



# **FY24 Annual Report**

# ABOUT NAMC

The National Advanced Mobility Consortium, Inc. (NAMC) is a 501(c)(3) Non-Profit Corporation that is comprised of US innovators dedicated to the development of ground manned and unmanned autonomy-enabled military technologies for the US Warfighter.

The Board of Directors is elected from within the membership of the consortium and give the non-profit strategic oversight.

This annual report showcases the organization's initiatives and outcomes for 2024, comparing projected goals with actual results, while summarizing key activities throughout the year.



WELCOME TO THE FOREFRONT

“

**Traci Webb**

**Board Member**

Serving alongside this dynamic team has been one of the greatest honors of my career. National Advanced Mobility Consortium (NAMC) - you do great work on behalf of Warfighters and your members, and I am honored to be a part of it.

”

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# DEAR MEMBERS, CUSTOMERS, AND PARTNERS,

As we reflect on the achievements and advancements over the past fiscal year, I am pleased to present NAMC's FY24 Annual Report. This year has been extraordinary, filled with significant milestones and collaborative successes that have reinforced our dedication to innovation in advanced mobility for our military.

With **37 new projects successfully competed** exclusively through our consortium and **\$140 million awarded in prototype funding**, we continue to lead the way in groundbreaking advancements that directly benefit the US Warfighter. Our rich membership and strategic approach to integrating innovative solutions has led to **73% of the awarded funding reaching Non-Traditional Defense Contractors (NDCs)**, marking a commendable increase of 14% from FY23.

Our membership continues to grow robustly, with **110 new members joining us in FY24**, including three esteemed academic institutions: Lawrence Technological University, Wichita State, and the Institute for

Human & Machine Cognition (IHMC). These additions expand our collaborative network, encouraging a rich exchange of ideas and fostering a culture of continuous learning and innovation.

**Our membership now spans 42 states**, including Hawaii, underscoring the nationwide reach and influence of NAMC. The strategic oversight provided by our Board of Directors—composed of leaders **elected from within our membership**—has been invaluable. Their dedication ensures our continued alignment with the evolving needs of our stakeholders and the dynamic landscape of defense technology.

This fiscal year also welcomed **six new staff members**, each bringing their unique expertise to further our mission. I extend my deepest gratitude to our team, members and customers for your unwavering support and collaboration. Together, we will continue to drive innovation, advance our mission, and make significant contributions to the defense community.

Sincerely,



Alissa Roath  
CEO

# MEET THE TEAM

★ Joined NAMC in 2024



Alissa Roath



Warren Sponsler



Ashley Snider



★ William Wade



Matthew Foglesong



Lindsay Bayles



Dean Wurzell



Jessica Sierakowski



★ Lia Lipar



★ Travis Novak



Deena McIntosh



★ Danita King



AnnMarie Henderson



Alton Munger



Ellie Karaki



★ Veronica Baginski



★ Casey Calvo



MaRisa Roberson



Tressure Trumbull

# BOARD OF DIRECTORS

## CHAIRMAN

### David Dunn

Director, Innovation, Initiatives, and Collaboration  
University of Dayton Research Institute

## VICE CHAIRMAN

### Sean Baity

Technical Director, Growth & Innovation  
Textron Systems Corporation

## AUDIT COMMITTEE CHAIR

### Bill Ross

Senior Mobility Engineer  
Nevada Automotive Test Center (NATC)

## NOMINATING COMMITTEE CHAIR

### Traci Webb

Director of Business Development & Marketing  
GS Engineering, Inc.

## PAST CHAIRMAN OF THE BOARD

### David Miller

Director, Capture - Combat Vehicles  
BAE Systems Platforms & Services

### Patricia Sellers

Director, Business Development  
Integrated Energy & Propulsion  
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### James Schirmer

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American Rheinmetall Vehicles

### Kurt Bruck

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Neya Systems Division  
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### Jason Toepfer

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### Mike Bolon

President  
MD & B Enterprises

### Rich Wronski

Vice President  
Charles River Analytics Inc.

