



Practical Considerations for Fire Management of Lithium-Ion Batteries

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Energy Density, Risk, Training and Fire Fighting Strategy

- How much energy may be released and what will it do to its surroundings ?
- How will the Incident Commander determine the appropriate tactics ?



Information on Entry

- Appropriate Signage
- Central Risk Register (CRR) notifications



Containment, Prevention of Fire Spread and Segregation

- Batteries will undergo incandive failure
- How can the energy release from the failure be contained.....in all buildings ?
- Limitation of domino effects



Fire Fighting Media

- Its not enough to put the fire out once
- Continual cooling might be required
- Water, CO2 & Electrical installations



Isolation

- As with solar panels being continually energised, is the installation easy to switch off in an obvious and robust way even if the batteries are not directly involved.



Future Proofing

- Ever Increasing energy density
- Automated Fire Fighting Systems



Any Questions

