Length, Strip, Tinning
• Kitting, E-Commerce
• Solder-ability/ Strip-ability Pull Test, Hipot, and Spark Test/Laboratory Capabilities

KEY DISCRIMINATORS
• Full traceability back to the source
• Financially strong, ready for growth
• Continuous Improvement methodology and Root Cause Analysis
• Military and Aerospace market focus
• OEM and Subcontractor Confidence
• Big company structure and strength…Small company flexibility and dedication

CERTIFICATIONS & AWARDS
• AS9100 Rev C and ISO 9001
• Boeing Chairman’s Award and Silver Status
• Lockheed Martin Star Supplier Award
• L3 Outstanding Sustained Performance Award
• DRS Preferred Partner
• Raytheon Preferred Supplier
• U.S. Small Business Administration – Award for Excellence

KEY CUSTOMERS
• Aviall
• Boeing
• DRS
• General Dynamics

KEY PARTNERS
• 3M
• Belden
• Federal Mogul
• Harbour Industries
• Isodyne Inc
• Judd Wire Inc.
• Marmon/RSCC
• Nexans
• Specialty Cable Corporation
• Sumitomo
• Thermax
• TE Connectivity
• Zeus
• L3
• Safran/Labinal
• Lockheed Martin
• Northrop Grumman
• Raytheon
• SAIC
• Killdeer Mountain Manufacturing, Inc.
• DRS Preferred Partner
• Raytheon Preferred Supplier
• U.S. Small Business Administration – Award for Excellence

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ORGANIZATION BACKGROUND

T&W Operations, Inc. is a Service Disabled Veteran Owned Small Business SD/VOSB based in Huntsville, Alabama supporting customers in locations across the United States. We provide Logistics Tracking, Data Management, Supply Chain Management, Asset Visibility, Automated Logistics Systems, Information Technology Support Services, Software Customization, Information Assurance, Acquisition, Performance, Program & Project Management products and support services to government / commercial customers. T&W offers exceptional expertise in secure web-based Logistics Technology, System Integrity Verification, Middleware, Ifield Testing and Rapid Response Teams. We support several government and commercial agencies including the Special Operation Command (SOCOM) SOF-GLSS with Lockheed Martin, Aviation and Missile Command (AMCOM) PEO UAV with General Atomics, TACOM LCMC TS3-ERS/URS UGV-RLSC with AECOM / Qualis, NAVSEA / NAVEODTECHDIV with Three Saints Bay, Missile Defense Agency (MDA) Data Center with ASRC, AMCOM Software Engineering Directorate (SED) with SAIC and AMCOM Counter—Rocket Artillery Mortar — Project Office.

KEY CAPABILITIES

• Total Asset Visibility & Automated Logistics Information Services (ALIS)
• Information Assurance & Security Operations
• Program & Project Management
• IT Support Services & Systems Engineering
• Software Development & Systems Integration

CERTIFICATIONS

• Certified Information Systems Security Professional (CISSP)
• Information Systems Security Certification (ISC)²

KEY CUSTOMERS

• Missile Defense Agency
• Army Aviation & Missile Command
• Strategic Missile Defense Command
• Navy EOD Technical Division
• Air Force Research Laboratories
• Robotics Logistics Support Center
• Huntsville City Schools District
• PEO Aviation

KEY PARTNERS

• Booz Allen Hamilton
• Qualis
• COLSA
• BAE Systems
• MJLM
• SAIC
• nLogic
• Vencore
• Camber
• X Corp
• Calibre
• Avion
• SDI
• General Atomics
• SES-I
• LogiCore
• ASRC
• TTGI
• PD Systems
• SPS

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T&W OPERATIONS, INC.
Support Services

A Service Disabled Veteran Owned Small Business

40
VENTURI, LLC

Engineering & Logistics Support Services

ORGANIZATION BACKGROUND
Venturi, LLC is a Small Disadvantaged Business, wholly-owned by Chenega Corporation, an Alaskan Native Company, operating under the Military, Intelligence and Operations Support (MIOS) Strategic Business Unit. Based in Huntsville, Venturi maintains our commitment to delivering exceptional technical and programmatic support services to our government and commercial customers. Venturi attributes our corporate success to our focus on our customers and the mission. Venturi strives to be a model company for its employees, customers, partners and community.

