



## FEBRUARY 2020 | NAMC MEMBER SPOTLIGHT

ARCHITECTURE, SECURITY & MODULARITY  
AUTONOMY  
COLLABORATION  
EXTERNAL SYSTEMS  
FUELS & LUBES  
MOBILITY  
MODELING & SIMULATION  
PETROLEUM & WATER SYSTEMS  
PLATFORMS  
POWERTRAIN  
SURVIVABILITY  
TEST & EVALUATION

Federal IT Consulting, LLC.  
Citadel Defense Company  
Womack Machine Supply Co.  
Sonalysts, Inc.  
University of Dayton Research Institute  
THK Rhythm Automotive Michigan Corporation  
FAAC Incorporated  
West-Mark  
Mack Defense, LLC.  
Elroy Air  
Point Blank Enterprises  
Piasecki Aircraft Corporation

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NAMC will not alter submitted content.  
Please make sure all information is correct and signed off on by your organization.



## ARCHITECTURE, SECURITY, AND MODULARITY



**FEDERAL IT CONSULTING, LLC. (FEDITC) | San Antonio, TX**

**POC:** Richard Popovich | [rpopovic@feditc.com](mailto:rpopovic@feditc.com) | [www.feditc.com](http://www.feditc.com) |



### **What are your organizational goals?**

FEDITC is a provider of cybersecurity and information assurance for the United States Government. We support the Secretary of Defense (SECDEF) at the Pentagon and US Army Reserve Command (USARC) G-6 HQ at Fort Bragg. We provide cybersecurity, risk assessments, and continuous monitoring for the protection of systems, networks, and data from network penetration, cyber-attacks, insider threats, vandalism, and accidental damage in both times of war and peacetime. We support the unique classified mission for the Department of Defense Executive leadership. Our support includes Defense in Depth; Emerging Threat Analysis; Physical and Mobile Sensitive Compartmented Information Facilities (SCIF) management located at the Pentagon, private residences, limousines, and specialized Executive aircraft.

### **What is something unique about your product or service?**

FEDITC capability provides unique high level Cyber capabilities to the DOD. Provide Cybersecurity and Information Assurance for SECDEF, USARC, USTRANSCOM. Provide Physical and Traditional Security for SECDEF. ACAS, eMASS, HBSS, VMS/CMRS and DOD RMF support for SECDEF and USARC. CMMI Level 3 Certified Process Improvement Company. Worldwide leader in the Installation of Command and Control Facilities. Worldwide leader in Energy Management; Global support of US Air Force Bases.

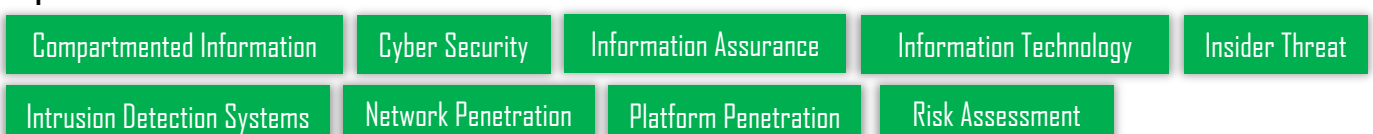
### **What do you consider your organization's differentiator?**

Full Spectrum System, Network & platform Cyber Security Provider:

- Information Security
- Network Security
- Federal/State Compliance
- Software Security
- User Access Security
- Cyber Network Defense
- Cybersecurity
- FISMA/DOD RMF
- ACAS/CMRS/HBSS/eMASS

Our FEDITC Subject Matter Experts possess in-depth backgrounds in cyber exploitation lifecycle; information management; database security and administration; executive support services; configuration management; patch management of security patches and release management.

### **Capabilities:**





## AUTONOMY

**CITADEL DEFENSE COMPANY | San Diego, CA**

**POC:** Christopher Williams | [cwilliams@dronecitadel.com](mailto:cwilliams@dronecitadel.com) | <https://dronecitadel.com/> | 

### **What do you consider your organization's differentiator?**

Our customers want a counter drone solution that keeps them safe, is easy to use, requires no signal expertise to operate, and can be autonomously operated so they can focus on their mission without distraction and not be concerned about constant addition of new threats that plague library-based, short-range, or signal-hacking CUAS systems.