### Jay Miseli

Senior VP,  
Business Development  
Hiller Measurements

### Mark Gordon

President and CEO  
Stratom

# ADVISORY COMMITTEE

### Arlissa Vaughn

### Jeffrey Washington

### Dr. Jen Hitchcock, SES Retired

### Michael Robbins

### Jeff Langhout, SES Retired

### Ryan Edwards

Since NAMC is Member-led, most of our Board of Directors are elected from within our Membership. Board terms last for three years and are broken up into three separate classes of Directors to ensure continuity.

#### The BoD follows this annual business cycle:

- October: New Board Onboarding and Training
- February: Strategic Goals and Objectives
- April: Mid-Year Budget Reforecast and Financials
- June: Board Self-Evaluation and Nominations
- August: Annual Budget Development and Board Elections
- September: BoD Vote on FY Budget and Operating Plan

**6** new  
NAMC  
staff members  
onboarded

**\$140M**  
prototype  
funding awarded

**37** projects  
competed  
only through NAMC

581 projects  
since 2008

## NAMC BY THE NUMBERS

**73%** of funding went to  
Non-Traditional Defense  
Contractors (NDCs), up  
14% from FY23

**2 in 3**  
members are  
small businesses

members  
can be  
found in **42**  
states

**524**  
members  
nationwide

Added  
Hawaii  
in FY24



# MEMBERSHIP OUTLOOK

NAMC added **110 new Members in FY24** , including 3 academic institutions: Lawrence Technological University, Wichita State University, and The Institute for Human & Machine Cognition (IHMC)

## Recognizing our Original Members

The following organizations have been Members since NAMC was founded in 2008:

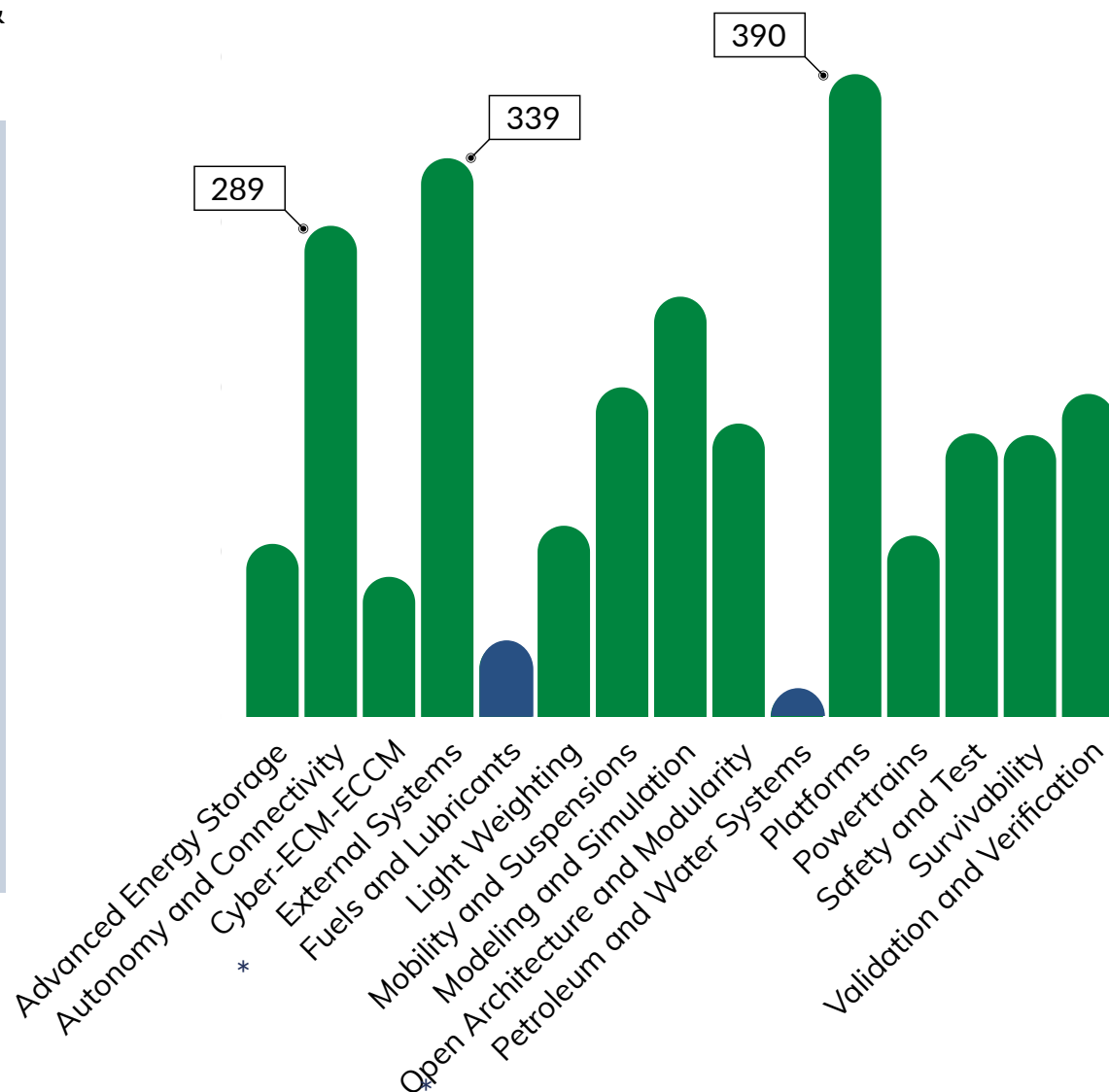
BAE Systems	Sterling Heights, MI
Carnegie Mellon University	Pittsburgh, PA
DTC	Hemdon, VA
Forterra (RRAI)	Clarksburg, MD
L3 Harris Technologies	Palm Bay, FL
Lockheed Martin	Littleton, CO
QinetiQ North America	Waltham, MA
Raytheon Co.	Waltham, MA
Recon Robotics, Inc.	Edina, MN
Silvus Technologies, Inc.	Los Angeles, CA
Southwest Research Institute	San Antonio, TX
Stratom, Inc.	Louisville, CO
The Pennsylvania State University	State College, PA