KEY CAPABILITIES
• Test and Evaluation
• Range and Launch Operations
• Logistics
• Packaging, Handling, Storage & Transportation (PHS&T)
• Systems Engineering
• Cyber Security
• Software Engineering
• Hardware Development, Test and Integration
• Facilities Management, Master Planning and Programming
• Hypersonic Systems
• Commercial Logistics

KEY DISCRIMINATORS
• Missile Defense Systems, Targets and Interceptor Design, Integration and Test
• Acquisition and Sustainment Logistics
• CONUS and OCONUS PHS&T of Defense Assets & Ground Support Equipment
• Ordnance and HAZMAT Handling
• Range/Mission Ops for 100+ Defense Interceptor & Target Launches
• Development, Test and Integration of Military Command and Control and Mobile Situational Awareness Software and Hardware Solutions
• Hypersonic Systems Test and Evaluation

CERTIFICATIONS & AWARDS
• ISO 9001:2015 and ISO 14001:2015 Certifications
• Top 20 Best Small Businesses to Work for in Alabama
• Four-time winner of “Best Places to Work” in Huntsville, AL
• Huntsville/Madison Co. Chamber of Commerce Small Business Award Finalist
• Dunn and Bradstreet Open Ratings Certified Top 20% Supplier
• Two-time winner of Boeing Silver Performance Excellence Award
• SAIC Small Business of the Year

KEY CUSTOMERS
• Missile Defense Agency
• CCDEVCOM-AVM System Simulation and Software Integration (S3I) Directorate (formerly AMRDEC-SED)
• U.S. Army
• U.S. Navy
• U.S. Air Force
• National Aeronautics & Space Administration (NASA)
• Kodiak Launch Complex

KEY PARTNERS
• SAIC
• AECOM
• Parsons
• Booz Allen Hamilton
• Boeing
• Alaska Aerospace Corporation
• Avion
• MEI
• Torch Technologies
• Dynetics
• Tetra Tech

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ORGANIZATION BACKGROUND

I²C is a regional initiative that fosters, promotes, and accelerates commercialization of technology-based ventures through incubation, co-working, mentorship, funding, and strategic support. I²C combines three interconnected elements: shared workspace, co-working community, and collaborative co-creation. The center – located in a region with a robust R&D ecosystem ideal for tech focused companies – is open to anyone to learn about entrepreneurship, explore a technology-based venture, and be a part of the I²C entrepreneurial community.

KEY CAPABILITIES

- Lead and support regional entrepreneurial initiatives.
- Incubate early stage technology and innovation entrepreneurial ventures.
- Create physical infrastructure and support for business incubation.
- Facilitate networking with professional resources (mentors, experts, consultants, advisors, etc.).
- Establish connectivity with other entrepreneurial ecosystems – creating pathways to extended networks ultimately contributing to scalable and investable businesses.

KEY DISCRIMINATORS

- Supported and anchored by UAH, a premier research based, STEM focused university.
- Plug and play 45,000 ft² state of the art incubation, office, events and co-working spaces ideally suited for collaboration and innovation.
- Access to UAH’s capabilities in research, technology development, specialized facilities/labs, etc., and to facilitate corporate sponsorships/partnerships, student recruiting, and other strategic collaborations.

CERTIFICATIONS & AWARDS

- U.S. Economic Development Administration (EDA) Construction Award for the I²C building.
- EDA’s Regional Innovation Strategies (RIS) Program i6 award to establish Proof of Concept Ctr.

KEY CUSTOMERS

- Individuals with an idea
- Early stage startup
- Startups further along with their implementation, strategy, and execution of business model.
- Corporate teams from established company who want to conceive, foster, launch, and manage a new business distinct from the parent company.
- Local and regional FFRDCs, government labs, and R&D agencies looking to commercialize their IP portfolio who want an “external” showcase to promote their commercializable assets.

KEY PARTNERS

- Local, regional, and national govt. agencies supporting small business (EDA, SBA, SBDC etc.).
- Organizations supporting entrepreneurship and new venture creation.
- National funding agencies including NSF, DARPA, NIST etc.
- Investors (angels, venture capital firms, venture accelerators and other related funding partners).
- Service providers (banks, accounting firms, law firms etc.)

CONTACTS/ADDRESS DETAILS

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256.824.6058
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www.uah.edu/i2c
**ORGANIZATION BACKGROUND**

The University of Alabama in Huntsville is a comprehensive Ph.D.-granting university ranked among the top public research universities in the nation by the Carnegie Foundation for the Advancement of Teaching. UAH has five research programs ranked in the top 25 in the nation. The campus graduates approximately 1,500 students annually with two-thirds earning degrees in engineering, science and business. UAH is in close proximity to NASA and the U.S. Army’s Redstone Arsenal, and collaborates closely with industry in its role as anchor tenant for Cummings Research Park.