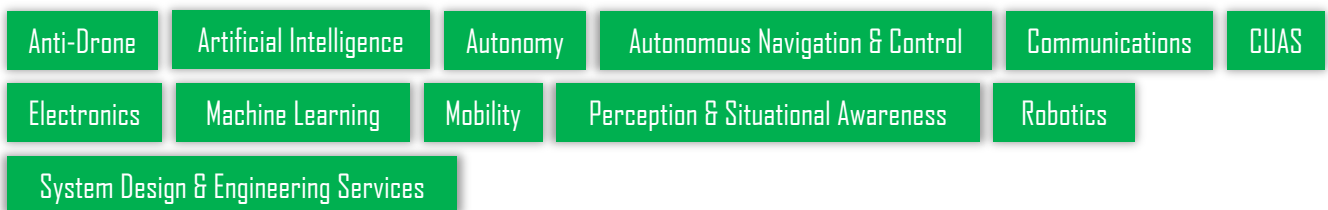
### **What is something unique about your product or service?**

Citadel's Titan counter drone system uses artificial intelligence and machine learning to autonomously detect, identify, and defeat drone threats and swarms.

### **What are your teaming goals within NAMC?**

Citadel Defense looks to team with other innovative and industry-leading technology companies that aim to deliver user-centric solutions that advantage warfighters, operators, and the increasingly complicated National Security needs.

### **Capabilities:**





## COLLABORATION



### WOMACK MACHINE SUPPLY CO. | Farmers Branch, TX

**POC:** Robert Ramsey | [rramsey@womackmachine.com](mailto:rramsey@womackmachine.com) | [www.womackmachine.com](http://www.womackmachine.com) | 

#### What capability gaps are you able to fill and which industry colleagues would you like to know about them?

Womack Machine Supply Co. can engineer or repair most hydraulic/fluid power, electric drive, motion control, filtration, or test set system or subsystem that meets your specifications. Our systems group can custom design systems to control motion, provide ground power, test a component or system hydraulics, or provide an overhaul design of an OEM design to make it more reliable updating the controls and functions. We can also provide components from major manufacturers we represent in our designated areas.

#### What do you want other NAMC Members to know about you?

Womack Machine Supply Co. stood up a defense business division on October 1st, 2019. We are actively looking to become an integrated supplier or designer for defense manufacturers. We are open to collaboration on projects that may be too large for us to handle alone and we are looking for opportunities to collaborate with other NAMC members to ultimately gain business in the DOD marketplace. We are always open to other members touring our facilities to better understand our capabilities.

#### What are your teaming goals within NAMC?

Womack Machine Supply Co. would like to team up with other members of NAMC to become a supplier and repairer of hydraulic components supporting depot level maintenance or military installation maintenance on DOD systems of record. Second to that goal but no less important, we would like to design a subsystem or system retrofitting the hydraulics or electric drive components on these vehicles. If you are proposing a design that includes electric drives, motion control, or hydraulic powered components we would like to collaborate with you. All systems we design come with a complete technical data package designed for you.

#### Capabilities:

- Accumulator
- Actuator
- Automation
- Cartridge
- Display
- Electric Drive
- Electric Panel
- Engineering
- Filtration
- Gas Booster
- Ground Power Unit
- HMI
- Hydraulic
- Hydrostatic
- Linear Drive
- Manifold
- Motor
- Motion Control
- Piston
- Pneumatic
- Power Unit
- Pump
- Robotics
- Sensors
- Servo
- System
- Valve Cylinder



