

# Kinetics APU

Powering the modern fighting vehicle, delivering significant operational benefits and reducing the life cycle costs.



Delivering a broad range of operational benefits to the modern fighting force, the Kinetics Auxiliary Power Unit (APU) is fast becoming a critical component in both new and upgraded main battle tanks (MBT) and armored fighting vehicles (AFV) for the following reasons:

- Silent mode operations - reduces noise and thermal signatures
- Increased power supply - supplies the power requirements of sophisticated electronic equipment, that are beyond the platform's power generation capabilities
- Lower maintenance - decreases logistics and operational costs, ensuring fast return on the investment
- Improved crew performance - reduces crew fatigue by lessening their exposure to noise, heat and vibrations from the main engine

**Elbit Systems**

*Kinetics*

# Kinetics APU

Powering the modern fighting vehicle, delivering significant operational benefits and reducing the life cycle costs.

Kinetics has developed and deployed a wide range of Auxiliary Power Units (APUs) for external and internal installation on military vehicles. The Kinetics APU can be provided as a standalone system or integrated with the Kinetics Life Support System (Kinetics LSS-APU). The combined systems provide NBC/CBRN protection along with Heating, Ventilation and Air-Conditioning (HVAC).

## Main features

- Wide range of output power and voltage
- Co-Generation Mode - operation in parallel with the main platform generator
- Optional hydraulic output, compressor drive and/or PTO
- Exceptional performance even in extreme temperatures and high altitudes
- Designed for heavy duty automotive operation
- Designed for operation in heavy dust conditions
- Fully integrated with the vehicle fuel and control systems
- Operational while the vehicle is stationary or in motion
- Compact design

## Key Operational Benefits

- Enables silent mode operation
- Lowers thermal signature
- Reduces crew fatigue
- Operates at high altitudes and temperatures
- Reduces life cycle cost
- Decreases fuel costs
- Increases vehicle reliability

## Key Features

- Military qualified
- Field-proven
- Heavy duty automotive
- Withstands heavy dust
- Cogeneration mode
- Powers external equipment



### Elbit Systems Kinetics.

5 Ha'golan St. Airport City, P.O.Box 50, Ben-Gurion Airport, 79100 Israel  
E-mail: [kinetics@elbitsystems.com](mailto:kinetics@elbitsystems.com) [www.elbitsystems.com](http://www.elbitsystems.com)

Follow us on  