

Kinetics ICECS

Kinetics Individual Crew and Equipment Cooling System
Optimal Crew Performance in Extreme Conditions



Kinetics ICECS was developed to provide crew and equipment cooling for special applications. The system's air-conditioner provides cooled and dried air to Air-Cooled Overalls or Air-Cooled Vests. In addition, spot cooling may be provided for specific equipment.

The Kinetics-ICECS can be provided as a standalone solution or as part of a comprehensive Life Support System (Kinetics-LSS) while integrated with AEP-54 compliant NBC/CBRN Protection & Detection System (Kinetics-NBCS) & Automatic Fire Suppression System (Kinetics-AFSS).

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Kinetics ICECS is an ideal solution in special applications

- Main Battle Tanks (MBT), Self-Propelled Howitzers (SPH), Helicopters and other platforms with several crewmen and platform constraints (power, open hatches, etc.) which prevent effective cabin cooling.
- Special Application Vehicles (e.g. Command Post, Reconnaissance, Electronic Warfare, Police Mission, etc.) where crew and equipment must be optimally cooled even with the vehicle ramp and/or hatches open.
- NBC Reconnaissance Vehicles where crew can be optimally cooled and protected with the unique NBC/CBRN Air-Cooled Overalls.

There are three types of Air-Cooled Overalls or Vests (ACO/V)

- Regular / Fire-Resistant Air-Cooled Overall
- NBC Protected Air-Cooled Overall
- Air-Cooled Compact Vest (worn under regular shirt or overall)

Kinetics ICECS main features

- The system is fully Military Qualified and in service world wide
- Energy savings of up to 70% compared with cabin cooling
- User-friendly interface enables maximum comfort and simple operation
- Maximum cooling performance achieved even when the vehicle is open
- Cooled Air supply to NBC Protected Overalls and NBC Facemask
- Maintenance-Free System with Self-Cleaning Heat Exchangers
- Optional Power Management to optimize power consumption



Elbit Systems Kinetics.

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