## EXTERNAL SYSTEMS

## SONALYSTS

**SONALYSTS, INC.** | Waterford, CT

**POC:** Michael Fortier | [mfortier@sonalysts.com](mailto:mfortier@sonalysts.com) | <http://www.sonalysts.com/> |



### **What is something unique about your product or service?**

One of our services provides a link between the operator using an external system and the engineer designing the system. During development, it is common for operators, engineers, and program managers to speak different “languages.” When system-of-systems development such as integration of an external system occurs, the development often becomes more complicated as the acquisition and expertise stovepipes within the engineering and program manager communities create development seams. Sonalysts brings all sides together to create a common vision for the employment of external systems. Unique to Sonalysts’ service is that the process does not stop at a common vision (or a wall of brainstorming Post It notes). We provide engineering services that turn the vision into requirements including analysis, modeling and simulation, prototyping, and test case development. Sonalysts brings operators, engineers, and program managers together to resolve design decisions and difficult problems through structured, facilitated meetings. This process helps avoid the pitfall of developing a product that meets requirements but falls short of the operator’s needs. This process has helped solve problems in electro-optical sensor systems, employment of payloads, development of sensor training, and employment tactics.

### **What capability gaps are you able to fill and which industry colleagues would you like to know about them?**

For projects needing classified development, Sonalysts has several unique capabilities and resources. These include space for:

- Large innovation activities or facilitated meetings held at a classified level up to Top Secret/Sensitive Compartmented Information (TS/SCI) SAP.
- Human systems integration and trained facilitators with security clearances.
- Classified observation, recording, and evaluation of operator performance capability for projects.
- Development of targeted training including web-based and multi-media training, and integration of training into learning management systems for both classified and unclassified systems.
- A 15,000 square foot stage that can be used for execution of classified projects.

### **How did your organization originate?**

Sonalysts was established in 1973 by Mr. Dave Hinkle, who was retired from the navy and completing his law degree, and his wife Muriel as a small business providing acoustic analytical support to the Naval Undersea Warfare Center (NUWC). In order to support others transitioning from military service, Sonalysts evolved into an employee-owned consulting firm built of “partners” who work both independently and collaboratively to address customer needs.

### **Capabilities:**

Communications	Electronics	Energy	Human Machine Teaming	Human Systems Integration	Life Cycle Management
Manipulation	Modeling & Simulation	Open Architecture and Standards Development		Operational Analysis	
Payloads Integration	Safety & Testing	Sensors	System Design & Engineering Services		Validation & Verification
Vehicle & Platform System Integration					



## FUELS & LUBES



**UNIVERSITY OF DAYTON RESEARCH INSTITUTE | Dayton, OH**

**POC:** David Koukol | [david.koukol@udri.udayton.edu](mailto:david.koukol@udri.udayton.edu) |

[https://udayton.edu/udri/capabilities/energy\\_and\\_power/index.php](https://udayton.edu/udri/capabilities/energy_and_power/index.php) |  

### **What is something unique about your product or service?**

UDRI's Power and Energy Division offers a novel approach to removing sulfur from JP-8 and Diesel fuels to less than 1 part per million, ideal for fuel cell use, in a self-contained and mobile system suitable for deployment with ground combat and logistics elements.

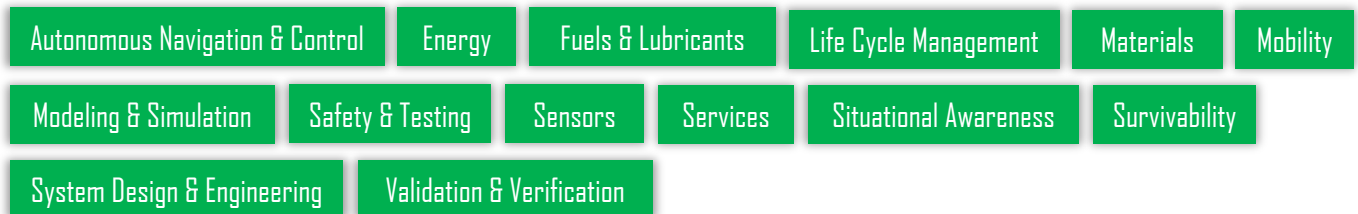
### **What do you consider your organization's differentiator?**

We are an independent not-for-profit that seeks to find the best solutions for its clients - regardless of manufacturer or pedigree, and have been successful in this space for over 60 years with over \$2.5Bn of contract awards.

