

Time	Topic	Briefer
7:45am	Doors Open/Registration, Food/Coffee available	
8:00	Networking	
8:25	Opening Remarks	Paula Macpherson
8:30	Velocity Manufacturers Database and Resource Navigator	Paula Macpherson
8:40	CEO Roundtable	Rick Venet
8:45	Army Updates/Fisher House Michigan	Warren Sponsler
8:50	Utica Community Schools (UCS) Technical Programs: MADE, CSI, School to Work	
9:05	Kettering University Co-op Opportunities	
9:20	3-Minute Company Pitches: 1. W.L. Gore 2. Butzel 3. The Michigan Manufacturing Tech Center 4. EOS Worldwide 5. MoveAmerica 6. Duggan Manufacturing 7. Square One Education Network	Business Reps
9:45	Closing & Networking	Warren Sponsler
10:30	End of Program	

VELOCITY



NAMC

NATIONAL ADVANCED MOBILITY CONSORTIUM

VELOCITY

INCUBATOR
ACCELERATOR
&
COWORKING SPACE

MIVELOCITY.COM





VELOCITY

Manufacturing, Aerospace, Defense,
and Advanced Technology Directory



MIVELOCITY.COM



NAMC

NATIONAL ADVANCED MOBILITY CONSORTIUM

Donuts & Defense December 2025

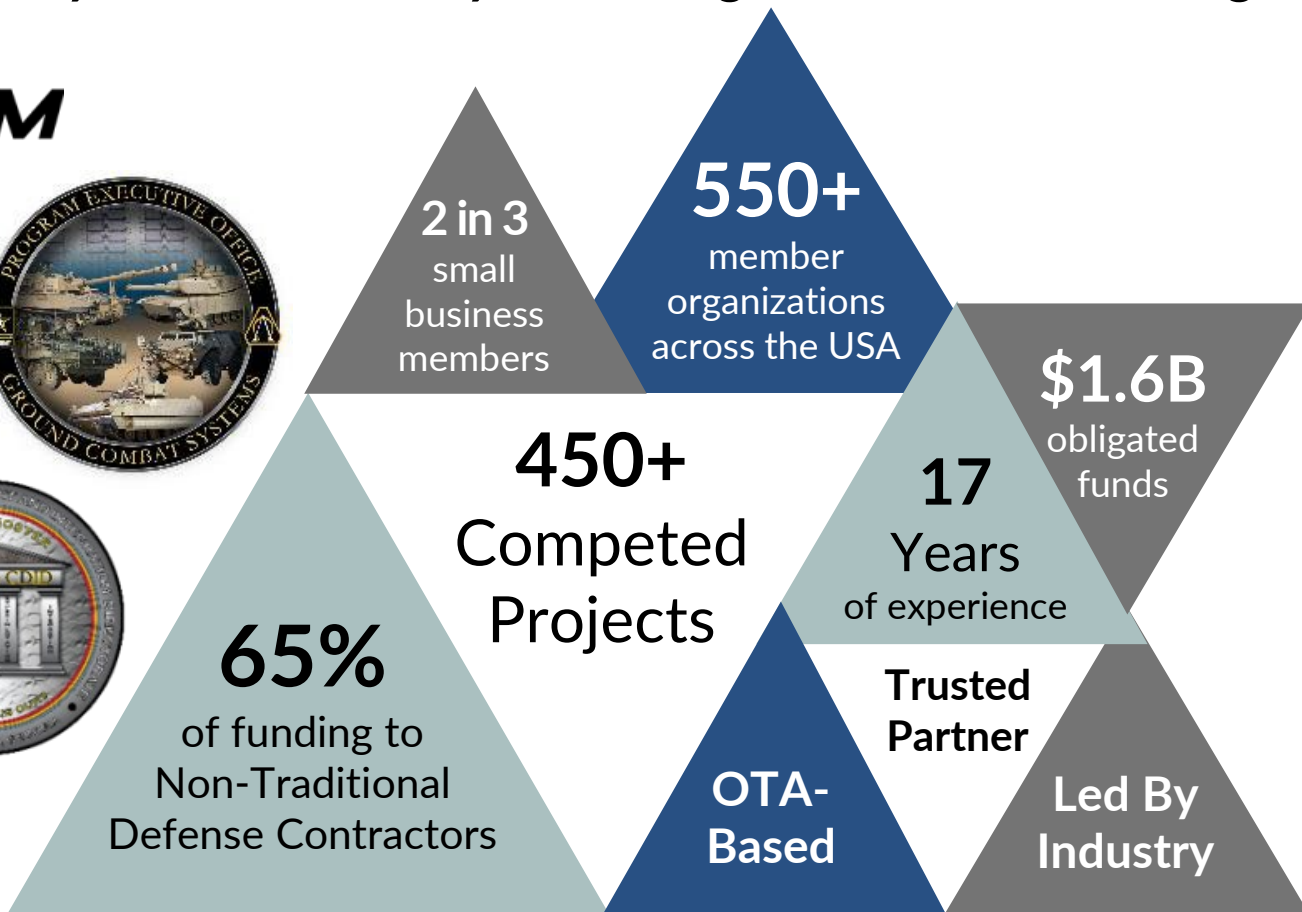
Warren Sponsler
Chief Operating Officer, NAMC
warrens@namconsortium.org

This Presentation is Unclassified



The National Advanced Mobility Consortium Inc (NAMC)

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



INNOVATION

Creative problem-solving thru mission-focused, experienced, multi-functional staff.



COLLABORATION

Lead collaboration efforts to embrace an ecosystem of experienced industry partners across technology disciplines.



TRAINING & TOOLS

Develop the industrial base to deliver best-fit capabilities meeting critical demands.

NAMC Offices in **Ann Arbor** and **Sterling Heights, MI**

<https://www.namconsortium.org/>



Evolving Defense Industry Environment

Strategic Reprioritization

- Regional Focus on Indo-Pacific Theater of Operations
- Prioritize Defense of the Homeland/Western Hemisphere
- Air, Sea, Space, Cyber Capabilities
- Emerging Technology Areas

Reorganization

- Reduced Top-End Structure
- AFC + TRADOC = Army Transformation and Training Command (T2COM), Austin, TX
- ARNORTH + ARSOUTH + FORSCOM = Western Hemisphere Command (WHC), Fort Bragg, NC
- IBCT to Mobile Brigade Combat Teams (MBCT)

Acquisition Reform

- Move to Portfolio Acquisition Executives (PAE) and Capability Program Executives (CPE)
- Leverage Commercial Technology + Private Investment
- Refine & Streamline Processes
- Prioritize User Feedback & Experimentation (Army TiC)
- Cancel outdated, late, over priced, programs
- Enforce Right-to-Repair
- FORGED and SPEED Acts in Congress

What It Means:

- Shifting Budgets & Relationships
- New Processes & Access
- Focus on Speed to Market & Adaptability
- New Opportunities
- Patience...





Fisher House Michigan

"Because A Family's Love is Good Medicine"

What is a Fisher House?

Fisher Houses are comfort homes where military & Veterans' families can stay free of charge, while a loved one is in the hospital.

More than 100 of these homes are located at military and VA medical centers around the world.

Fisher Houses in Michigan have 16 suites, with private, mobility-accessible bedrooms and baths. Families share a common kitchen, laundry facilities, a warm dining room, an inviting living room, and a relaxing outdoor back patio.

The first Fisher House in Michigan opened at the VA Ann Arbor Healthcare System in June 2020, and has since hosted over 12,000 guests! Fisher House Detroit opened in February 2025. **Together, these Fisher Houses in Michigan offer up to 11,680 nights of cost-free lodging each year.**

With the help of donors all over Michigan, Fisher House Michigan supported the construction of both Houses. Today, FHM continues to provide meals, local transportation, overflow hotel stays, comfort items, and more, in support of the VA as they now operate these Fisher Houses.

Additionally, FHM supports the national Fisher House Foundation and the Department of Veterans Affairs, in raising funds and awareness to bring Fisher Houses to any Michigan community where the Department of Veterans Affairs decides a Fisher House is needed.

<https://www.fisherhousemichigan.org/>

Email: info@fisherhousemichigan.org



Fisher House Ann Arbor



Fisher House Detroit

Top Rated Veteran Charity



Join the Meal Train!



STEVENSON MADE

A CAREER ACADEMY

Manufacturing, Automation
and Design Engineering



STEVENSON MADE

A CAREER ACADEMY

WHERE CORE LEARNING
MEETS CAREER PATHWAYS

Full Day Program

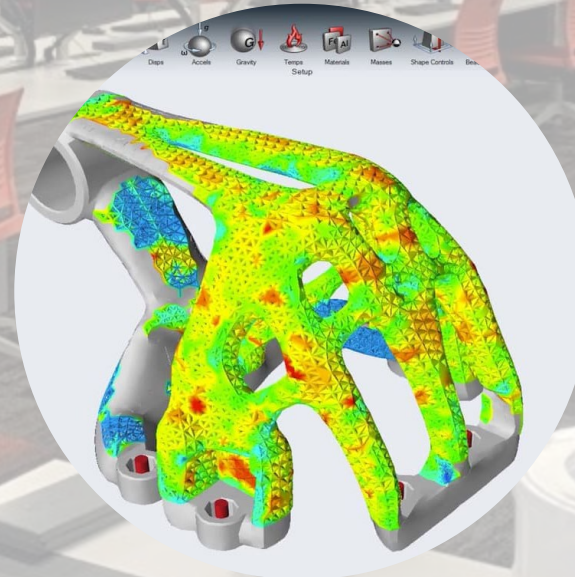
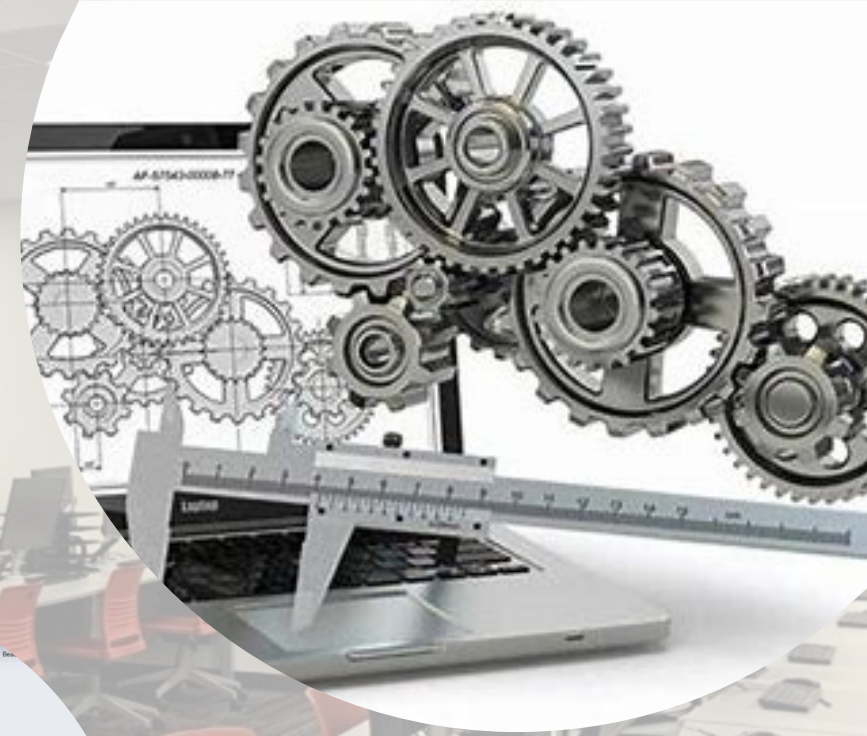
Grades 9-12

