

# **ELECTRIC VEHICLE**

## **FIRE RESPONSE TACTICS**

IN AUSTRALIA



### **Understanding EV Fire Hazards**

- Identify hazards of lithium-ion batteries and high-voltage systems
- Prepare for thermal runaway, reignition, and toxic smoke
- Contain runoff to protect soil and waterways



### **Planning & Coordination**

- Update training on EV fires and battery risks
- Coordinate with police, ambulance, and SES
- Carry EV emergency response guides/manuals



### **On-Scene Safeguards**

- Establish a safe perimeter and wear full PPE and breathing apparatus
- Avoid damaged wiring and isolate high-voltage battery if possible
- Use a thermal imaging camera to detect hotspots



### **Extinguishing Methods**

- Apply large amounts of water to cool battery cells
- Be ready for reignition hours or days later
- Follow Australian standards for appropriate extinguishing media