### **Which Government Customer would you like to pitch your organization to?**

Army Futures Command

### **Capabilities:**





## MOBILITY



### THK RHYTHM AUTOMOTIVE MICHIGAN CORPORATION | Portland, MI

**POC:** Pam Hill | [Pam.hill@trmi.thk.com](mailto:Pam.hill@trmi.thk.com) | <https://www.thk-rhythm-auto.com/na> |  

#### What are your organizational goals?

THK Portland goals are to establish and maintain mutually beneficial relationships with internal and external customers by offering value through technological advantages. We also strive to deliver information and products accurately and timely while increasing sales and profitability for the facility.

#### What are you most proud of?

The THK Rhythm Automotive Michigan Facility has over 65 years of experience engineering and manufacturing steering and suspension linkage for the commercial steering market globally. We offer full product, and material engineering and validation onsite. We have received numerous customer awards for exceptional quality and performance.

#### How did your organization originate?

1901 Charles E. Thompson joined the Cleveland Cap Screw Company. In 1926 Thompson Products becomes a leader in valves and steering components. 1935 Thompson Products acquires the linkage manufacturer Toledo Steel Products Company. 1953 Thompson Products purchases manufacturing facility in Portland, Michigan.

#### Capabilities:

Global

Mobility

Supplier

Steering and Suspension

System Design and Engineering Services



## MODELING & SIMULATION



**FAAC INCORPORATED** | Ann Arbor, MI

**POC:** Chris de Graff | [Christian.deGraff@faac.com](mailto:Christian.deGraff@faac.com) | [www.faac.com](http://www.faac.com) |



### What are your organizational goals?

Organizationally, we strive to provide a best-in-class experience for our employees that translates into a committed and dedicated workforce. As a leader in the simulation industry, we are forward-looking, trying to fill capability gaps with our technology and anticipating where gaps will be created as technology progresses. We are continually evaluating the industry, connecting with customers, and listening to feedback as we strive to add value to the distinct modeling and simulation markets we serve.

### What is something unique about your product or service?

We provide the hardware, software, and expertise needed to assist companies and institutions in developing training programs and research methods. Our technologies are used in many contexts from academics and automotive research to military applications.

### What do you consider your organization's differentiator?

FAAC's collection of unique divisions serve the modeling and simulation space in distinct capacities.

FAAC's Military Operations Division provides high-speed, validated weapon simulations for USN/USAF training range Air Combat Maneuvering Instrumentation (ACMI) systems and embedded pilot decision aids. Simulations capabilities include: no-drop bomb and gunnery, aerial refueling, driver and route clearance training,

FAAC's Commercial Division focuses on simulation training for Fire, EMS, Police, Public Safety, Transit, Bus, and Rail professionals. FAAC simulators and courseware provide a high fidelity approach to training resulting in context-focused student learning.

FAAC's MILD Range sets the international standard for interactive use of force, tactical judgment training, and firearms training systems. MILD Range is the leading simulation provider for government, military, law enforcement, and police agencies worldwide.

FAAC's Realtime Technologies (RTI) division, launched by its industry-leading software, SimCreator, has steadily constructed a software suite for its simulators like nothing else currently offered on the market. The vision for a real-time simulation and modeling system ultimately led to the development of a software lineup that now includes over ten supporting programs.

### Capabilities:

- Air Warfare Simulation
- Engineering Services
- Hardware Integration
- MILD Range
- Modeling
- Operator Driving Simulators
- Research Driving Simulators
- Simulation
- Software Engineering
- Support After Sale
- System Design
- Systems Integration and Test
- Virtual Clearance Training
- Weapon & Vehicle Dynamics Modeling





## PETROLEUM AND WATER SYSTEMS



**WEST – MARK** | Ceres, CA

**POC:** Chris Portmann | [cportmann@west-mark.com](mailto:cportmann@west-mark.com) | [www.westmarkdefense.com](http://www.westmarkdefense.com) or [www.west-mark.com](http://www.west-mark.com) |

### **What is something unique about your product or service?**

West-Mark is the Nations light weight leader in Liquid Bulk Transportation, and has over 40 years of experience manufacturing equipment for Austere climates like Alaska and Iraq.