“ [We] have worked with NAMC for a long time, starting with the Robotics Consortium, and then moving to NAMC when they broadened their scope. While we were aware of them, we never experienced the full scope of what NAMC has to offer, until we began to engage with them as more than a contracting entity.”

- ARES Defense

## Member Capability Breakdown

As the only consortium dedicated to ground mobility, NAMC offers a competitive network of Members:



\*NAMC is interested in growing collaboration within Petroleum and Water Systems (PaWS) and Fuels and Lubes capabilities.



# MEMBERSHIP MEETINGS

There are two Membership Meetings each year, the General Membership Meeting (GMM) in Q2 and the Annual Membership Meeting (AMM) in Q4. These Membership Meetings focus on competitive opportunities outlook and project pipeline topics while providing a venue for collaboration. We also invite guest speakers to present on Modernization Priorities, DoD Tech Initiatives, and other topics of interest.

**Members are required to attend at least one of these meetings annually, either in-person or virtual. Save the date for our FY25 events to be held in Southeast Michigan:**

## GENERAL MEMBERSHIP MEETING (GMM)

The GMM focuses heavily on training and contracting processes for our Members in relation to the DAI OTA, the Consortium environment, and any topics that are brought up in the Annual Member survey.

**NEXT GMM: 06 FEB 2025**



Susan Warshaw Ebner, Stinson LLP, briefing on IP Rights during 2024 GMM

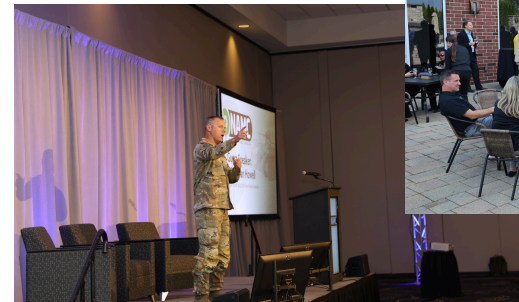


BG John Cushing, DEVCOM CG, briefing during 2024 General Membership Meeting (GMM)

## ANNUAL MEMBERSHIP MEETING (AMM)

The AMM focuses on the state of NAMC, emphasizing the state of the Consortium governance, competitive opportunities, and DoD initiatives.