**KEY CAPABILITIES**

- Advanced Manufacturing
- Aerospace & Systems Engineering
- Atmospheric Science
- Biotechnology and Genomics
- Computer Science
- Cyber Security
- Data Mining, Data Visualization, Data Archiving
- Electrical & Computer Engineering
- Hypervelocity Flight & Impact
- Logistics, Supply Chain
- Materials Science
- Modeling & Simulation
- Nano & Micro Devices
- Optical System Design, Fabrication & Testing
- Propulsion
- Reliability & Failure Analysis
- Robotics & Unmanned Systems
- Rotorcraft
- Space Science & Space Weather

**KEY DISCRIMINATORS**

- Robust education at the undergraduate & graduate level
- Business Incubation for High-tech Start-up Companies
- Nationally ranked Federally-Financed R&D Expenditure Rankings (FY16 NSF Survey Data):
  - 5th in Aeronautical/Astronautical Engineering
  - 10th in Computer Sciences
  - 13th in Atmospheric Sciences
  - 20th in Astronomy
  - 18th in Business and Management

**CERTIFICATIONS & AWARDS**

- Cogswell Outstanding Industrial Security Achievement Award - Defense Security Service
- National Center of Excellence in Cyber Defense - Research
- National Center of Academic Excellence in Information Assurance Education

**KEY CUSTOMERS**

- U.S. Army Aviation and Missile Command (AMCOM)
- U.S. Army Space & Missile Defense Command (SMDC)
- U.S. Army Aviation and Missile Research, Development and Engineering Center (AMRDEC)
- Defense Intelligence Agency – Missile & Space Intelligence Center
- DOD Missile Defense Agency
- NASA
- National Science Foundation
- NOAA/National Weather Service
- U.S. Department of Energy

- Jacobs Engineering
- Lockheed Martin
- NASA’s Marshall Space Flight Center
- National Weather Service
- Northern Gulf Institute
- Oak Ridge National Laboratory
- Raytheon
- SAIC
- Teledyne Brown Engineering
- Various Academic Partners

**KEY PARTNERS**

- Aerojet Rocketdyne
- Baron Services
- Boeing
- CFD Research Corporation
- Colsa
- Davidson Technologies
- Dynetics
- German Aerospace Center (DLR)
- Harvard/SAO
- Hudson Alpha Inst for Biotechnology

**CONTACTS/ADDRESS DETAILS**

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The Rotorcraft Systems Engineering and Simulation Center (RSESC) is a multifaceted research center focused on applied engineering and systems engineering techniques to enhance success for government and industry rotorcraft partners. RSESC brings proven, unparalleled capabilities in systems engineering, design and system analysis, rapid prototyping, integration and fabrication. RSESC personnel have proven experience with retrofits, upgrades, reverse engineering and miniaturizations to improve systems to meet emerging requirements, address obsolescence or save on overall lifecycle costs.

### Key Capabilities
- Model Based Engineering
- Materials Research & Development
- Product Development & Optimization
- Propulsion Design
- Space Mission Analysis, Design & Fabrication
- Statistical Analysis/Design Analysis
- Systems & Payloads Safety Analysis
- Systems Engineering
- Destructive & Non-Destructive Testing & Evaluation
- Electrical Design
- Fabrication, Assembly & Integration
- Fatigue & Fracture Analysis
- Flight Qualification & Acceptance Testing & Payload Development
- Mechanical Design
- Rapid Prototype Development
- Reliability, Availability & Maintainability Analysis
- Structural/Dynamics/Thermal Analysis

### Key Discriminators
- UAH Business Incubation for High-tech Start-up Companies
- UAH is Nationally ranked Federally-Financed R&D Expenditure Rankings (FY15 NSF Survey Data):
- 6th in Aeronautical/Astronautical Engineering

### Certifications & Awards
- Cogswell Outstanding Industrial Security Achievement Award - Defense Security Service
- Object Modeling Group certified Model Based Systems Engineering modelers using formal methods
- Core Member of the FAA UAS Center of Excellence (ASSURE)
- Core Member of the Systems Engineering Research Ctr. (SERC)
- Aerospace certified wire harness technicians, machinists and structural analysis personnel

### Key Customers
- U.S. Army Aviation and Missile Command (AMCOM)
- U.S. Army Aviation and Missile Research, Development and Engineering Center (AMRDEC)
- NASA
- Federal Aviation Administration

### Key Partners
- Achieving System Safety of UAS through Research Excellence (ASSURE)
- Boeing
- Steven’s Institute of Technology
- Jacobs Engineering
- Lockheed Martin
- Office of the Secretary of Defense
- Program Executive Office – Aviation
- Mississippi State University
- NASA’s Marshall Space Flight Center
- National Institute for Aviation Research at Wichita State University
- Raytheon
- SAIC
- Teledyne Brown Engineering
- Vertical Lift Consortium (VLC)