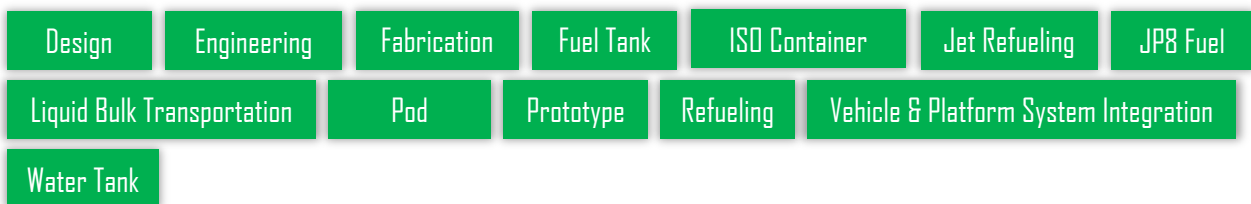
### **Which Government Customer would you like to pitch your organization to?**

West-Mark always looks forward to time we can spend with the teams at PAWS and GVSC getting to know the Program Managers and Supervisors of the Teams.

### **How did your organization originate?**

West-Mark began with a vision of three friends (A tank salesman, a chicken farmer and a welder), that felt they could make a mark in the west building specialty tanks suited for the West Coast. Since our humble beginnings over 50 years ago we have grown to employ over 250 people and have facilities from Alaska to Southern California.

### **Capabilities:**





## PLATFORMS

### MACK DEFENSE, LLC. | Allentown, PA

**POC:** Robert Gordon | [Robert.Gordon@mackdefense.com](mailto:Robert.Gordon@mackdefense.com) | <https://www.mackdefense.com/> |



#### What is something unique about your product or service?

Mack Defense, a wholly-owned subsidiary of Mack Trucks, is responsible for the sale of heavy duty trucks to federal and ministerial level customers globally. Mack Defense, LLC, is part of the Volvo Group, one of the world's leading manufacturers of trucks, buses, construction equipment and marine and industrial engines. Dedicated to durability, reliability and meeting the needs of customers, Mack Trucks has provided purpose-built transportation solutions for more than a century. Today, Mack is one of North America's largest producers of heavy-duty trucks, and Mack® trucks are sold and serviced through an extensive distribution network in more than 45 countries. Mack trucks, diesel engines and transmissions sold in North America are assembled in the United States.

#### What are you most proud of?

Mack Defense is extremely proud to support the U.S. armed forces and it's international partners.

#### How did your organization originate?

In 2012, Mack Defense LLC was established as part of the Volvo Group Governmental Sales entity. Beginning then, Mack Defense actively leveraged defense-suited products of other Volvo Group companies. This enabled the company to sell examples of Renault's Sherpa Light (4 × 4) and Lakota/VAB Mk3 (6 × 6), ACMAT's Bastion (4 × 4), and a selection of Volvo Construction Equipment.

In 2015, Mack Defense was awarded the Standard Military Pattern (SMP) segment of the Canadian Army's long running Medium Support Vehicle System (MSVS) requirement. MSVS will replace the Medium Logistics Vehicle Wheeled (MLVW) and to meet the SMP segment Mack are currently delivering in excess of 1,500 trucks in five variants: Load Handling System, Mobile Repair Team, Cargo, Cargo with Crane, and Gun Tractor. The actual trucks are a localized version of Renault's Kerax.

In 2018, the Volvo Group restructured its core defense offerings into a separate entity, Arquus. As part of that restructure, the current Mack Defense LLC was established in January 2018 as a wholly owned subsidiary of Mack Trucks.

The first major contract for the new Mack Defense was the award of the U.S. Army's M917A3 Heavy Dump Truck (HDT) requirement in May 2018. A key differentiator between the commercial Granite offering and the HDT is the latter requiring a force protection capability. The HDT contract is a USD296.4 million seven-year indefinite delivery, indefinite quantity award with five base years and two option years that calls for a maximum of 683 HDTs.