350 Students



Design Engineering

- CAD/CAM
- FEA/Simulation
- Additive Manufacturing - 3D Printing Technology
- SOLIDWORKS Certification



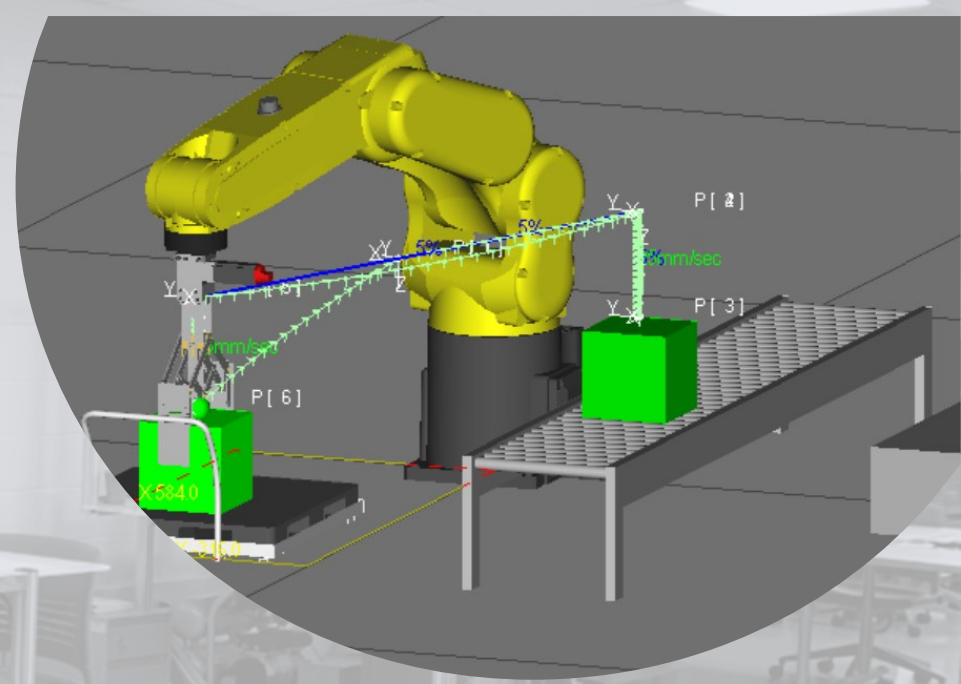


Fabrication

- CNC Machining
- Welding
- Plasma Cutter
- Assembly
- Welding Certifications

Automation

- Robot Programming and Operation
- PLC Programming
- System Design
- Electrical/Sensors
- FANUC Certification



What's Next?

- Engineering Degree
- Apprenticeship/Community College
- Careers in Trades
- Certifications

Engineering Degree

Civil Engineering at LTU
Interned in Civil Engineering as
senior

Controls Engineering at Mich. Tech
Automation student pursuing
further education

Kettering University/GM Co-op
Senior Capstone – Hummer
Redesign
Scholarship to Kettering
GM Co-op

Working in
Industry

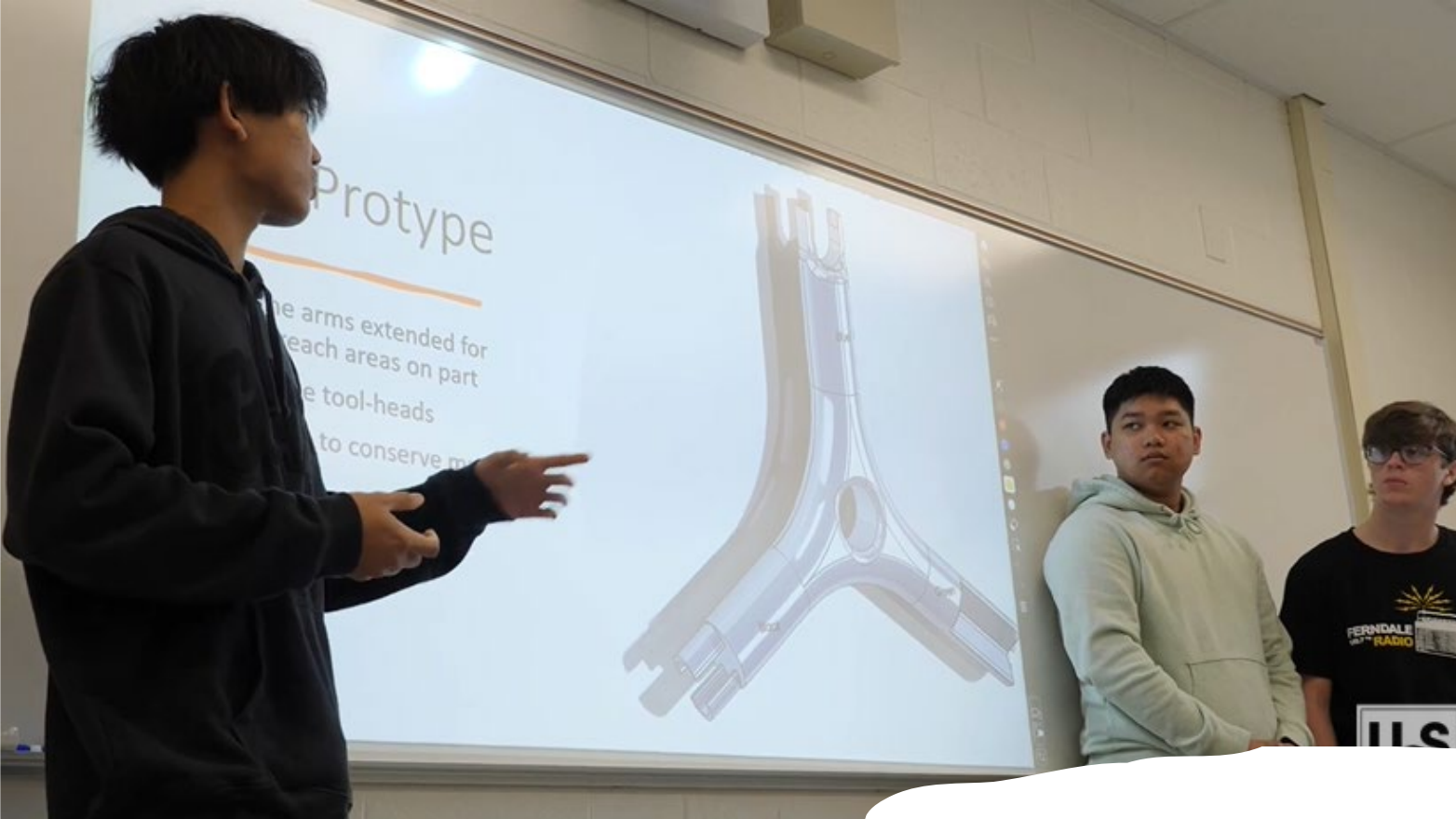
Robot Programmer
FANUC Certification

Aerospace Welder
Classroom Training at
MADE
School-to-work
Full time hire with no
further training

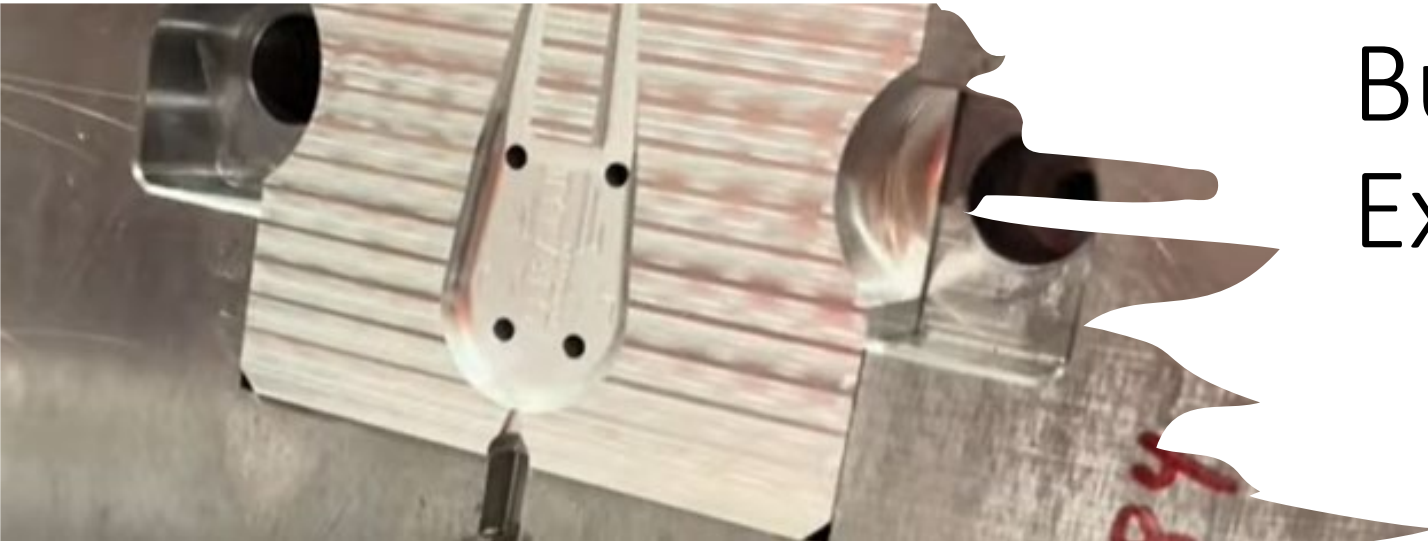
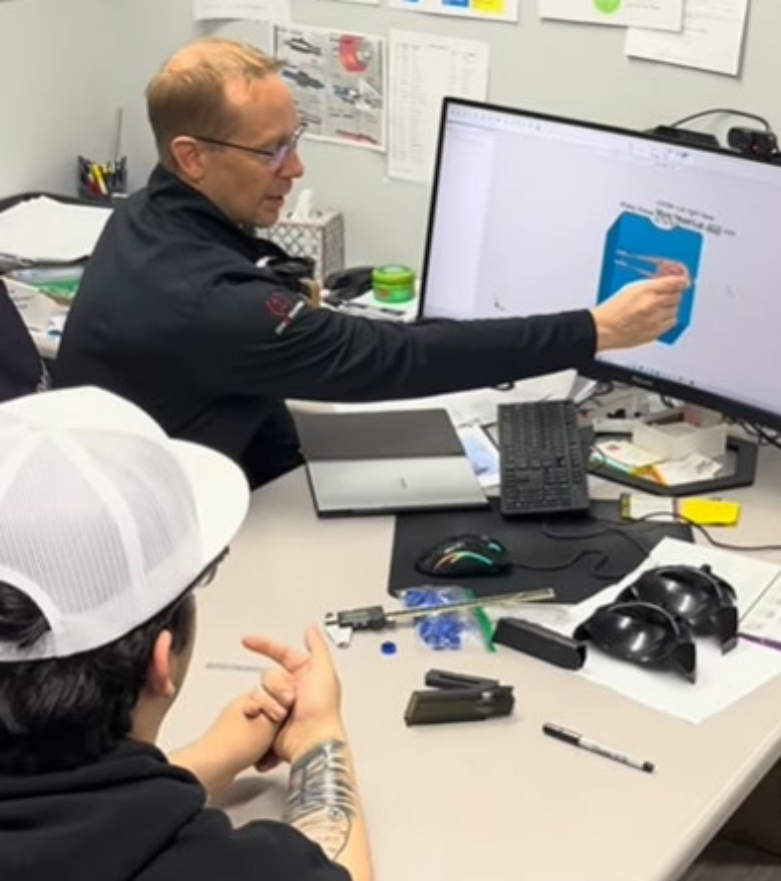
Business Partnerships



- Field Visits
- Job Shadowing
- In-House Training
- Pathway Projects
- Senior Capstone Projects
- Career Fairs/Resume Workshops
- School to Work (Co-op)
- Hire



Business Partnerships –
Example Projects



Business Partnerships –
Example Projects

Business Partnerships – What's Next?



