

Lithium-Ion (Li-Ion) based Electric Vehicle (EV)  
Policy and Enforcement. Need added emphasis on **SAFETY**

**Manufacturing Safety:**

1. Li-Ion Cell Quality, Defect Analysis
2. Battery Packaging, Electrical Harness, Waterproofing
3. Battery/Station/Vehicle Thermal Design and Monitoring
4. Automated Fire Suppression
5. Employee Training in Li-Ion Fires
6. Fire Department Inspection
7. Ethical Reporting of Incidents
8. Charging and/or Swapping Station High Voltage and High Power Safety, Earthing, Waterproofing
9. Vehicle (Bus) High Voltage Safety

**Disposal Safety:**

1. Post Life Toxic Waste Disposal
2. Life-Cycle Tracking of each Cell and Ethical Reporting

**Consumer Automotive Safety:**

1. Training in Do's and Don't for Li-Ion Fires
2. Crash Protection and Evacuation
3. Automated Fire Suppression
4. Ethical Reporting of Incidents
5. Proactive Monitoring
6. Standardized Vehicle Fire Tests
7. Earthing, Waterproofing

**Consumer Second-Life Usage Safety:**

1. Post Automotive Li-Ion Cell Quality for Battery Storage Uses
2. Proactive Monitoring for Degradation
3. Automated Fire Suppression