**NEXT AMM: 11 AUG 2025**



COL Ryan Howell, NGCV CFT, briefing during 2024 Annual Membership Meeting (AMM)



AMM post-meeting reception



# NAMC COMMUNITIES

NAMC's technical communities continue to grow as the US Army seeks to engage with NAMC Members and incorporate their guidance and input on topics ranging from systems architecture to time sensitive networking. These communities provide a platform for Industry to influence some of the DoD's broader technology initiatives and for the Government to receive essential feedback from Industry. Interested in joining a community? Email [questions@namconsortium.org](mailto:questions@namconsortium.org)

## Modular Open Systems Architecture (MOSA)

The MOSA Community of Interest (COI) has been organized to Develop the Government baseline architecture by enhancing Program Executive Office Ground Combat Systems (PEO GCS) Infrastructure Architecture (GCIA) based on MOSA to guide the XM30 system development. MOSA COI inputs will be incorporated into the XM30 program and proliferated across the Ground Combat and Tactical Vehicle portfolios.

## Vehicle Protection Systems (VPS)

The VPS COI is working to develop open architecture virtual model prototypes supporting the advancement of vehicle survivability initiatives. The industry forum follows an "adopt-adapt-author" methodology to move towards establishing a set of common open architectures for use within the vehicle and mission system communities.

## Army Robotic Common Software (ARCS)

The ARCS Community of Practice (COP) is a Government-Industry collaborative managed to facilitate the building of ROS-2 based autonomy capability in support of US Army robotics platforms. This community will develop the base practices, procedure, and testing standards for a modular library of autonomous architectures and behaviors.

## Robotic and Autonomous Systems (RAS)

The RAS COI serves as a unified platform for the Robotic Operating System (ROS), military-specific ROS-M, Common Controller Architecture (CCA), and Interoperability Profiles (IOP). Recognizing common interests among these initiatives, the Government and NAMC established a single RAS COI to facilitate easy access to cross-referenced information for Members.<sup>11</sup>



The Army Robotic Common Software (ARCS) will provide the foundation to enable Industry and Government to effectively collaborate in transitioning ground autonomy capabilities.

The ARCS will enable Industry to shape the enterprise level technical and business approaches for ARCS, encourage the development of autonomy enabling capabilities and approaches to DoD specific requirements, and develop and implement methods for Industry to more readily access and begin using ARCS.

NAMC plays a pivotal role in facilitating the communication between Government and Industry by establishing the framework for cooperation in the development of the Army's autonomy vision.

Questions about the ARCS?

Contact us: [arcs@namconsortium.org](mailto:arcs@namconsortium.org)

## ARCS COP Subcommittees

### Technology Advisory Board:

- Objective: Develop and maintain an Army technical roadmap based on identified gaps and DoD priorities.

### ARCS AAA Group (Acceptance, Availability, Accessibility):

- Objective: Address functional topics such as user experience, accessibility, education, and support.

### Senior Steering Committee:

- Objective: Represent high-level Army priorities, shape plans of ARCS COP subcommittees, and provide feedback for priority alignment.

### Government/Industry Collaboration Executive Committee:

- Objective: Create and maintain the business model and charter for the ARCS Government-Industry Collaborative.

Applications are now open:

<https://namcgroups.org/arcs-cop/>





The NAMC Team participated in **85 events nationally** and **2 internationally** in 2024.

The Annual Membership Meeting (AMM) was the **most attended event** of 2024



2024 Annual Membership Meeting

# NAMC HOSTED 18 EVENTS

NAMC hosted events include Industry Days, Teaming Events, and Networking Opportunities like Donuts and Defense with the team at Velocity. This year we also had the opportunity to host the grand opening of our new headquarters in Ann Arbor, Michigan.



## EVENTS OUTLOOK



SBIR Roadshow in East Lansing



2024 HQ Ribbon Cutting



10X Technology Demo

## UPCOMING EVENTS

21-23 Jan	International Armored Vehicles Conference	05 Feb	NAMC hosted Industry Days Reception
22 Jan	Defense & Donuts	06 Feb	NAMC General Membership Meeting
28-29 Jan	NGCV CFT Modernization in the Motor City (MMC)	24-26 Feb	Tactical Wheeled Vehicles Conference (TWV)
31 Jan	CODEL Staffer's Breakfast	08-10 Apr	Michigan Defense Expo (MDEX)
04-05 Feb	GVSC Industry Days	29 Apr-01 May	Modern Day Marine (MDM)





# NEW EVENTS IN FY24

In 2024, there were 30 events organized to enhance collaboration among Members, provide training, and enable direct interaction with NAMC staff to gain a deeper understanding of the consortium's practices and processes. These events help industry representatives and government stakeholders effectively utilize Member technologies to address operational gaps, while also assisting technologists and business leaders in creating new teaming opportunities that accelerate capabilities for the Warfighter.

