

# Optionally Manned Fighting Vehicle (OMFV)

BAE Systems' purpose-built, next-generation combat vehicle will meet the Army's OMFV program needs for agility, lethality and survivability.



## Quick facts

- Two Soldier crew
- 1070 horsepower engine
- 44 mph max speed
- Acceleration: 0-30 mph in 10.5 seconds
- Proven hybrid electric drive
- Multi-mission missile launcher with TOW missile baseline
- Equipped with a 50mm unmanned turret with 3rd generation FLIR sights
- Digital architecture to enable artificial intelligence systems and unmanned operations

## Additional information:

**Series hybrid electric drive:** Our OMFV offering leverages our 40 years of experience in hybrid electric vehicles. BAE Systems' OMFV uses series hybrid technology, allowing for far greater range, silent watch and silent drive over parallel hybrid vehicles. Our hybrid electric drive already has more than 500 miles of testing on an infantry fighting vehicle.

## Modular Open Systems Architecture:

The BAE Systems OMFV offering is built with an open systems architecture that will allow future systems to be easily integrated onto the vehicle in the future. As threats evolve, our OMFV will adapt.

**Excess onboard power:** Our vehicle is designed with kilowatts of excess onboard power to provide power to future weapons systems.

**Composite rubber tracks:** These innovative tracks drastically reduce noise, further augmenting the vehicle's silent watch and silent drive capabilities.

**Aided Target Recognition:** Integrates the Army's Advanced Targeting and Lethality Aided System to provide Soldiers with AI-based smart image processing to automatically detect and recognize threats, reducing cognitive burden.

**Digital architecture:** The digital architecture enables the two-person crew and postures the vehicle for future unmanned operations.

**Virtual Crew:** The Virtual Crew capability leverages artificial intelligence to automate gunnery tasks to reduce cognitive load.

**Significant manufacturing investment:** BAE Systems has invested \$200 million in our manufacturing capabilities across our industrial network, which will benefit OMFV. We've also invested \$10 million in digital engineering capabilities.

Agile. Lethal. Survivable.

BAE Systems, Inc.  
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# OMFV

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