

Kinetics LSS

Fully integrated, Comprehensive Life Support Systems
For Military Vehicles



Kinetics Life Support Systems (LSS)

The Kinetics LSS is an integrated comprehensive and fully customizable solution providing a broad range of Life Support Systems to Armored Fighting Vehicles.

- NBC/CBRN Protection
- NBC/CBRN Detection
- HVAC (Heating, Ventilation and Air-Conditioning)
- Auxiliary Power
- Fire Suppression

Leveraging more than three decades of experience, the Kinetics LSS has been adapted as standard equipment on a wide range of military platforms and is in service worldwide.

Elbit Systems

Kinetics

Kinetics LSS

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Kinetics NBC/CBRN Protection

The Kinetics LSS provides ultimate NBC protection in three protection modes as well as ventilation to the cabin and crew during peacetime:

- Overpressure Protection: Crew cabin is pressurized with filtered air
- Collective Facemask Protection: Filtered (and conditioned) air is transmitted to the NBC facemasks of the crew
- Hybrid Protection: Combined Overpressure and Collective Facemasks Protection

Kinetics HVAC - Heating, Ventilation and Air Conditioning

The Kinetics HVAC provides:

- Powerful cooling, heating and dehumidification of the crew cabin
- Cooling and heating of the filtered air delivered to the NBC/CBRN Facemasks
- Delivery of dust-free and conditioned fresh-air to the crew cabin in non-NBC/CBRN mode

Kinetics Auxiliary Power Unit (APU)

The Kinetics LSS can be powered by the platform engine or it can be self-propelled when it is integrated with the APU. The APU consists of an independent Diesel Engine driving a Generator and the A/C Compressor. The Kinetics APU provides all of the required power to the LSS. In addition, when operating in Silent Mode, it provides the power required for battery charging and operation of other onboard (or off-board) equipment. The Kinetics APU also enables operation with minimal noise and thermal signatures.



Elbit Systems Kinetics.

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