

#### **Detection & Protection**

Superior armoring protects against ballistic threats while maintaining original appearance.



### **Energy & Communication Systems**

Upgraded energy and electrical systems and integrated communication tools support any mission requirement.



## Performance, Mobility, Reliability

Systems engineering approach combines complex requirements into fully integrated, highly operational vehicle solutions.



## **Durability & Serviceability**

Vehicle design and reinforcements extend lifespan while common platforms provide ease of service and repair.

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries. For more information, visit www.battelle.org.

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# **Battelle Retrofit Vehicles**

# BUILT TO SURVIVE

Expertly engineered on- and off-road vehicles mission-proven to perform when it matters most.





# Fully customizable armored and upgraded vehicles.

#### CHALLENGE:

Light, special-purpose armored and upgraded vehicles need to meet demanding requirements for protection, durability, and performance.

#### **SOLUTION:**

Battelle modifies "off-the-shelf" commercial vehicles to provide tailored ballistic protection and enhanced mobility in demanding environments. Using a true systems engineering approach, we combine protection, detection, communication and energy technologies into commercial platforms to provide our customers with fully integrated vehicle solutions.

#### WHY BATTELLE:

Battelle provides complex, integrated vehicle solutions to satisfy customers who operate in covert, high demand environments. We collaborate with our customers during design, testing and production to assure that their requirements are met. High quality, attention to detail, integrated design and durability are hallmarks of Battelle's vehicles—performance that has been proven in more than 300 fielded vehicles based on domestic and foreign platforms.

## Integrated protection. Superior performance.

#### **PROTECTION:**

- Fully integrated 360 degree crew protection with overlaps and returns
- Innovative designs and integration approach to minimize seams, welding and installation labor
- Operational windows with block-style transparent armor, allowing for emergency egress
- Fuel tank self-sealing ballistic coating

#### **DURABILITY:**

- Enhanced suspension and reinforced chassis to withstand harsh operating environments, increased vehicle weight and payload
- Underbody skid plates protect vulnerable areas
- Custom heavy-duty door hinges
- Reinforced OEM sheet metal in critical areas
- Armor design provides improved roll-over protection
- Reinforced front and rear bumpers

#### **PERFORMANCE:**

- Engine performance upgrades increase horsepower and torque
- Locking differentials and upgraded gearing for improved traction and acceleration
- Suspension systems designed, tuned and tested to improve both on-road handling and off-road mobility

- All-terrain tires and heavy duty wheels with run-flat and/or bead-lock technologies
- Single and dual high-output alternator with 12 and 28 volt options
- High-idle kit for increased alternator output while stationary
- Extended range with high-capacity fuel tank

#### **OTHER FEATURES:**

- Integration of communications and other electronics equipment
- Provisions to mount and power basket-winch to front or rear bumper for vehicle recovery
- Tow provisions and aircraft tie-downs
- High capacity roof rack
- 110VAC and 12VDC power outlets throughout vehicle
- Keyless entry
- Dual battery isolator and emergency start circuits
- Blackout switch for easy transition from overt lights to IR lights
- IR headlights, tail lights and brake lights

#### **QUALITY:**

- ISO 9001:2015
- Armor traceability