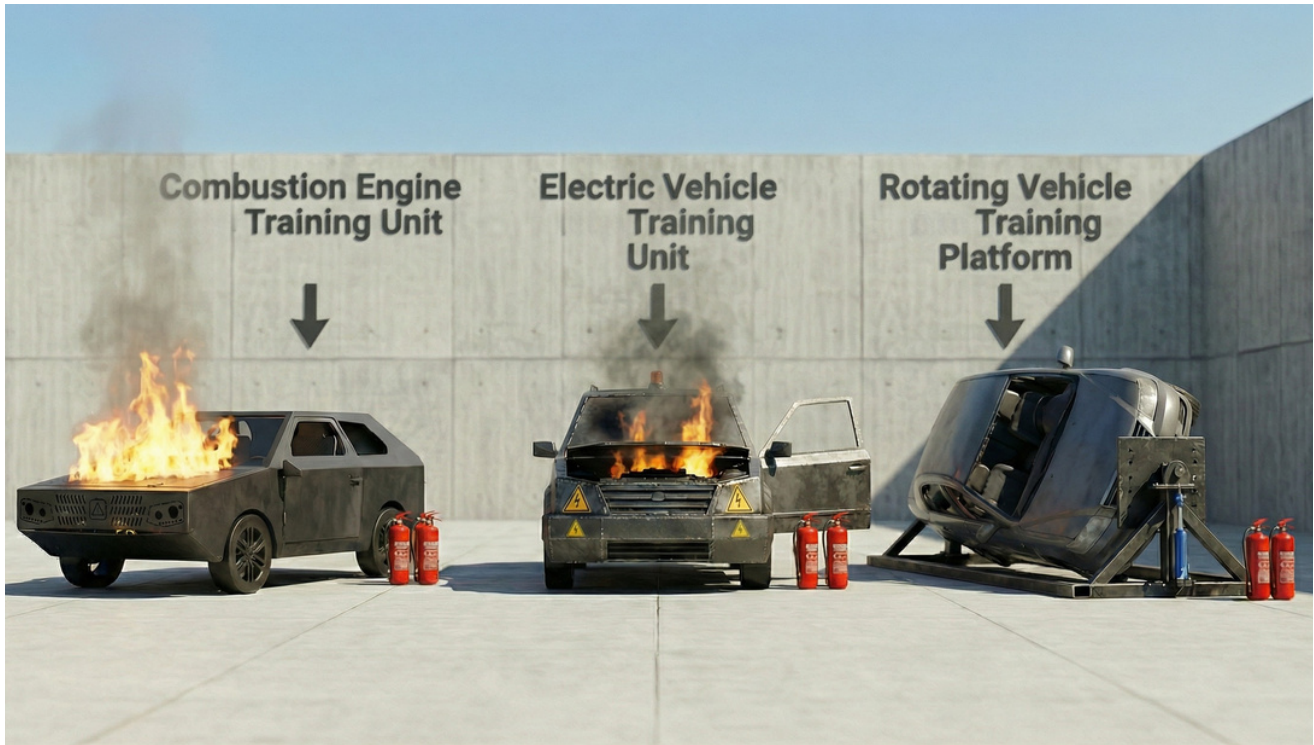


Arete Conventional & EV Vehicle Trainers are engineered to provide realistic, safe, and repeatable training scenarios that prepare responders for the evolving challenges of vehicle incidents. From standard road traffic collisions to high-voltage EV battery emergencies, our systems deliver unmatched realism without compromising safety.



KEY FEATURES

- ✓ Conventional & EV vehicle configurations
- ✓ Replaceable structural components
- ✓ Hydraulic tool-compatible design
- ✓ Controlled fire and smoke simulation
- ✓ High-voltage system training modules
- ✓ Modular construction
- ✓ Mobile or permanent installation options
- ✓ Double-level integrated safety system
- ✓ Durable welded steel framework



TRAIN FOR REAL-WORLD VEHICLE INCIDENTS

Our training platforms allow emergency teams to practice:

Conventional Vehicle Scenarios:

- Road traffic collisions (RTC)
 - Vehicle stabilization procedures
 - Hydraulic cutting and spreading operations
 - Fuel leakage control
 - Engine compartment fire suppression
 - Passenger extrication techniques
-



ELECTRIC VEHICLE (EV) SCENARIOS:

- Identification of high-voltage components
- Response to battery fires
- Battery extinguishing procedures
- Prevention of re-ignition
- Safe vehicle shutdown
- Post-collision procedures

The training simulator uses a controlled fire simulation system, ensuring realistic and safe training.



SAFE EV BATTERY SIMULATION

The training simulator uses a dedicated simulation system that realistically replicates battery behavior during a fire.

- Simulated battery module
- Controlled fire development
- Re-ignition effect simulation
- Smoke and heat simulation

Training is conducted without the use of real high-voltage batteries, ensuring a high level of safety and allowing for repeated training sessions.

INTELLIGENT CONTROL SYSTEM

Every trainer can be equipped with the Arete intelligent control platform, enabling:

- Scenario activation and monitoring
- Fire and smoke simulation control
- Electrical hazard simulation management
- Emergency shutdown protocols
- Operator control via desktop or tablet interface

The system guarantees maximum training realism with complete operational safety.

SAFETY WITHOUT COMPROMISE

Vehicle and EV incidents involve multiple hazards — mechanical, electrical, thermal, and chemical. Arete trainers integrate:

- Automated shutdown systems
- Sensor-based monitoring
- Controlled fuel and smoke systems
- Secure high-voltage simulation architecture
- Operator override functionality

Every training session is fully controlled and monitored.



Conventional & EV Vehicle Trainers

Professional Firefighter Training Simulators

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Vehicle Type	ICE & Electric Vehicle Platforms
Structural Frame	Robust Welded Steel
Tool Compatibility	Hydraulic & Manual Rescue Tools
Fire Simulation	Controlled Gas or Liquid Fuel System
EV Simulation	High-Voltage System Simulation (Safe Mode)
Control Interface	Manual Panel + PC/Tablet
Power Supply	220V / 230V, 50Hz
Operating Temperature	-25°C to +60°C
Safety System	Double-Level Protection with Emergency Shutdown
Customization	Dimensions & Functional Modules on Request

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CERTIFICATION & COMPLIANCE

Manufactured in accordance with applicable international standards and safety regulations.
Available documentation includes:

- CE conformity (where applicable)
- Electrical safety compliance
- Structural and material certifications
- Industrial safety documentation
- Factory Acceptance Testing (FAT)

Systems can be adapted to comply with local regulatory frameworks.

APPLICATION AREAS

- Fire & Rescue Services
- Emergency Medical Services
- Technical Rescue Teams
- Fire Academies
- Civil Protection Agencies
- Automotive Safety Training Centers
- Military & Specialized Units

WHY ARETE

As vehicle technologies evolve, training must evolve with them.

Arete delivers future-ready training systems that prepare responders for both conventional and electric vehicle emergencies — safely, realistically, and professionally.