#### Capabilities:

Heavy Duty Trucks

Life Cycle Management

Mobility

Powertrain

System Design and Engineering Services

Vehicle & Platform System Integration



## POWERTRAIN



**ELROY AIR, INC.** | San Francisco, CA

**POC:** David Merrill | [gov@elroyair.com](mailto:gov@elroyair.com) | <https://www.elroyair.com> |  

**What is something unique about your product or service?**

Elroy Air's autonomous VTOL cargo aircraft - the Chaparral - carries modular cargo pods from A to B (300 lbs. payload, 300 mi) without needing operators to load or unload.

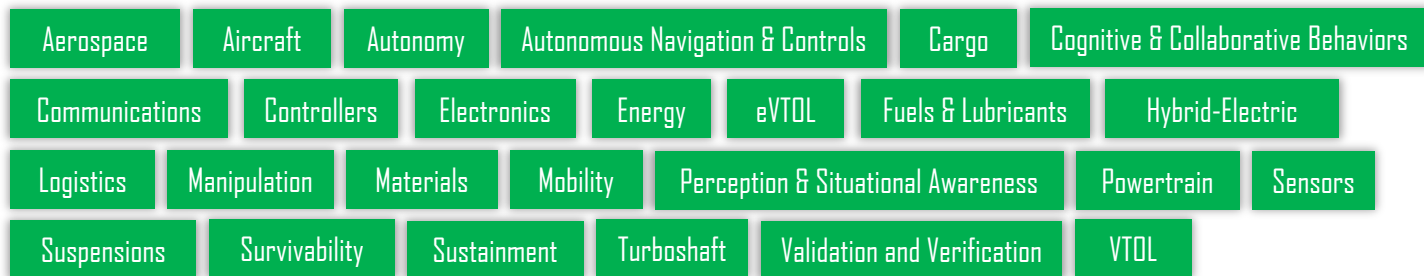
**What do you consider your organization's differentiator?**

Elroy Air's autonomous VTOL cargo aircraft - the Chaparral - is optimized for medium-payload and long-range operations, making it unique in the field of cargo drones.

**What capability gaps are you able to fill and which industry colleagues would you like to know about them?**

Responsive aerial resupply for sustainment of expeditionary teams in austere environments, as well as flexible ISR, EW and other customizable payloads.

**Capabilities:**





## SURVIVABILITY

**POINT BLANK ENTERPRISES, INC.** | Pompano Beach, FL

**POC:** Paul Palmer | [ppalmer@pbearmor.com](mailto:ppalmer@pbearmor.com) | [www.pointblankenterprises.com](http://www.pointblankenterprises.com) |

**What capability gaps are you able to fill and which industry colleagues would you like to know about them?**

Capability Gaps: Engineered, high-performance, lightweight, transparent and opaque armor solutions for ballistic, fragmentation and blast threat protection.

**What do you want other NAMC Members to know about you?**

Member awareness: Point Blank delivers engineered, modeled, tested, qualified, threat protection and light-weighting for combat and tactical ground vehicles.

**What are you most proud of?**

Honored to serve the US DOD as the largest supplier of Body Armor for over 50 years.

**Capabilities:**





## TEST & EVALUATION

**PIASECKI AIRCRAFT CORPORATION** | Essington, PA

**POC:** Robert Torgerson | [torgerson\\_robert@piasecki.com](mailto:torgerson_robert@piasecki.com) | [www.piasecki.com](http://www.piasecki.com) |

**What are your organizational goals?**

To develop advanced, cutting edge technology for aerospace and defense customers globally.

**What do you consider your organization's differentiator?**

A wide range of technical and manufacturing skills that are applied to designing, developing and testing unique products that are new but offer differentiating capability.

**What are you most proud of?**

The ability to envision future products and then design, develop and test them which then provide service and capabilities others may not see.

**Capabilities:**

- Aerospace Research & Development
- Autonomous Navigation & Controls
- Energy
- Human Machine Teaming
- Materials
- Modeling & Simulation
- Payloads Integration
- Perception & Situational Awareness
- Powertrain
- Safety & Testing
- Survivability
- Validation & Verification
- Vehicle & Platform System Integration