## THESE EVENTS INCLUDE:

INDUSTRY DAYS

TECHNICAL WORKSHOPS

MARKET RESEARCH DEMOS

MISSION DRIVEN  
INNOVATION (MDI) STUDIES

PITCH COMPETITIONS

DEFENSE INNOVATION  
WORKSHOPS (DIW)



## DONUTS & DEFENSE

Donuts and Defense is an exciting new initiative launched by NAMC and Velocity in FY24. This program offers a fantastic opportunity to connect with influential figures in the defense sector and businesses looking for collaboration.

Participants can network and listen to engaging pitches from various organizations, creating possibilities for mutually beneficial partnerships. We look forward to continuing Donuts & Defense throughout FY25, with the first one being held on starting on 22 Jan at the Velocity Center.





# 10X DISMOUNTED INFANTRY PLATOON TECHNOLOGY DEMO

Facilitated by NAMC in collaboration with GVSC, 10X brought together a diverse array of industry leaders, driving innovation for the future of modern warfare. This groundbreaking initiative focused on integrating advanced technologies within a System of Systems (SoS) framework to enhance the operational capabilities of dismounted Infantry Platoons. By leveraging a combination of Government and Commercial off-the-shelf technologies, the project targeted key operational pillars to better inform future Army requirements.

The primary objective of 10X was to demonstrate that a dismounted Infantry Platoon, augmented with robotic and AI-driven systems, can operate more efficiently, making quicker and more informed decisions compared to current conventional platoons. The program follows a cyclical structure, where government stakeholders select technologies based on maturity and availability. Each cycle has tested the impact of various integrated solutions, operated through a common controller, on the platoon's overall effectiveness.

Notable advancements were achieved by further integrating capabilities associated with unmanned platforms, a common control interface, distributed database, enhanced communications, and other supporting technologies.



FORT MOORE, GEORGIA, UNITED STATES  
20 SEP 2024 Photos by Christopher Estrada  
DEVCOM Ground Vehicle Systems Center



# 10X CONTINUED

The integration of such technologies not only pushed the boundaries of current military systems but also showcased a forward-thinking approach to warfare, allowing platoons to respond faster and more effectively to complex and dynamic environments.

The success of 10X was reflected in a set of key performance metrics gathered across three major integration events. These metrics underscore the program's ability to deliver tangible results and guide future initiatives.

Metric	Total
Remote Simulation Testing Events	19
Remote Live Asset Testing Events	7
In-Person Integration Events	3
Autonomous Miles Driven	34
Autonomous Minutes Flown	1,163
AiTR Detections - Tracks Fused	12,825



FORT MOORE, GEORGIA, UNITED STATES  
20 SEP 2024 Photos by Christopher Estrada,  
DEVCOM Ground Vehicle Systems Center





# CHARITABLE PARTNERS HIGHLIGHT

NAMC's commitment to the US Warfighter extends beyond the battlefield, exemplified by our charitable partnerships.

In 2023, NAMC committed to donating \$125,000 over five years to Fisher House Michigan, a non-profit supporting military personnel, veterans, and their families. This partnership aligns with NAMC's mission to assist the Warfighter and Fisher House's community support efforts.

NAMC's COO, Warren Sponsler, has been a board member since May 2024. On February 20, 2024, a "Topping Off Ceremony" celebrated a construction milestone for the new Fisher House, where NAMC representatives signed the final beam installed at the entrance.

In 2024 NAMC added a new charitable partner, Crevolution Robotics. Comprised of dedicated and enthusiastic students from Utica Community Schools and located in Sterling Heights, Michigan, Crevolution is a high school robotics team participating in the FIRST Robotics Competition.

The students of Crevolution exemplify the spirit of innovation that NAMC values deeply in the areas of robotics, autonomy, advanced mobility and enabling technologies that are at the core of our mission.