January 2026 Pilot Program –

Weekly Partner Immersion

Business Partnerships



Contact:

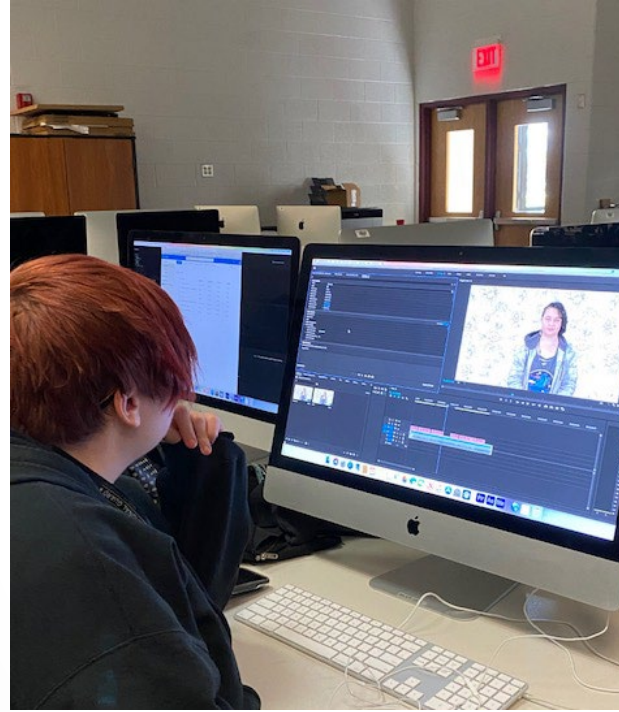
Mark.LaCombe@uticak12.org



Center for Science & Industry

Utica Community Schools





What is CSI?

- A ½ day career and technical education academy open to all UCS students
- **Unique Pathways**
 - Mechatronics and Engineering
 - Information Technology
 - Multimedia Productions



**UCS Specialty Program Spotlight:
Utica Center for Science and Industry**

How is CSI different?

Career and Technical Education focused with core subject integration

Cross-curricular projects and trade shows

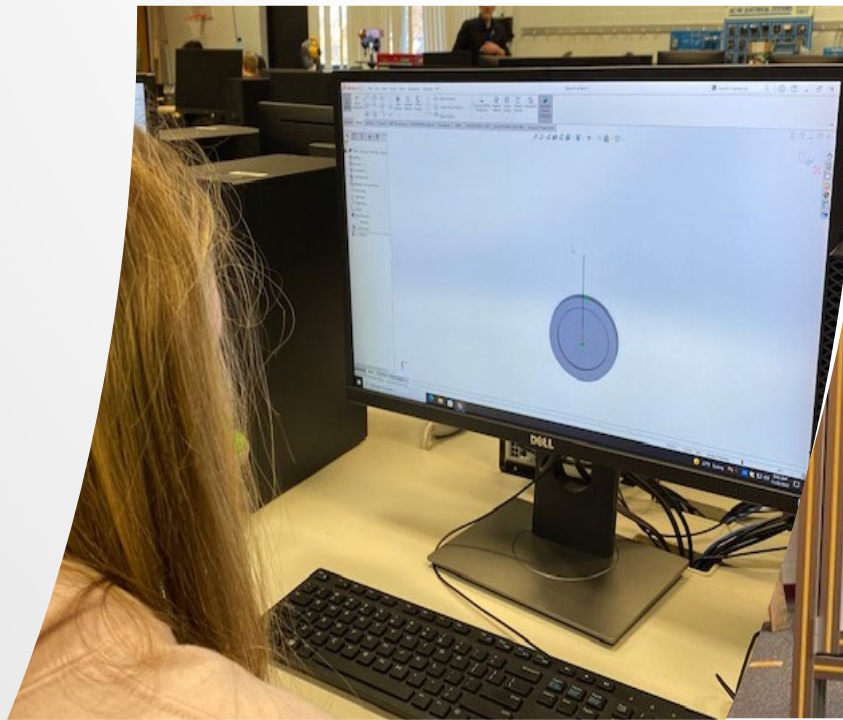
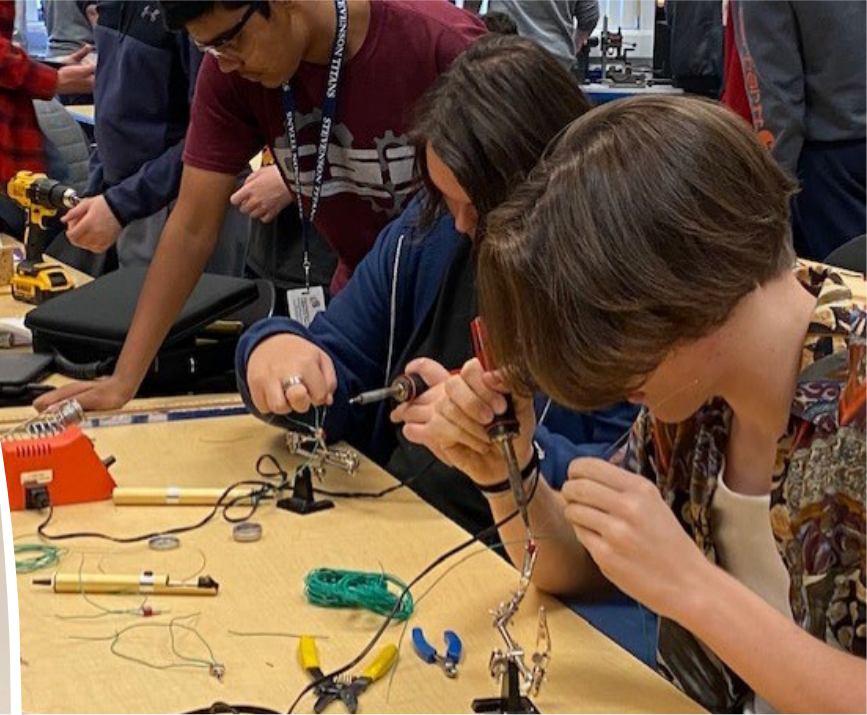
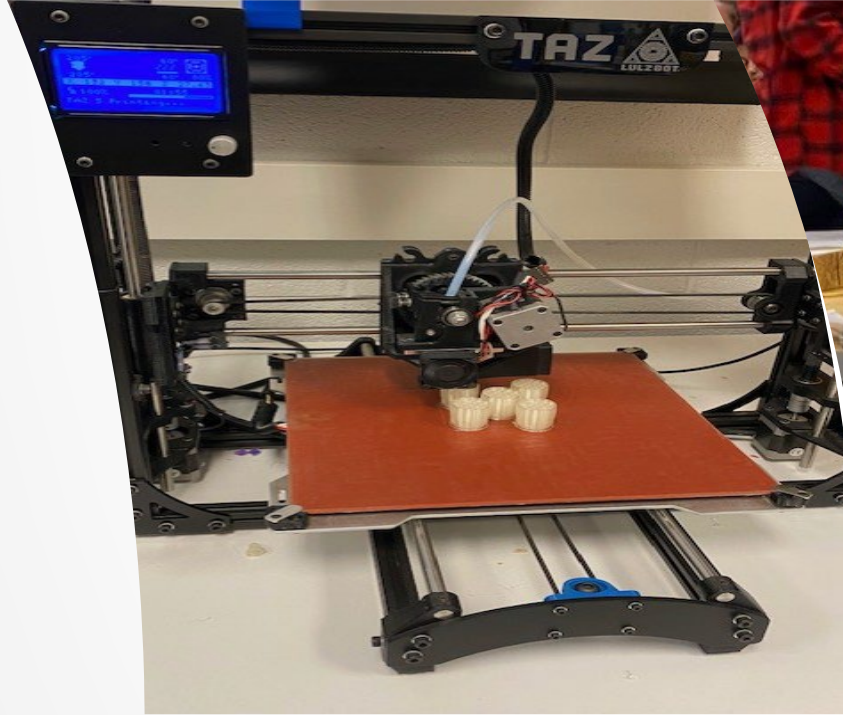
Collaboration

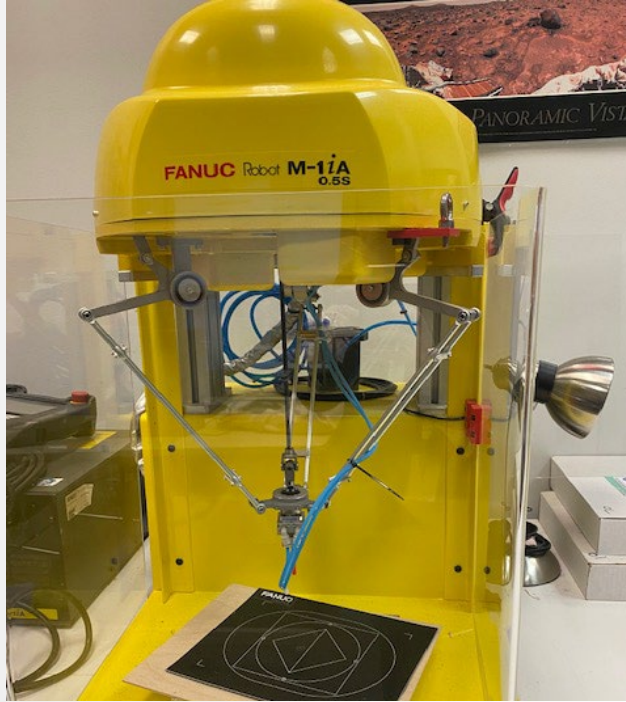
Public Speaking

“CSI is a different kind of rigorous...”

