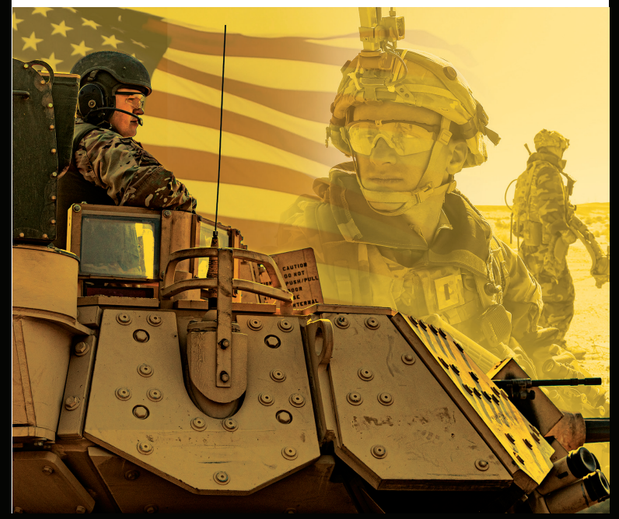

Accelerate delivery and sustainment of ground system capabilities to our partners ensuring overmatch for our Warfighters.

PARTNERSHIPS

As integration experts, we have been able to form strategic partnerships with industry, academia and other government agencies to combine the best talents, incubate the best ideas and accelerate the most innovative technology for Soldiers and Marines who fight for our Nation's interests.

Your organization can partner with GVSC. We employ several collaborative methods to engage depending upon stakeholder requirements. GVSC also has unique laboratory and testing apabilities and the expertise of our technicians, scientists and engineers.

Some examples are:

- Contracts - Reimbursable & FAR Contracts
- Cooperative Research and Development Agreement (CRADA)
- Small Business Innovation Research (SBIR)
- Test Service Agreements (TSAs)

STAY IN TOUCH

To start communications with GVSC go to our website or you might find us at the events listed below.
https://www.usarmygvsc.com

GVSC Industry Days

- Held in the Spring in Warren, Michigan
- https://www.usarmygvsc.com/events/

Other Army Partnering Opportunities

- xTech Search Program
- https://www.arl.army.mil/xtechsearch/indexIhtml

Conferences*

- AUSA Annual
  - Held in October, in Washington DC
  - https://meetings.ausa.org/annual/2022/
- NDIA Michigan Defense Exposition (MDEX)
  - Held in the Spring in Warren, Michigan
  - https://mdex-ndia.com/
- NDIA Ground Vehicle Systems Engineering & Technology Symposium (GVSETS)
  - Held in August, Novi, Michigan
  - http://www.ndia-mich.org/events/gvsets

*The sample conferences listed here are for informational purposes and are not an endorsement

https://www.usarmygvsc.com
U.S. ARMY Ground Vehicle Systems Center
6501 E. 11 Mile Road | RDTA | Warren, MI 48397-5000

GROUND VEHICLE SYSTEM CENTER (GVSC)

GVSC is the United States Army's laboratory for developing advanced military ground vehicle technologies, providing systems engineering and integration expertise that delivers unmatched ground vehicle solutions.

Headquartered at the Detroit Arsenal in Warren, Michigan, co-located with Next Generation Combat Vehicle Cross Functional Team (NGCV-CFT), U.S. Army Tank-automotive and Armaments Command (TACOM), Program Executive Office, Combat Support & Combat Service Support (PEO-CS&CSS) and Program Executive Office Ground Combat Systems (PEO GCS).

twitter.com/devcom_gvsc
dvidshub.net/unit/CCDC GroundVehicleSystemsC
facebook.com/devcom.gvsc/
linkedin.com/company/devcom-ground-vehicle-systems-center

GVSC brings technological knowledge, engineering expertise and integration knowhow to everything we do. People, processes, technology and knowledge together ensure the whole is greater than the parts. However, the parts are important; GVSC's structure has two halves: Research & Technology Integration and Systems Integration & Engineering. Each functional group within these halves provides specific capabilities to support the ground vehicle technology requirements of the Army.

GVSC'S core Science & Technology Focus Areas are:

Ground Vehicle Robotics & Autonomy

- Capabilities for Warfighters
- Open Source Operating System (ROS-M)
- Modular Software (RTK)
- Small to Large Platforms
- Sensors & Machine Vision
  - Military Use Cases
  - Sensor Hardening
  - Cognitive Load

Advanced Manufacturing

- Novel Structures
- Obsolescence
- Platform Scale Printing
- Standards & Qualification Methods

Power & Mobility

- Advanced Combat Engine & Transmission
- Hydrogen Fuel Cells & H2 Generation
- Hybrid Electric Drive Trains
- High Power Electronics
- Track and Suspension

Survivability and Protection

- Threat Sensing and Avoidance
- Active Avoidance
- Active Protection Systems (APS)
- Applique Armor Systems
- Interior Vehicle Components

Modeling, Simulation, and Prototyping

- Capabilities to Support S&T and Acquisition Decisions
- Enable Soldier Touchpoints early and often
  - (VEs and Virtual Soldier Operation Exercise)
- Vehicle-Level Integration & Test in Virtual Environment
- Virtual and Physical Prototypes
- Physics-Based Modeling and Simulation
- System Tradespace analysis

U.S.ARMY | DEVCOM GROUND VEHICLE SYSTEMS CENTER