



LIGHT COMBAT TACTICAL VEHICLE

# LCTV DEMONSTRATOR



**A New Concept In Light Combat  
Tactical Vehicle Solutions.  
Oshkosh Defense® LCTV Demonstrator.**

Combat-tested and battle-proven technologies have led Oshkosh Defense to create lighter, faster, more reactive light-duty vehicle options.

The next generation TAK-4® independent suspension system\* is optimized to take mobility and safety to unprecedented heights. All components work together to make a lighter weight, extremely durable driveline solution to overcome even the most severe terrain. The ProPulse® diesel-electric hybrid system, already on the Oshkosh® MTVR, uses a modular arrangement to simplify the transmission of power to the wheels, which significantly increases fuel economy and dramatically reduces life-cycle costs. Together, TAK-4 suspension and ProPulse technology allow for the inclusion of armor configurations never before available on a light vehicle – battle-tested armor that provides consistent, survivable crew protection.

Oshkosh employs superior technologies to advance the light-duty vehicle profile, for missions that take military personnel over the harshest terrain and call for the quickest, most versatile response. For extreme maneuverability, reliability and safety in the light-duty arena, Oshkosh performs.

\*PATENT PENDING

INNOVATION DRIVES FORWARD.

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### ProPulse® Diesel-Electric Hybrid System

- Diesel engine powers a large electric generator which distributes power to each axle module
- Each axle module is driven independently by a dedicated motor controlled from its own power converter, thus providing redundancy
- 70 kW of on-board and export power capability as a kit
- Greater versatility and efficiency
- Greater fuel economy
- Reduced emissions

### Next Generation TAK-4® Independent Suspension System\*

- Suspension can be raised and lowered to meet transportability requirements via interior controls
- Single reduction axle – no hub reduction
- Future objective levels of off-road performance targeted
- High-performance disc brake solutions

### Armor Configurations

- Mature, effective, battle-tested
- Protection from underbelly blasts
- Greater crew protection and survivability



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