### Contacts/Address Details
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ORGANIZATION BACKGROUND
The North Alabama International Trade Association (NAITA) is a business-driven non-profit membership organization committed to increasing knowledge, interest, and activity in international trade in North Alabama. NAITA’s mission is to provide international trade advocacy, training, and networking to promote economic growth in North Alabama. Foreign sales generate revenue for companies and jobs for the surrounding region. Ninety-six percent of the world’s population lives outside the U.S. – that equates to more than six billion consumers. NAITA and its trade development partners assist companies in reaching those potential customers.

NAITA began in 1983 and is celebrating its 35th anniversary in 2018. The trade association is managed by and partners with the Madison County Commission International Trade Development Center. NAITA serves as a regional export promotion organization, providing resources to prepare North Alabama business for prosperity in the global marketplace.

KEY DISCRIMINATORS
• Business-driven non-profit membership organization providing education and outreach, and advocacy on behalf of North Alabama for 35 years
• International business networking forum
• Export control & compliance training (ITAR & EAR)
• Business facilitation with global trade partners

CERTIFICATIONS & AWARDS
• 2018 Recipient of the Governor of Alabama’s Trade Excellence Award
• 1st Annual Economic Development Export Trade Silver Award from the International Economic Development Council
• Certificate of Appreciation for Achievement in Trade from U.S. Department of Commerce presented by U.S. Congressman Robert Aderholt

MEMBERS
• More than 500 members representing over 150 manufacturers, service providers, and economic development organizations
• International Trade Support Firms – Freight forwarders, bankers, legal services, export compliance organizations
• International business strategy guided by board members representing firms such as PPG Aerospace-Transparencies, Hexagon, Baron Weather, Panalpina, and the Port of Huntsville

KEY PARTNERS
• U.S. Department of Commerce
• U.S. Chamber of Commerce
• Alabama Department of Commerce/Export Alabama Alliance
• Madison County Commission
• Huntsville/Madison County Chamber
• Alabama International Trade Center

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NAITA
P.O. Box 2457
Huntsville, AL 35804

www.naita.org
Space & Missile Defense...Sharpening the Competitive Edge

The 23rd annual meeting of the Space & Missile Defense Symposium will be conducted in Huntsville, Alabama on 4-6 August 2020. The SMD Symposium is the leading educational, professional development and networking event in the space and missile defense community. They symposium is widely attended by leaders and professionals from the United States and our allies around the world. Please visit www.smdsymposium.org for the latest comprehensive symposium information. Display space is still available. This symposium provides a unique opportunity for international visitors to interface with their U.S. counterparts.

EXPECTED VIPS
- U.S. Senators Shelby & Jones
- U.S. Congressmen Aderholt & Brooks
- Governor Ivey, State of Alabama
- Dr. Michael D. Griffin, Under Secretary of Defense for Research and Engineering
- LTG Charles Hooper, Director of the Defense Security Cooperation Agency
- LTG Samuel Greaves, Director MDA

KEY DISCRIMINATORS
- The leading education, professional development and networking event in the space and missile defense community.
- "The Symposium offers an agenda designed to encourage information exchange between government, military, international partners, and industry leaders in an effort to synchronize developmental priorities and provide both US Forces and our Partners with advanced capabilities for the 21st Century."
  - Kevin Campbell, LTG USA (Ret), VP/Corp. Lead Executive Northrop Grumman

SMD SYMPOSIUM SPONSORS
- Army Air Defense Artillery Association
- National Defense Industrial Association
- Air, Space & Missile Defense Association

KEY EXHIBITORS & ATTENDEES
- Government & Industry Executives
- Engineers & logisticians involved in development of operational requirements, design, development, production, operations and support of space, air and missile defense systems and supporting operations.
- Contractors providing space, air & missile defense hardware/software products & technical assistance.

PAST SYMPOSIUM HIGHLIGHTS
- U.S. Role in Global Space & Missile Defense
  – Hon Ellen Tausher, Under Secretary of State (AC/IS)
- Asia-Pacific Rebalance – participants from MDA, SMDC, Japan, Korea, and Australia
- Missile Defense Operations – panel including J3 STRATCOM, NATO, SE Asia, MDA, SMDC, DASD-Nuclear & Missile Policy

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Ms. Henrietta King
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Space & Missile Defense Symposium
www.smdsymposium.org
The North Alabama International Trade Association (NAITA) appreciates the support of the Port of Huntsville

www.hsvairport.org