NAMC is proud to support this youth STEM initiative by investing in aspiring technologists, engineers, and leaders while developing the skills, drive and talent for the Defense community and our future society.

Would you be interested in sponsoring a FIRST robotics team? If so, reach out to [info@namconsortium.org](mailto:info@namconsortium.org) to find out more information on Crevolution or other FIRST robotics teams.





The first project award under the DAI OTA came in July 2024. NAMC competed 18 projects through the FY25 Annual Plan and awarded 7 projects in total FY24:

### FY24 Project Awards:

RPP-24-D06	S-MET Inc II	ARV - \$10.5M HDT Expeditionary Systems - \$11.5M
RPP-24-D07	SPDRS	AEF - \$175k HDT Expeditionary Systems - \$200k
ADS Pitch Competition		QinetiQ - \$75k Teledyne FLIR - \$50k RTX - \$25k

### FY23 Project Awarded in FY24:

RPP-23-02	PB-NSCV	AM General - \$2.3M Battelle - \$2.1M Navistar Defense - \$2.5M
RPP-23-04	CoVer Year 5	GS Engineering - \$499k SoarTech - \$2.2M



I really enjoyed the pitch competition last week and appreciate the way you kept the vendors organized and in good spirits.



Recent email from a Government Customer

### FY24 Projects still being completed/evaluated:

- RPP-24-D14 – EEHV (proposal stage)
- RPP-24-D03 RCV Ph II (evaluations)

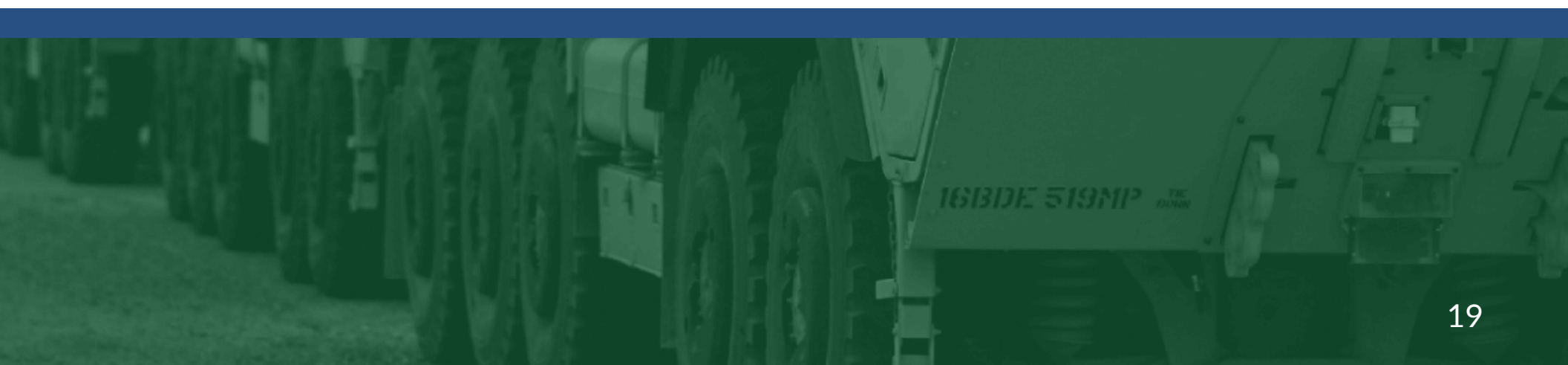




As a member of NAMC, we have greatly benefited from their advocacy, which has opened valuable opportunities to connect with industry and defense partners. Their support has provided us with new exhibiting opportunities that have been crucial for our visibility. The resources and connections NAMC offers have significantly boosted our business growth and collaboration efforts, enhancing our overall market presence.



**GS Engineering**







# GET IN TOUCH WITH US

Our dedicated team is always ready to assist you with any questions or provide more information about the many benefits of membership. Whether you're looking to network with industry professionals, participate in exclusive events, or utilize our state-of-the-art facilities, NAMC offers a vibrant community and valuable resources to support your growth and success. Don't hesitate to connect with us and explore all that we have to offer. We look forward to welcoming you to NAMC!



**(888) 851-7917**



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**[namconsortium.org](http://namconsortium.org)**

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## STERLING HEIGHTS

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