

## CONSULTATION FEEDBACK

Thank you to all who attended our consultation at Kilwinning Library on the 13th June 2024, we have taken the opportunity to summarise the feedback received and have provided responses. Many comments received were expressions of concern in relation to fire risk.

**Comment: “I am apprehensive about the development of another battery recycling plant in Kilwinning given the recent fire at the battery recycling plant in the area”**

**Response:** The proposals subject to this public consultation are not for battery recycling but for the development of a battery energy storage system to support the electricity network. Battery recycling activities will not be permitted at the site. At the end of life of the batteries, they will be removed from the development site for recycling and disposal at a different location operated by an independent authorised third party.

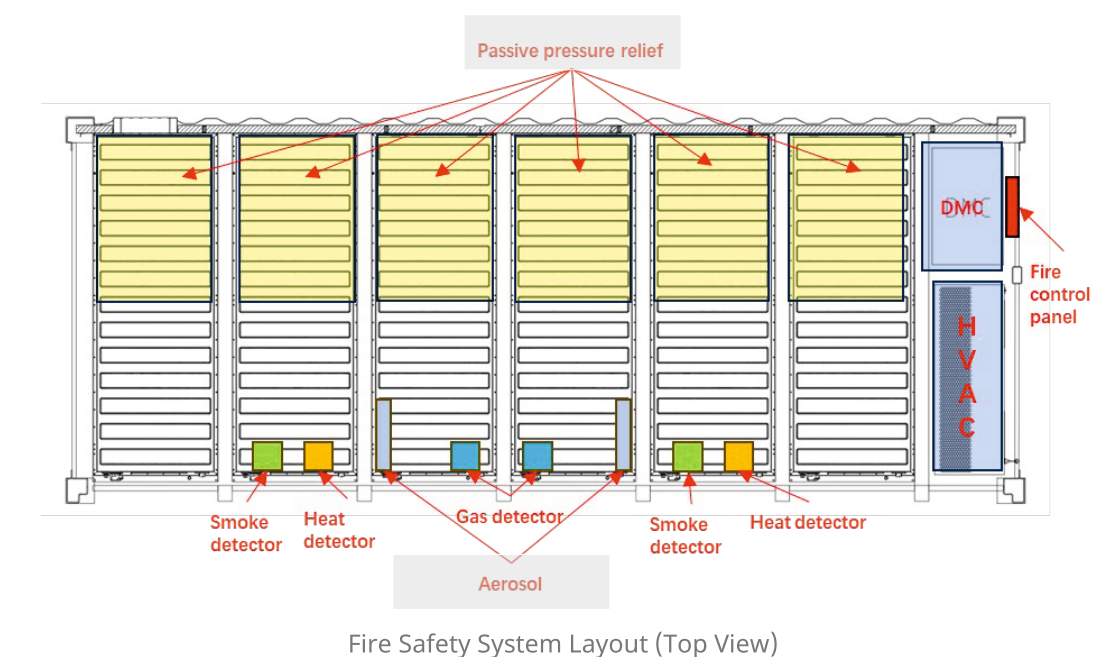
**Comment: “What fire safety measures are incorporated into the proposed development to ensure fire risk is minimised”**

**Response:** Fire safety measures are at the heart of the design of the proposed development. For example:

- The equipment will be laid out and the site designed in accordance with manufacturers and insurers’ safety requirements, having regard to guidance from the National Fire Chiefs Council to Fire and Rescue Services published in 2022.
- The equipment selected will conform to the latest UK and international fire and safety standards including BS EN IEC 62933; UL9540; IEC62619; NFPA855; and UN38.3.
- During ordinary operation, there is continuous monitoring of batteries’ temperature, state of charge and physical characteristics, with automatic shutdown systems if there are any anomalies.

• The equipment is supplied with:

- ◆ integrated, multi-level fire detection, with integrated emergency response
- ◆ incident prevention with gas detection and active ventilation system;
- ◆ 24-hour CCTV and fire monitoring in the UK for immediate raising of alarm with local emergency services.



Indicative Diagram showing some of the integrated fire safety features in a battery storage system

## CONSULTATION FEEDBACK

Thank you to all who attended out consultation at Kilwinning Library on the 13th June 2024, we have taken the opportunity to summarise the feedback received and have provided responses. Many comments received were expressions of concern in relation to fire risk.

### Comment: “Are you able to provide any independent research in relation to the fire safety record of battery energy storage facilities?”

**Response: Yes**

See:



1. Electric Power Research Institute, October 2023 - “Technology Innovation Spotlight: Lithium Ion Battery Fires in the News”

Scan the QR code using your phone's camera for a direct link to this document

2. House of Commons Library Research Briefing, April 2024 - “Battery Energy Storage Systems”



Scan the QR code using your phone's camera for a direct link to this document



3. Electric Power Research Institute, May 2024 - “Insights from EPRI’s Battery Energy Storage Systems (BESS) Failure Incident Database”

Scan the QR code using your phone's camera for a direct link to this document

As far as we are aware, there has only been one fire incident at a Battery Energy Storage System in the United Kingdom, at Carnegie Road in Liverpool in 2020. According to HM Government’s Renewable Energy Planning Database there are currently 113 operational large-scale battery energy storage systems in the United Kingdom.



Scan the QR code using your phone's camera for a direct link to this document