ENGINEERING MECHATRONICS

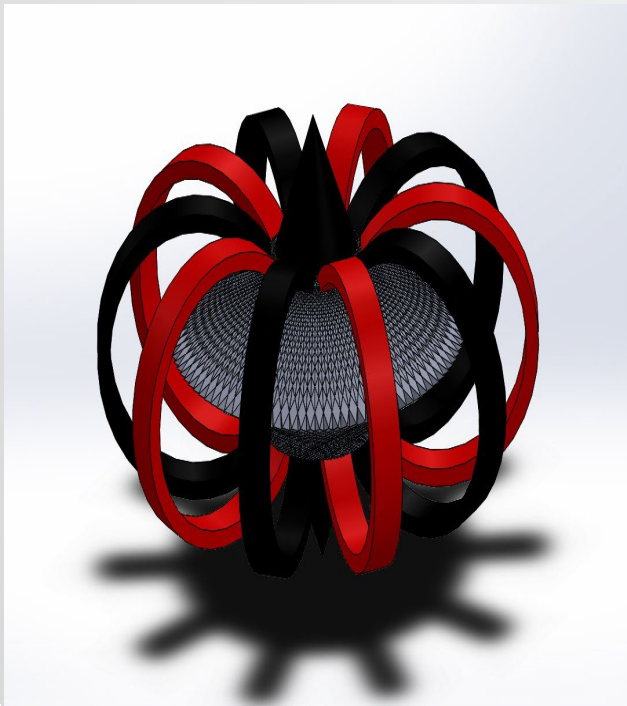
- Electronics & circuitry
- Alternative energy
- Engineering process
- Sensor technology
- SolidWorks/3D design
- Programming
- Robotics
- Pneumatics
- 3D Printing





FANUC Certification

Graduates of the Mechatronics Engineering pathway will have the opportunity to earn a **FANUC Industry certification in Materials Handling**

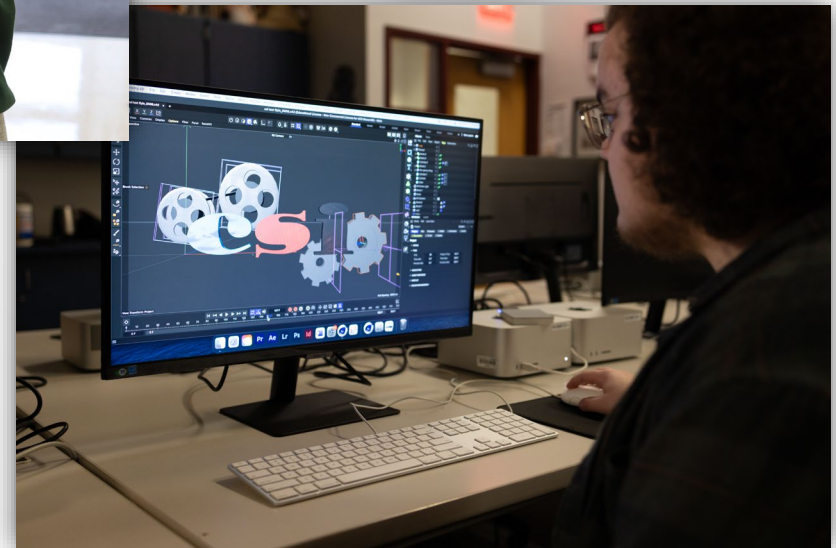


SolidWorks Technical Certification

Students will have industry level competency that are integral to manufacturing throughout the country

Multimedia Production

- Photography
- Filmmaking
- Screenwriting
- Sound Design
- Video Editing
- Digital Illustration
- 2D/3D Animation
- Drone Cinematography



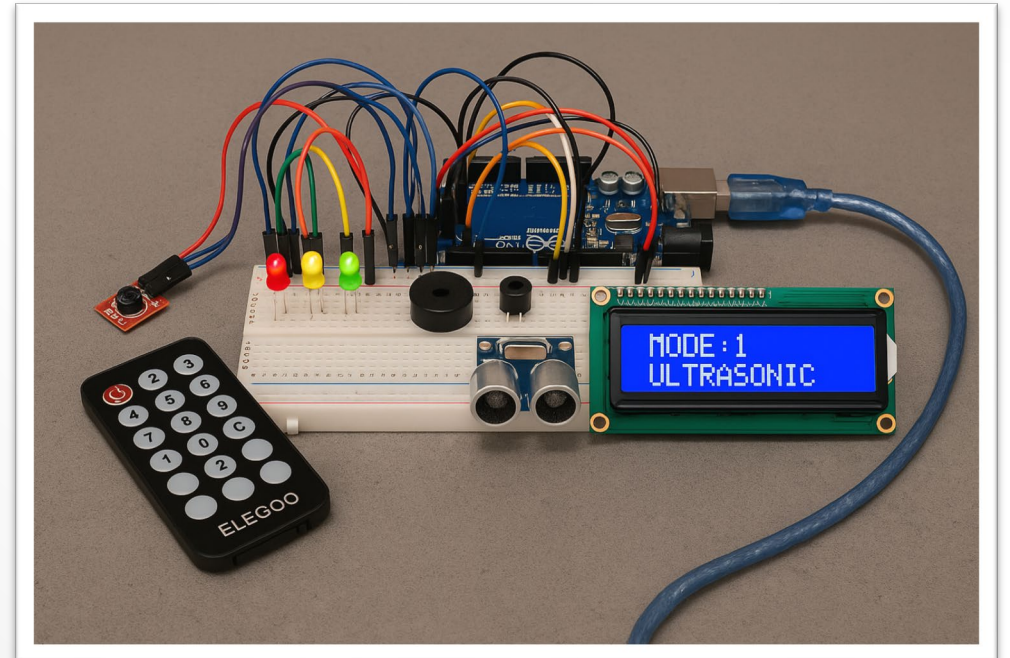
Drone Technology

Senior year, students will have the opportunity to earn their **Part 107 Drone Pilot certification**



Information Technology

- Hardware
- Software
- Networking
- Cybersecurity
- Programming



WAYS TO BE INVOLVED WITH CSI

- Guest speaking
- Attend Tradeshows and evaluate projects
- Capstone mentors
- Job Shadow opportunities
- After school Coop



Looking for more information?

FOLLOW US!



csi_ucs



Utica Center for Science and Industry



Center for Science & Industry

Utica Community Schools



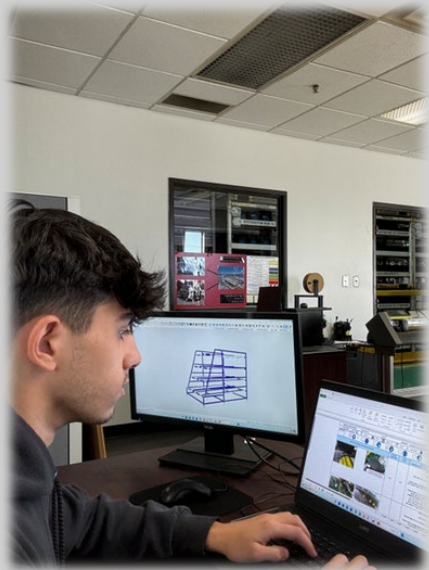
UTICA COMMUNITY SCHOOLS

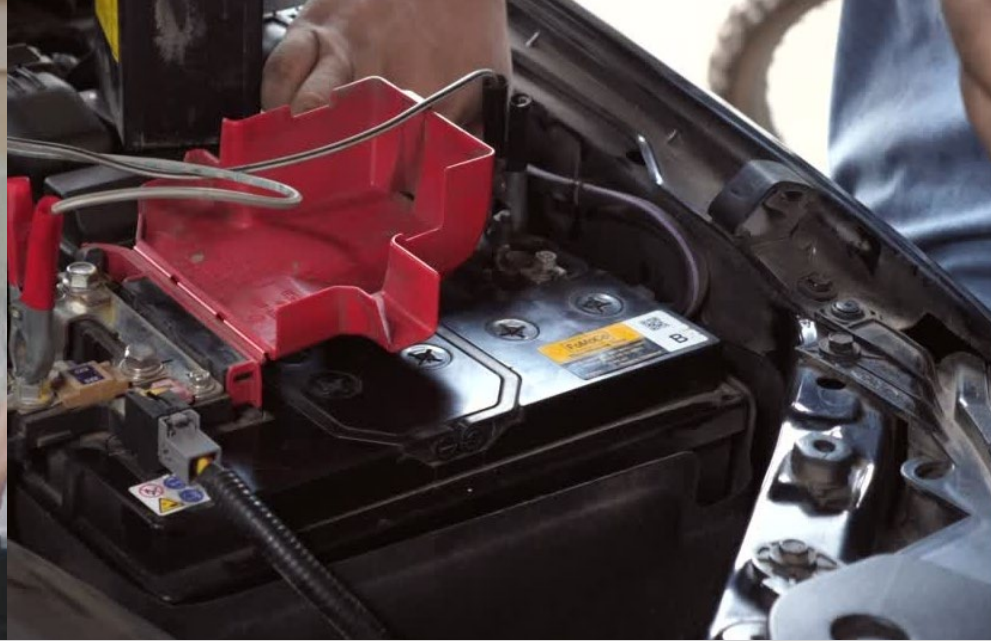
SCHOOL TO WORK



WHAT IS SCHOOL TO WORK

The objective of our program is to connect classroom learning with work-based learning experiences, support supervised paid on-the-job training and help students make career decisions.





We offer placement in a variety of career pathways that align with our Career & Technical Education courses



Architecture & Construction
Trades



Business, Finance, & Marketing



Education & Family Consumer
Sciences



Medical Health Sciences



Woodworking



Automotive & Small Engine
Technologies



Computer Programming &
Information Technology



Design Engineering



Welding

EMPLOYER BENEFITS

- Positive community involvement.
- STW Coordinator narrows the field of acceptable interns.
- STW Coordinator supervises and monitors the intern during the experience.
- Students have related course provided by Career Technical Education instructors.
- Potential full-time “trained” employees after graduation.



HIRING PROCESS



- **Contact the School to Work Coordinator with internship job description.**
- **Coordinator will select recommended candidates based on initial screening and academic/attendance records.**
- **Coordinator will assist students with resume and interview skills.**
- **Employer will interview and extend offer with details of employment to the best candidate.**
- **Details of employment: pay rate, start date, working hours and duties all outlined by the employer.**

HIRINGTIMELINE



- **Student applications submitted in February for the following school year.**
- **Student placements occur in the spring, throughout the summer months, and in September/January.**
- **Students make a commitment for the entire school year.**

EMPLOYER RESPONSIBILITIES



Provide a safe work/training environment.



Adhere to all state and federal labor laws.



**Employ students for 10 hours minimum per week.
(24 hour maximum per child labor law)**



**Required paperwork: Training agreement/plan, evaluation,
time book.**



**Provide state required business insurance policy information.
(general liability and workers compensation)**

STUDENT SPOTLIGHT

“I love my job because it allows me to gain amazing experiences in the medical field and I can take care of others.”

“Students should consider the STW program because you gain great experience that you wouldn’t gain at your regular job, and it sets you up for success to be able to reach your future goals.”



Medical Intern: Grace

STUDENT SPOTLIGHT

“I love my job because it gives me the ability to use tools and knowledge to fix and repair diesel-powered systems. I am able to apply logical thinking and problem-solving skills. I love the feeling of finishing large projects.”

“Students should consider STW because it allows you to get a head start in a career area you are interested in. STW gives you the opportunity to see the real-world side of the industry all while making some money to save towards your future.”



Fabrication Intern: Seth

INTERESTED IN LEARNING MORE...

CONTACT:

MRS. JANET GENDELMAN AT HF II & SHS
JANET.GENDELMAN@UTICAK12.ORG

MRS. KATIE LELITO AT EISENHOWER & UTICA
CATHERINE.LELITO@UTICAK12.ORG



For The *Driven*

Co-op & Career Design



Kettering
UNIVERSITY



WHY ARE WE A PREMIER CO-OP





OUR MISSION



WE SHAPE OUR STUDENTS' PROFESSIONAL JOURNEY!

WE COACH...WE GUIDE...WE INSPIRE

WE NURTURE OUR EMPLOYER PARTNERS' FUTURE TALENT!

