International Fire Training Centre

Electric Vehicle Responder Training

2 Day Awareness, Education and Practical exercises

Learn how to safely respond to and gain an understanding of the different tactical suppression options available when facing an EV emergency, appreciating the pros and cons of each.

Experience a simulated EV fire using a real LPG burn in a controlled environment. The unique EV Fire Simulator has been designed and engineered to facilitate multiple scenarios to enhance the training opportunity enabling effective, repeatable training of fire containment/suppression tactics for electric vehicle and traction battery fires.

Course Overview

The International Fire Training Centre has partnered with FireWiseUK Learning Academy and Bridgehill Vehicle Fire Blankets to bring the UK's first Electric Vehicle (EV) fire training course to include Electric Vehicle thermal runaway and live fire simulation.

Instructor Martin Lown, of FireWiseUK, served in the UK Fire and Rescue Service for 30 years and is a trained, qualified and experienced Fire Scene Investigator, specialising in Vehicle Fire Investigation and AFV/EVs, teaching internationally. The EV Responder course is aligned to the IMI National Occupational Standards EV02a & EV02b for Electric Vehicle Response.

Day One Education and awareness, responder safety.

Day Two Observation of, or participation in, practical exercises – according to role of delegates.

Featuring

- **Multi-function fire and thermal runaway effects** - Maximise the training scenarios, getting best value and learning experience.
- **Exceptional FireWare burn equipment and smoke generator** - Ensures realistic thermal runaway fire behaviour.
- **LPG** fuelled fire effects with **realistic vapour and sound fire effects** - Adds to the realism.
- **Instructor controlled** - Allows escalation or de-escalation based on crews firefighting effectiveness.
- **`Making Safer'** using the IAIIM protocol, whilst working around damaged EVs.
- **Casualty extraction** and handling practice - For hands-on learning.

Typical scenarios include

- Standard car fire (in rear or passenger compartment) for fire attack with hoses.
- Hybrid Electric Vehicle (HEV) battery fire in rear of car.
- 'Off gassing' of vapour from underside of car and optional inside passenger compartment & simulating the emerging risk of vapours filling the car internally and Confined Vapour Cloud Explosion (CVCE).
- Electric Vehicle (EV) traction battery fire under the vehicle with directional flaming & under the chassis cooling.
- Fire blanket application.

Objective

Provide awareness and understanding with elements of practical experience to firefighters and first responders likely to face an EV/Lithium-ion involved fire emergency.

Get in touch to book your place

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