WE CONNECT ...WE PREPARE...WE GROW



WE ARE UNIQUE FROM OTHER UNIVERSITIES

- **Part of the academic program-**
integrates theory with practice
- **Not a ONE-TIME** internship- students must complete at least five successful paid work terms
- **Students' Culminating Undergraduate Experience-**
generated more than \$47 million in savings for their employing companies

ACADEMIC PROGRAMS



- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Engineering Systems
 - Engineering Management
 - Manufacturing Systems
 - Mechatronics
 - Robotics
- Industrial Engineering
- Management
- Mechanical Engineering

ACADEMIC CALENDAR

TERM	A-SECTION	B-SECTION
Summer: July – Sept.	School	Work
Fall: Oct. – Dec.	Work	School
Winter: Jan. – March	School	Work
Spring: April – June	Work	School

A Three-Way Working Partnership



- Kettering University
- Employer Business Partner
- Student



Recruiting Opportunities



- Employment Fairs:
 - Spring=March
 - Summer = August
 - Fall = October
 - *Save the date March 18th for Spring '26 fair*
- Job postings on Kettering Connect for Co-op and Handshake for Full-time
- Resume referrals from me - your personal recruiter!
- Domestic & International Students
 - Kettering Sponsors Student VISA

Employer Benefits



- Access to a Technically Talented and Diverse Workforce
- Ability to Train and Mentor Future Employees within your Corporate Culture
- Reduced Recruiting, Orientation, and Training Costs
- Increased Employee Retention Rates
- Assign Focused Projects to Free Up Full-Time Employees (Senior Thesis)

Dedicated Team Co-op and Career Design



Ella Derricks
Associate Director



Enza Sleva
Vice President &
Chief Student Experience Officer



Sarah Perkins
Associate Director



Riley Boomgaard
Student Coach & Employer Liaison



Karen Owens
Student Coach & Employer Liaison



Neil Richey
Student Coach & Employer Liaison

CO-OP EMPLOYMENT PARTNERS

**GENERAL
DYNAMICS**
Land Systems



 **United
Technologies** | **Raytheon**



BAE SYSTEMS

Auto-Owners
INSURANCE
LIFE • HOME • CAR • BUSINESS

 **BASF**
The Chemical Company



brose

 **BorgWarner**

EAT•N
Powering Business Worldwide

STELLANTIS





Questions?

Contact:

Karen Owens ~ *Employer Liaison*
kowens@kettering.edu

Sarah Perkins ~ *Associate Director*
sperkins@kettering.edu



Research Capabilities At Kettering University



Dr. Javad Baqersad, P.E.
jbaqersad@kettering.edu

WHAT WE DO



ADVANCED
MOBILITY



NEW ENERGY
VEHICLES



SUSTAINABILITY



INTELLIGENT
MANUFACTURING



ARTIFICIAL
INTELLIGENCE

Kettering
UNIVERSITY

Mechanical Engineering Department

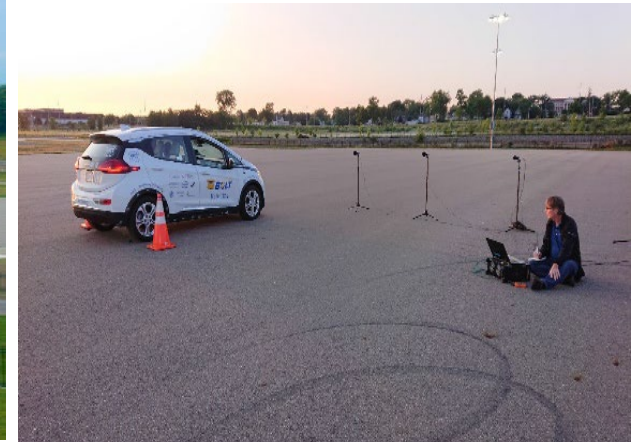
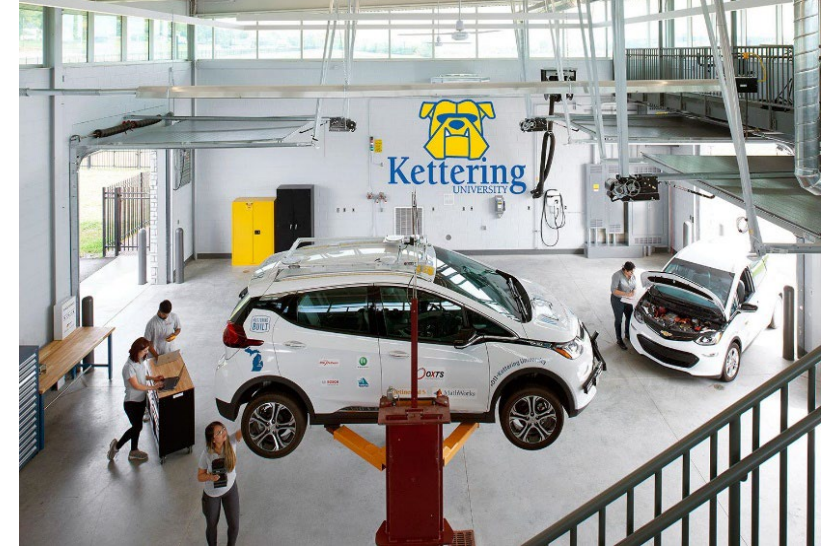


Kettering
UNIVERSITY



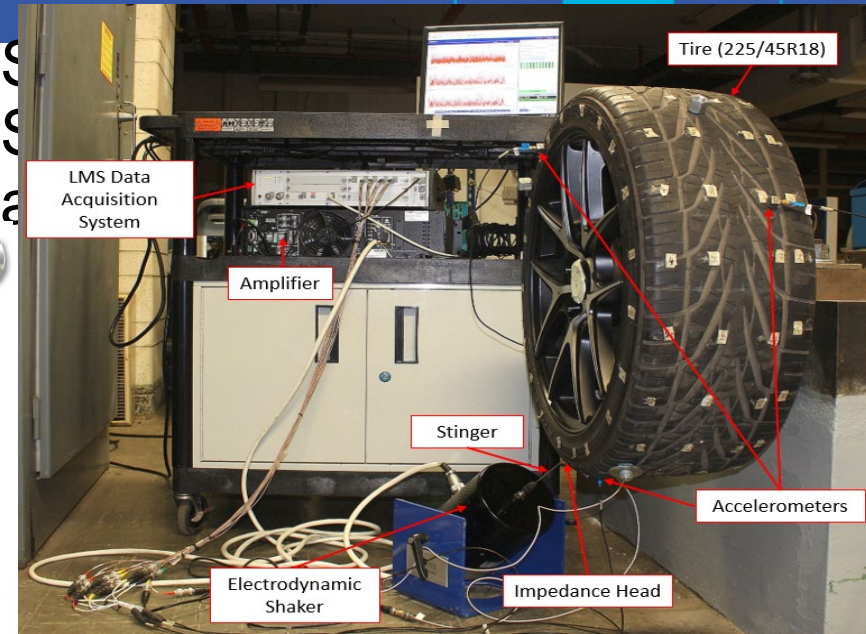
Mobility Research Center

The 21-acre Mobility Research Center





Noise Vibrations & Digital Twin Lab



\$1.1M from Head Acoustics





Crash Safety Center



KETTERING UNIVERSITY

Dr. Theresa Atkinson
Associate Professor, ME

Autonomous & Connected Vehicles





Other Research Facilities

Advanced Energy Storage and Application Lab



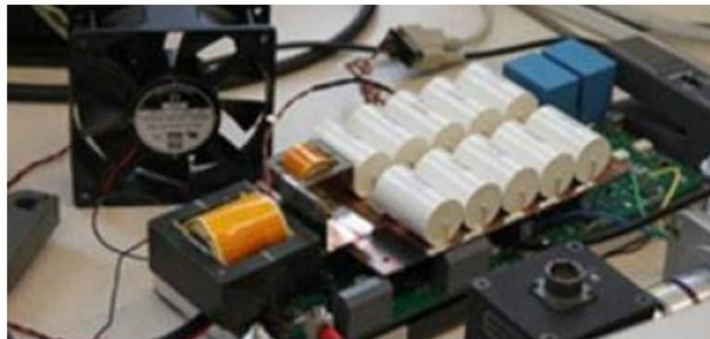
Fuel Cell Center



Autonomous and Connected Mobility Lab (ACML)



Advanced Machines & Power Electronics Design Lab (AMPED)



Intelligent Transportation Lab



Sponsors and Collaborators



Research Capabilities At Kettering University



Dr. Javad Baqersad, P.E.
jbaqersad@kettering.edu



CONTACT INFORMATION

NAME: Brian Tallman

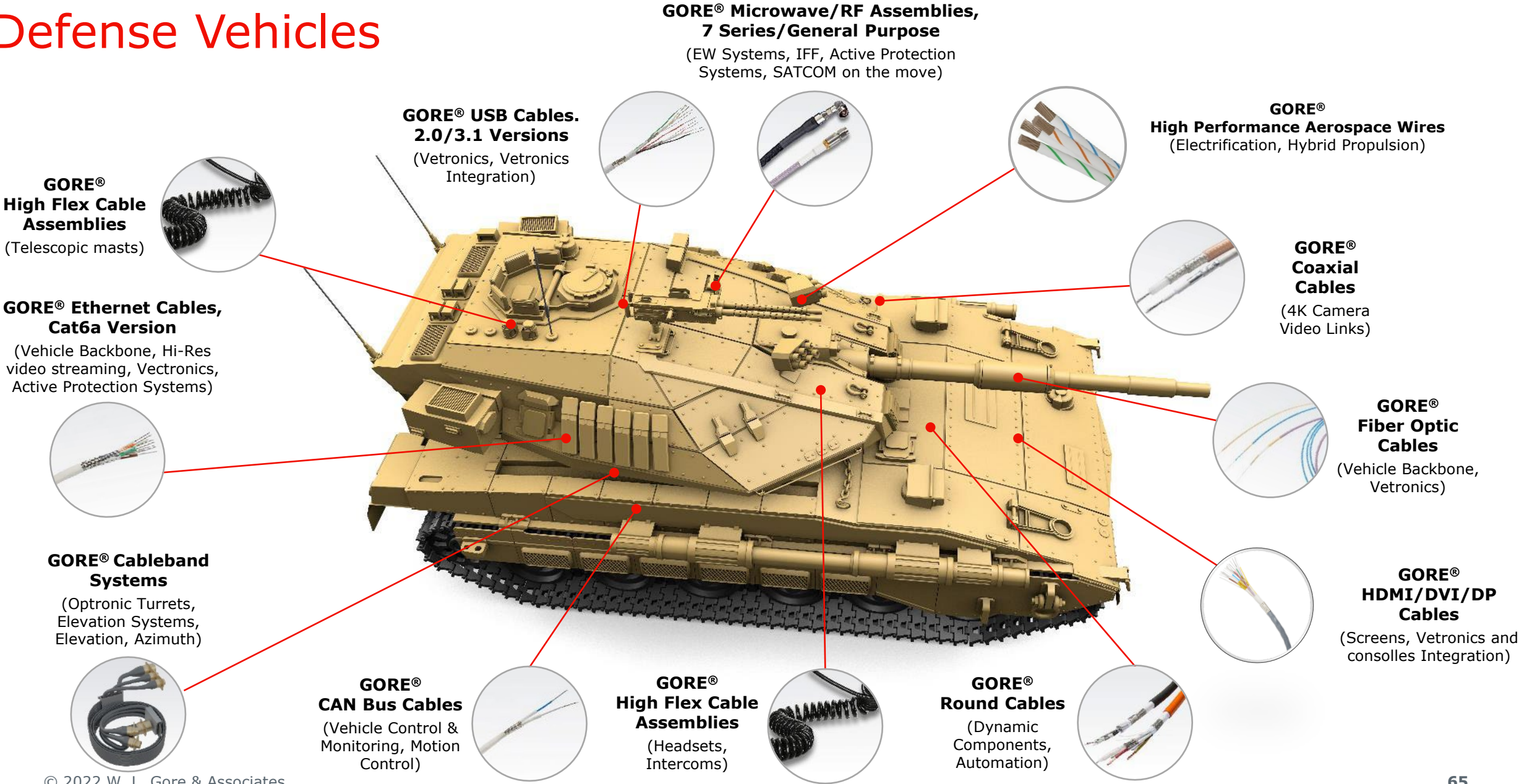
TITLE: Business Development & Strategy

PHONE: 302-242-2796

EMAIL: btallman@wlgore.com

WEBSITE: www.gore.com

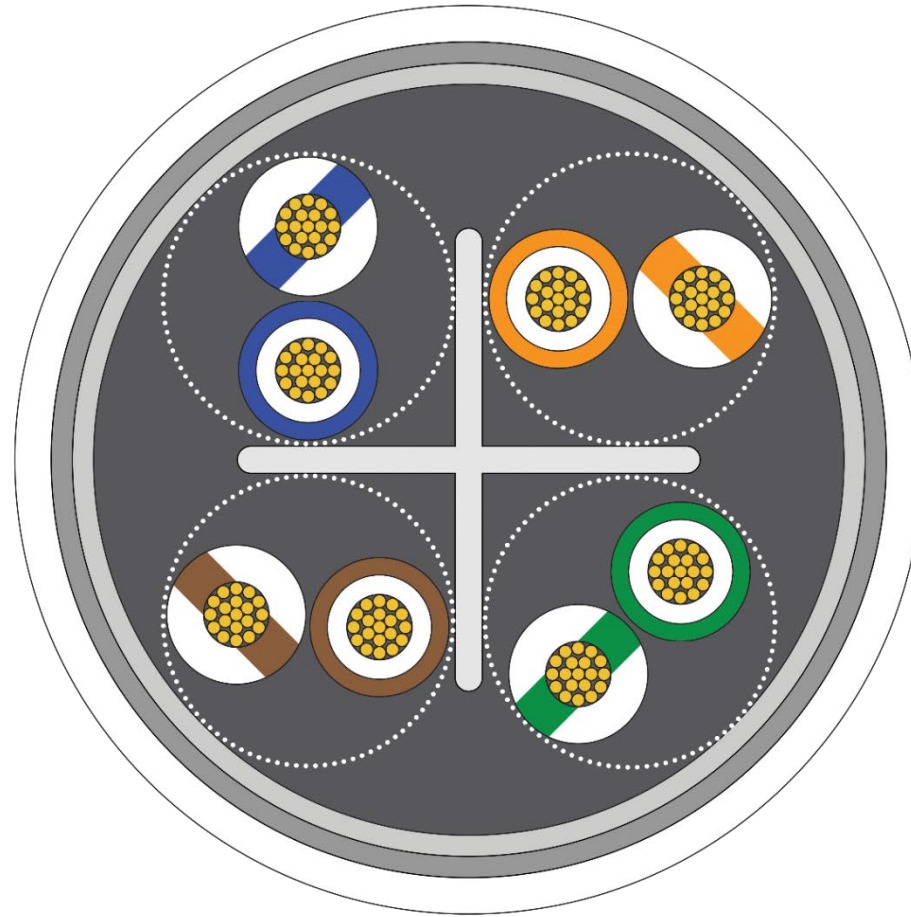
Defense Vehicles



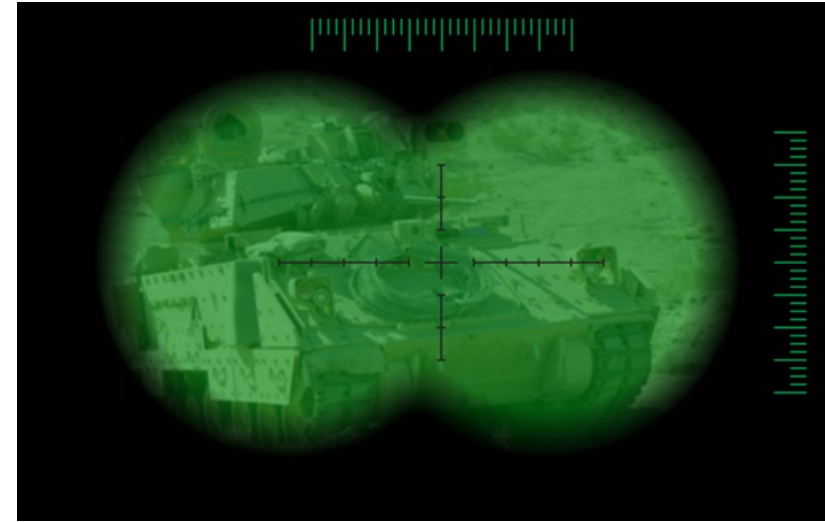
Increasing Under-Armor Volume and Reducing Weight While Increasing Effectiveness



**GORE® Ethernet Cables
(4 Pairs)**



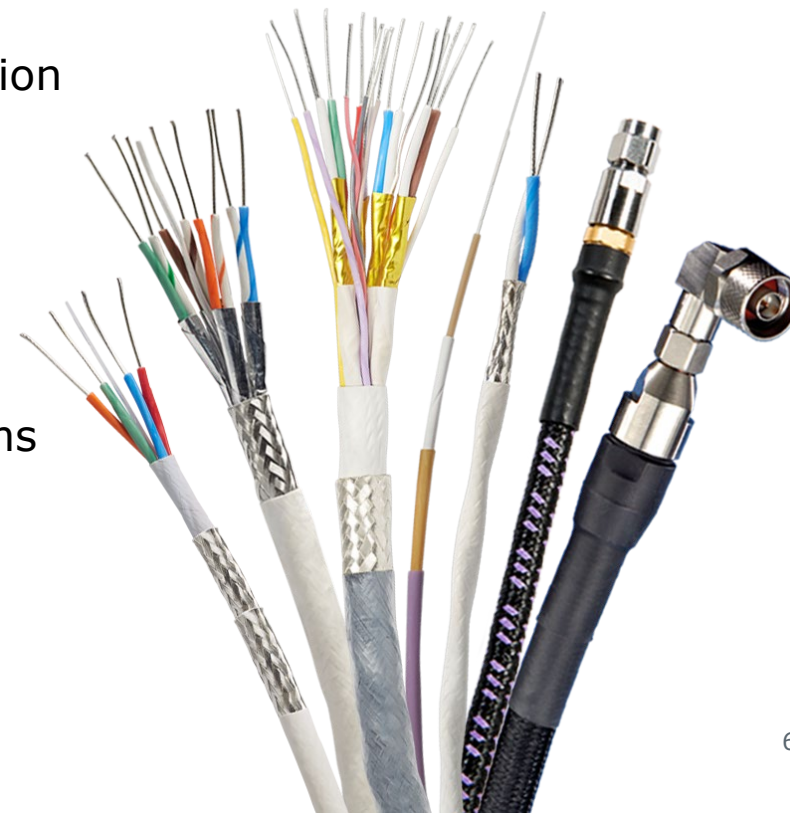
Standard Cables



GORE Aerospace & Defense

Interests

- Teaming on OTA's as Nontraditional Defense Contractor (NDC)
 - Engineering support for open architectures and high speed data
 - Engineering and business support for higher level power distribution
 - Outfitting SIL's for collaborative validation and verification
- Promoting interoperability through GCIA, SAVE, RAS-G, etc
- Understanding and navigating acquisition reforms for commercial items





CONTACT INFORMATION

NAME: Derek Mullins/Kristina Pedersen

TITLE: Shareholder/Associate

PHONE: (313) 983-6944/734-213-3601

EMAIL:

mullins@butzel.com/Pedersen@butzel.com

WEBSITE: <https://www.butzel.com/>

About Butzel

- Full-service law firm with global reach
- 150+ attorneys
- Deep historical roots as one of the oldest law firms in Michigan
- 9 offices across Michigan, and a Washington, DC office
- Serves thousands of clients across a wide range of industries
- Aerospace & Defense Industry Team with extensive experience advising defense companies in navigating the complex regulatory environment associated with the industry

Legal Considerations for Defense Contractors

- Understanding various types of contract vehicles
 - Prime contracts
 - Contractors must comply with applicable US regulations, including Federal Acquisition Regulation/Defense Federal Acquisition Regulation Supplement (FAR/DFARS)
 - Subcontracts/teaming agreements
 - Subcontractor is not contracting directly with Government, but critical requirements are “flowed-down” to subcontractor
 - OTAs
- Export controls
 - ITAR/EAR
- Compliance/mandatory disclosures

Legal Considerations for Defense Contractors

- Data rights
- FOCI/security clearance issues
- CUI/Cyber security
 - Cybersecurity Maturity Model Certification (CMMC) clauses went into solicitations/contracts last month
- Corporate/M&A considerations
- Dispute resolution
 - Bid Protests
 - Claims and terminations
 - Prime/sub disputes



CONTACT INFORMATION

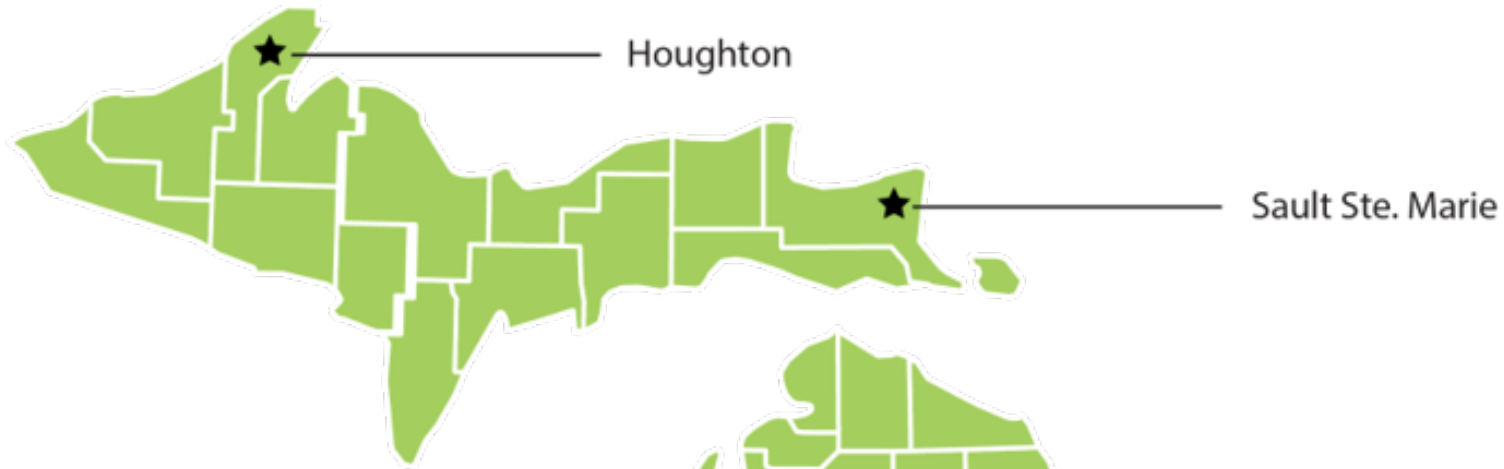
NAME: George Singos

TITLE: Business Solutions Manager – Macomb

PHONE: 586-453-4774

EMAIL: gsingos@the-center.org

WEBSITE: the-center.org



MMTC - NORTH
Traverse City

MMTC - WEST
Grand Rapids

MMTC - EAST
Saginaw

Velocity

MMTC - SOUTH
Plymouth



**Planning &
Economic
Development**



EDA

MICHIGAN DEFENSE RESILIENCY CONSORTIUM



- Accelerate energy storage and battery manufacturing to support the DoD's
- Technical assistance, technology acceleration, and workforce training initiatives
- Consulting or training services
- Matching funds of up to \$75,000 (50/50)

- Eligibility Requirements
- Located in Michigan
- <500 employees
- Financial Stability
- Demonstration of their critical potential to address a particular need in the defense energy storage and battery supply chain

OUR SERVICES

Lean & Quality

- ⚙️ LEAN MANUFACTURER TRAINING
- ⚙️ 5S TRAINING
- ⚙️ PROBLEM SOLVING
- ⚙️ COST IDENTIFICATION & MANAGEMENT
- ⚙️ SET-UP REDUCTION (SMED/QCO)
- ⚙️ VALUE STREAM MAPPING
- ⚙️ TOTAL PRODUCTIVE MAINTENANCE
- ⚙️ 6SIGMA BELTS (Yellow, Green, & Black)

- ⚙️ LEAN OFFICE IMPROVEMENTS
- ⚙️ AS 9100 PREPARATION
- ⚙️ CORE TOOLS: APQP, PPAP, FMEA
- ⚙️ CORE TOOLS: STATISTICAL PROCESS CONTROLS
- ⚙️ CORE TOOLS: MEASUREMENT SYSTEM ANALYSIS
- ⚙️ LAYERED PROCESS AUDITING
- ⚙️ PROBLEM SOLVING
- ⚙️ SUPERVISOR SKILLS 1-3
- ⚙️ ADVANCED MANUFACTURING TECHNOLOGIES





CONTACT INFORMATION

NAME: Brett Coley

TITLE: EOS Implementer

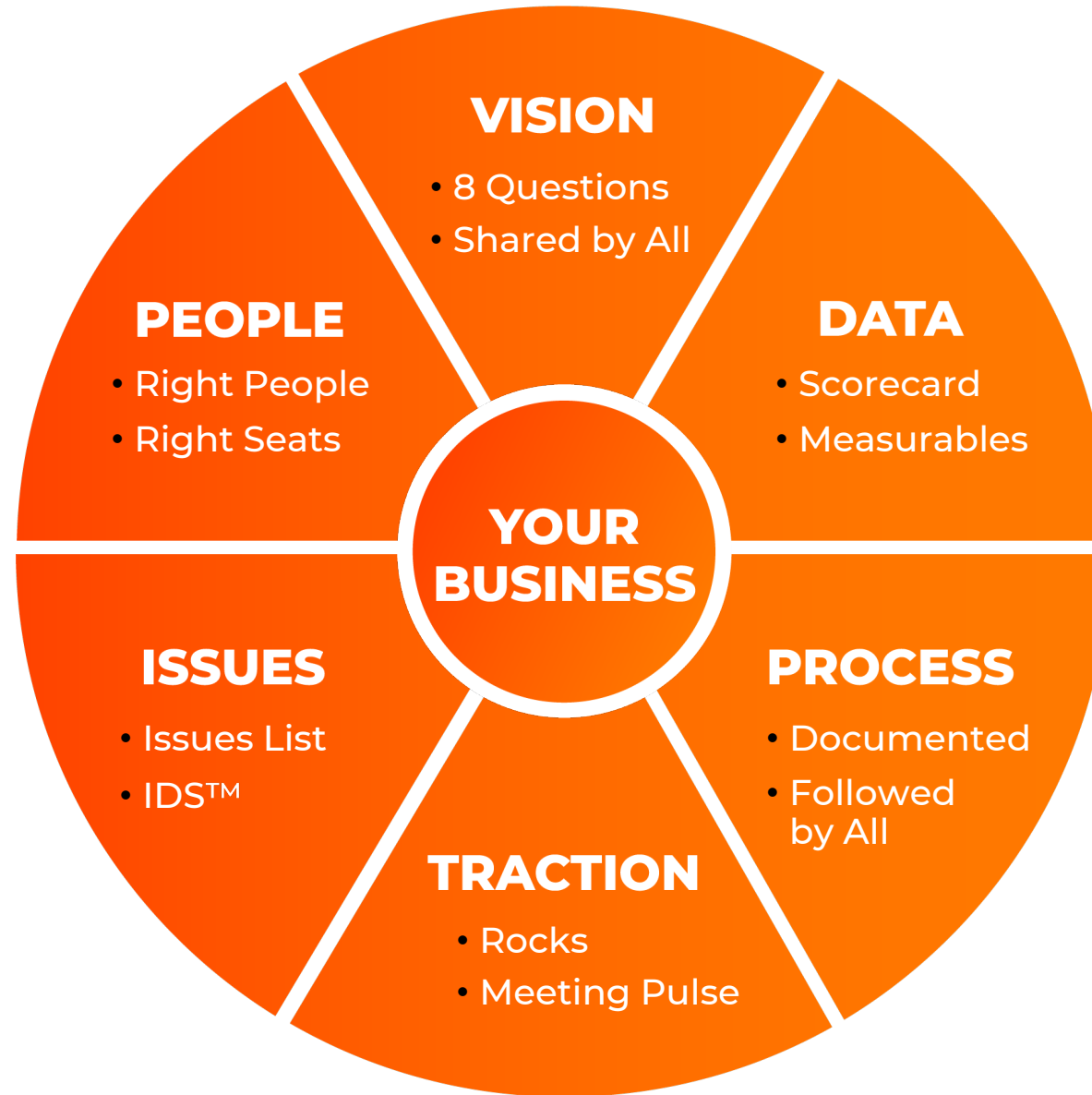
PHONE: (586) 933-7724

EMAIL: brett.coley@eosworldwide.com

WEBSITE: <https://implementer.eosworldwide.com/brett-coley/>

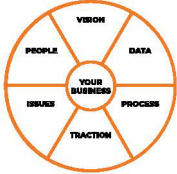
THE EOS MODEL

100% Strong



THE VISION/TRACTION ORGANIZER™

THE EOS MODEL®



THE VISION/TRACTION ORGANIZER™

ORGANIZATION NAME: _____

VISION

CORE VALUES	1. 2. 3. 4. 5.	3-YEAR PICTURE™ Future Date: Revenue: Profit: Measurables: What Does It Look Like? • • • • • • • • • •
CORE FOCUS™	Purpose/Cause/Passion: Our Niche:	
10-YEAR TARGET™	_____ _____ _____	
MARKETING STRATEGY	Target Market/"The List": Three Uniques™: 1. 2. 3. Proven Process: Guarantee:	



THE VISION/TRACTION ORGANIZER™

ORGANIZATION NAME: _____

TRACTION

1-YEAR PLAN	ROCKS	ISSUES LIST																
<p>Future date:</p> <p>Revenue:</p> <p>Profit:</p> <p>Measurables:</p> <p>Goals for the Year</p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p> <p>6. _____</p> <p>7. _____</p>	<p>Future date:</p> <p>Revenue:</p> <p>Profit:</p> <p>Measurables:</p> <table><thead><tr><th>Rocks for the Quarter</th><th>Who</th></tr></thead><tbody><tr><td>1. _____</td><td>_____</td></tr><tr><td>2. _____</td><td>_____</td></tr><tr><td>3. _____</td><td>_____</td></tr><tr><td>4. _____</td><td>_____</td></tr><tr><td>5. _____</td><td>_____</td></tr><tr><td>6. _____</td><td>_____</td></tr><tr><td>7. _____</td><td>_____</td></tr></tbody></table>	Rocks for the Quarter	Who	1. _____	_____	2. _____	_____	3. _____	_____	4. _____	_____	5. _____	_____	6. _____	_____	7. _____	_____	<p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p> <p>6. _____</p> <p>7. _____</p> <p>8. _____</p> <p>9. _____</p> <p>10. _____</p> <p>Prioritize</p> <ul style="list-style-type: none">• Identify• Discuss• Solve
Rocks for the Quarter	Who																	
1. _____	_____																	
2. _____	_____																	
3. _____	_____																	
4. _____	_____																	
5. _____	_____																	
6. _____	_____																	
7. _____	_____																	

Empowering Businesses Through Partnership

An Overview of MoveAmerica's
MPP-I and the DoD Mentor-
Protégé Program



Presented by:
Laial Beidoun
Client Services Lead



LinkedIn
[@moveamerica-org](https://www.linkedin.com/company/moveamerica-org)



Visit our website
moveamerica.org

MENTOR QUALIFICATIONS

New Mentor applications may be submitted to and approved by the OSBP of the cognizant Military Service or Defense Agency (if concurrently submitting a reimbursable agreement) or to the DoD OSBP office prior to the submission of an agreement.

SCAN FOR PORTAL



REQUIREMENTS:

1. *Must be a for-profit entity*
2. *Must be currently performing under at least one active approved subcontracting plan negotiated with DoD or another Federal agency pursuant to FAR 19.702*
3. *Must have DoD contracts totaling at least \$25M* in previous fiscal year*
4. *Is other than small entity (can be waived)*
5. *Must be a prime contractor with an active subcontracting plan or an 8(a) graduate with documentation of ability to serve as a Mentor*
6. *Must be eligible for award of a Federal contract*
7. *Must demonstrate:*
 - *Qualified ability to provide assistance*
 - *Good financial health and character*
 - *Not on debarred/suspended status*

PROTÉGÉ QUALIFICATIONS



To participate as a protégé, a small business must have less than half the size standard corresponding to its primary NAICS code and must not be owned or managed by individuals or entities that directly or indirectly have stock options or convertible securities in the mentor firm.

REQUIREMENTS:

- Small business concern owned and controlled by socially and economically disadvantaged individuals
- Business entity owned and controlled by an Indian tribe
- Business entity owned and controlled by a Native Hawaiian Organization
- Qualified organization employing severely disabled individuals
- Small business concern owned and controlled by women
- Small business concern owned and controlled by service-disabled veterans
- Qualified HUBZone small business concern
- Small business concern that is a nontraditional defense contractor
- Small business concern that currently provides goods or services in the private sector that are critical to enhancing the capabilities of the defense supplier base and fulfilling key Department of Defense needs

HOW TO PARTICIPATE IN MPP

1 **Establish a Counterpart**

Mentors and Protégés are solely responsible for finding their counterpart.

2 **Determine the Type of Agreement**

Decide what works best: Direct Reimbursed or Credit.

3 **Develop Agreement**

An assessment of the needs of a protégé, which includes measurable milestones, is recommended prior to the development of an agreement.

4 **Submit Agreement Proposal**

Developmental assistance should align with the protégé's strategic vision.

5 **Start Agreement**

Credit agreements start on the date they are approved. Directly reimbursed agreements start on the date funds are obligated to the contract.

6 **Submit Reporting and DCMA Review Requirements**

Semi-annual reports, annual DCMA performance reviews and protégé two-year-out reports are required for each DoD MPP agreement.

7 **Ask Questions**

Detailed MPP briefings are available by appointment.





CONTACT INFORMATION

NAME: Eliot Entwistle

TITLE: Sales Manager

PHONE: 586-344-9045

EMAIL: eenwistle@dugganmfg.com

WEBSITE: www.dugganmfg.com

LOW VOLUME AND PROTOTYPE MANUFACTURING CAPABILITIES

- **Metal Stamping**

- Over 60 hydraulic presses with tonnage ranges from 10 to 1200 tons.
- Hydraulic presses minimize tooling and move slower to prevent parts from ripping
- Materials: Stainless Steel, Boron Based Hot Stamping Grades, High Strength Low A

- **Deep Draw Stamping**

- Deep drawn parts occur when depth of the drawn part exceeds its diameter.
- This is an area of expertise for Duggan
- 24 cushion presses with up acting tonnage

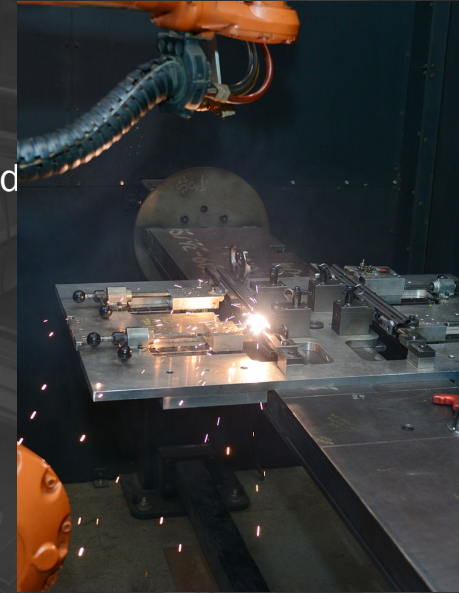
- **Press Brake**

- 5 press brakes up to 14 feet length bend capacity with tonnage up to 350 tons
- Duggan can bend small brackets, large rails, and everything in between
- Multiple brackets formed efficiently by bending 3-axis blanks with existing tooling
- Quickly add secondary tabs and features
- No tooling cost and short turnaround times



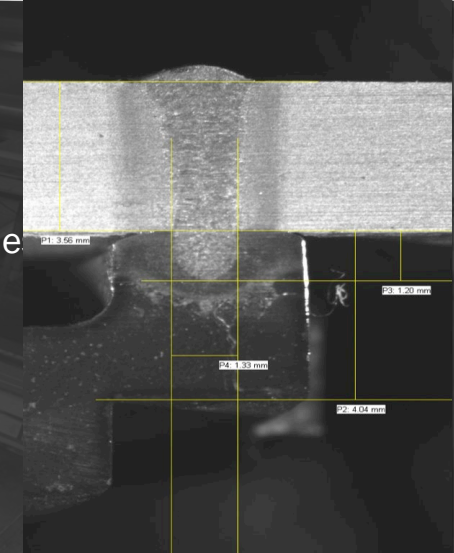
LOW VOLUME AND PROTOTYPE MANUFACTURING CAPABILITIES

- **MIG/TIG**
 - MIG - Manual and Robotic: Precision and increases efficiency & speed
 - 10+ Robotic MIG; 12 Manual
 - TIG: Manual process used for exotic metals
- **Resistance (Spot Welding)**
 - 5 Manual Resistance Welding: AC/DC Units
 - Trans Gun Unit & 2 Robotic Welding Cells
- **Remote Laser Welding**
 - Remote Fiber Laser Welding Cell: IPG fiber powered laser
 - Very little part distortion
 - Fast: Up to 120 welds per minute
- **Laser Cutting**
 - 3-Axis CO2 Laser
 - (3) 5-Axis Fiber laser trimming cells



LOW VOLUME AND PROTOTYPE MANUFACTURING CAPABILITIES

- Inspection
 - Hexagon CMM Inspection machine with 3D scanning capability
 - Fully accredited Metrology Lab with cut/etch & push/pull to destroy capabilities
- CARC Paint
 - 2 Paint Booths
 - Sandblasting and washing stations
 - Powdercoat Booth





CONTACT INFORMATION

NAME: Barb Land

TITLE: Executive Director

PHONE: 248-736-7537

EMAIL: barb@squareonenetwork.org

WEBSITE: www.squareonenetwork.org

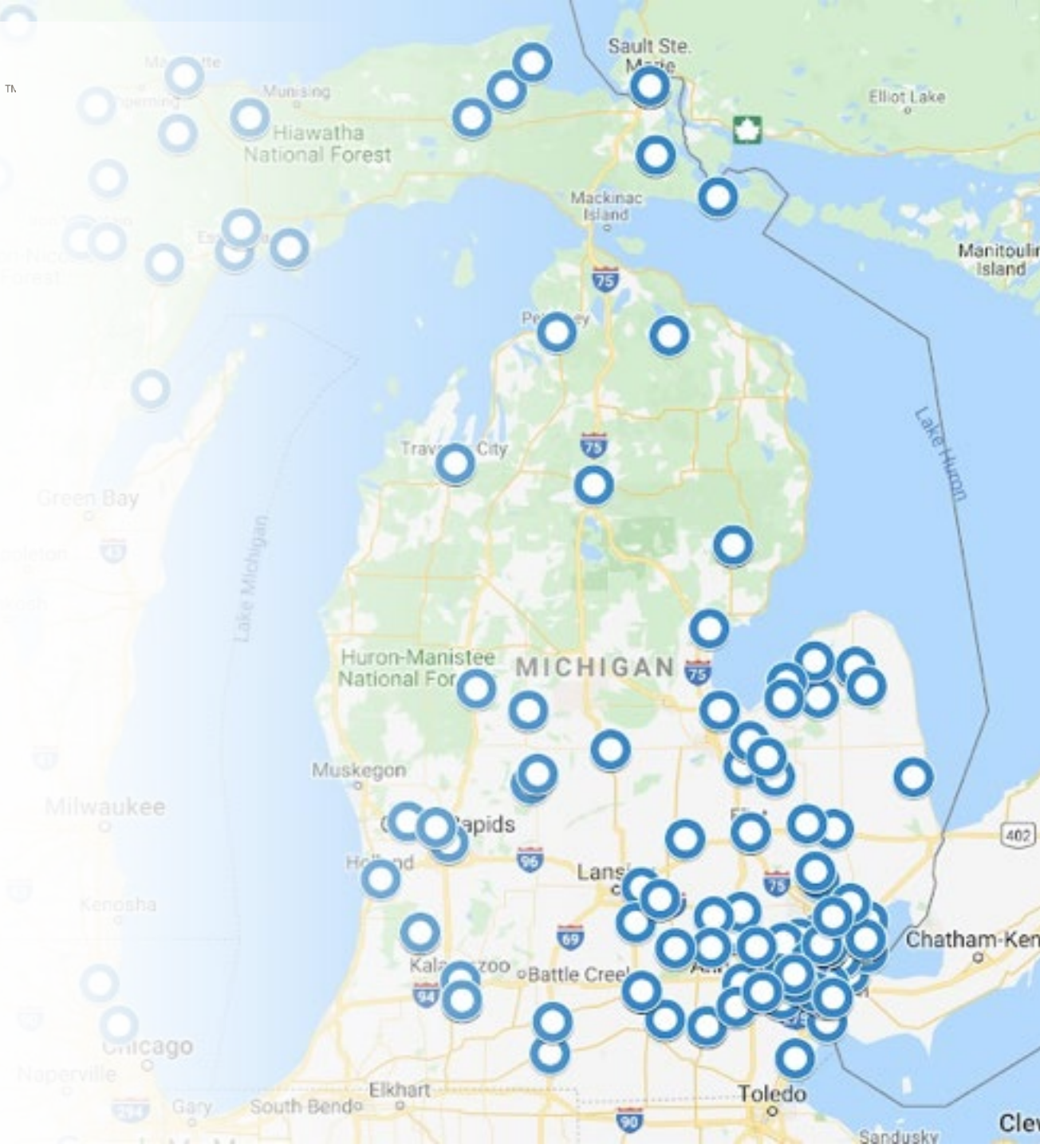


Square One Impact...

With the support of our industry partners, Square One...

- Has invested over \$9 Million in K-12 STEM Teachers and Students across Michigan
- Annually Invests \$350,000+ in STEM classroom equipment, teacher training and IVD performance challenges.
- Reaches 24,000 students and nearly 500 teachers in the Great Lakes Region annually.

On a Mission to develop the next generation technical workforce by empowering teachers with real world resources and engaging students in authentic hands-on, project-based learning



Square One Philosophy



Focused on Developing Talent for an Innovative Future Technical Workforce



Inspiring Students Toward Higher Learning and STEM Career Pathways

Projects don't have just one '**right**' answer

Projects are **authentic learning** experiences

Meaningful learning is not "one size fits all"



Building STEM Confidence and Competence in Teachers with Hands On Professional Learning

Square One Education Network

Innovative Vehicle Design (IVD) Competitions

Underwater IVD



Autonomous IVD



Drone IVD



Signature Series:

- Underwater IVD - 3rd-12th
- Autonomous IVD – 9th-12th
- Full Scale IVD – 9th-12th
- Mini IVD Racing – 6th-12th
- Drone IVD - 5-12th

Opportunities:

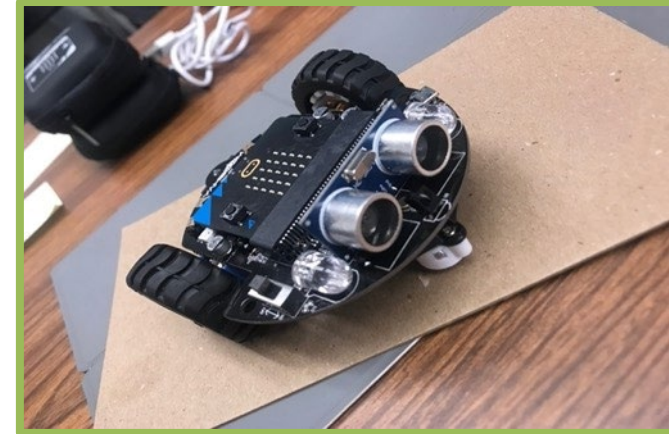
- Teacher training
- On-going technical support
- Experiential venues
- Scholarships/Digital badging

Emphasis on:

- Innovation and creativity
- Real world, relevant content
- Affordable and flexible
- Providing context for NGSS

Participation:

- Creates high impact learning that meets industry's workforce needs
- Offers tangible application of classroom concepts
- Builds a pipeline of new students through ambassadorships



Mini IVD Racing



Full Scale IVD Racing





NATIONAL ADVANCED MOBILITY CONSORTIUM

Closing & Networking

This Presentation is Unclassified



NAMC | Upcoming 2026 Events

- 20-22 Jan: International Armoured Vehicles Conference (Farnborough, UK)
- 23 Jan: Annual Women in Defense Gala (Bloomfield Hills, MI)
- 19 Mar: 2026 NAMC General Member Meeting (Washington DC)
- 12-14 May: Michigan Defense Expo 2026/Xponential 2026 (Detroit, MI)
- 10 Aug: 2026 NAMC Annual Member Meeting (Novi, MI)
- 11-13 Aug: GVSETS (Novi, MI)
- 12-14 Oct: AUSA 2026 (Washington DC)