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Lithium-ion battery incident reporting

The proliferation of lithium-ion batteries and the products that run on them has resulted in an exponential increase in incidents resulting in injuries and fatalities.

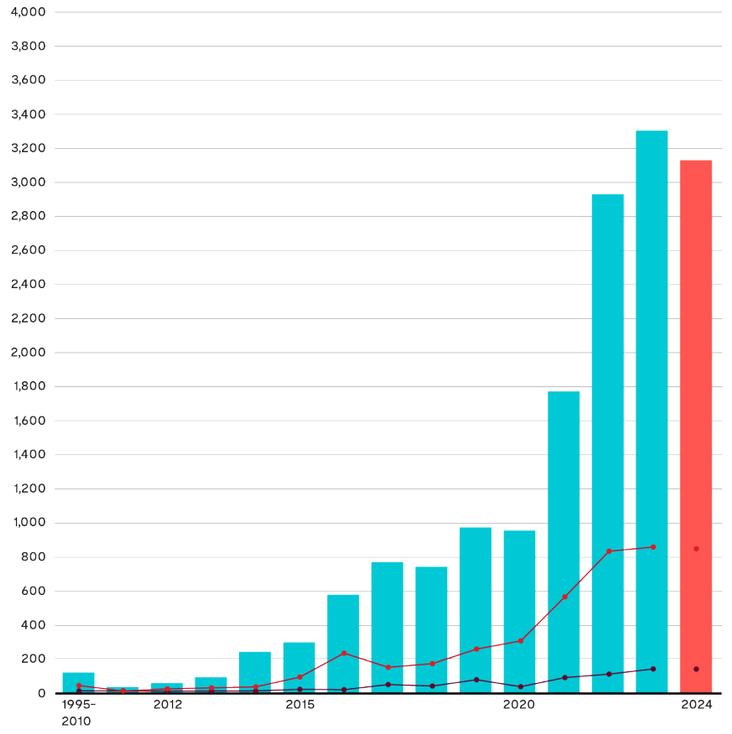
15,949
total incidents

3,126
incidents in 2024 to date

Knowledge is power

Tracking and transparent reporting of battery-related incidents — including product type, what happened and the impact — is critical to helping drive understanding of this technology and where the greatest risks exist.

Increase in total incidents over time



Total over time: 4,417 | 646

2024 incidents are incomplete, with additional reports anticipated through Q4.

Total incidents reported for each category

(1995-2024 YTD)

CONSUMER PRODUCTS

2,178 total injuries | 199 total fatalities

ELECTRIC VEHICLES (>20MPH)

192 total injuries | 103 total fatalities

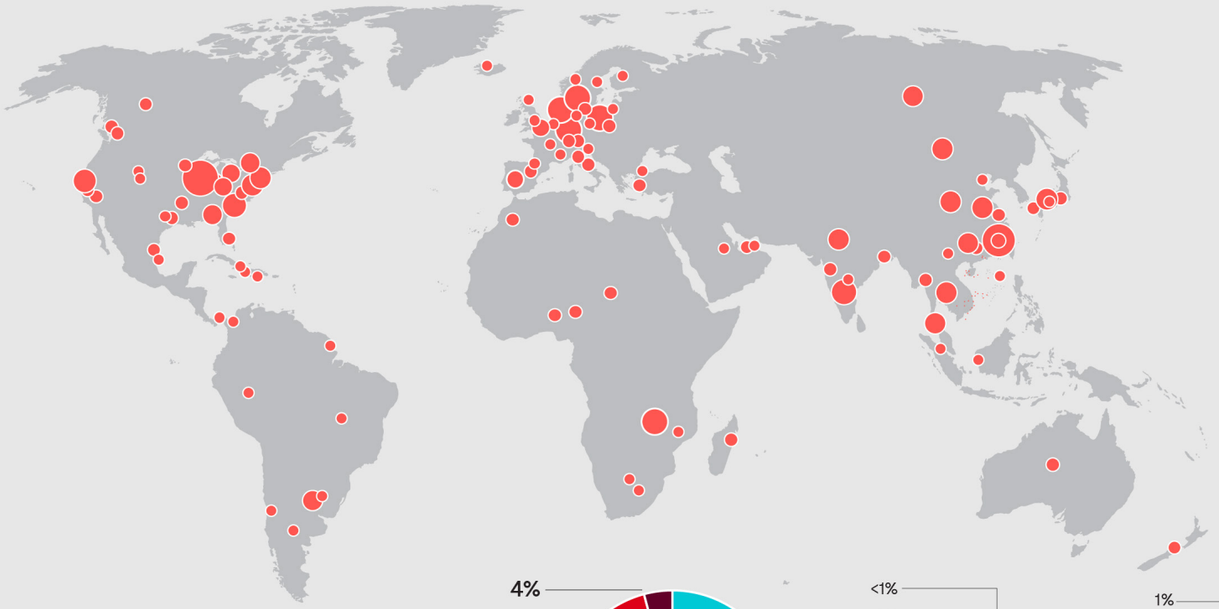
MICRO-MOBILITY DEVICES (<20MPH)

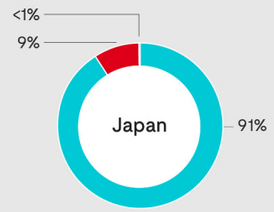
1,982 total injuries | 340 total fatalities

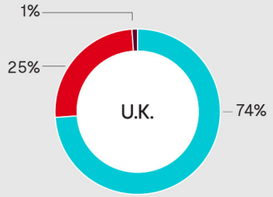
ENERGY STORAGE SYSTEMS

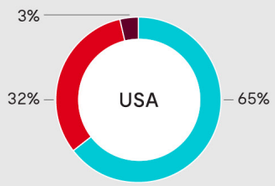
65 total injuries | 4 total fatalities

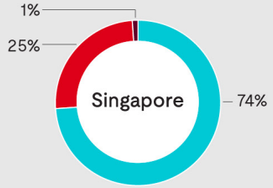
Incidents reported by country

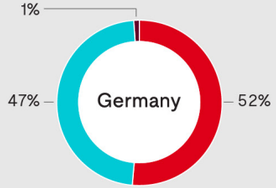


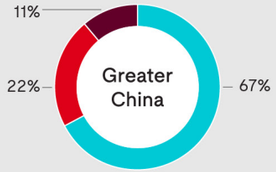












Incident awareness and analysis

Reporting is critical to understanding the depth and nature of this challenge. With limited visibility into battery incidents globally, we know this data is just the beginning – there are many more incidents occurring than are being reported. Some countries release bulk estimates rather than individual data points. Others, like Japan, provide weekly data points through the National Institute of Technology and Evaluation.

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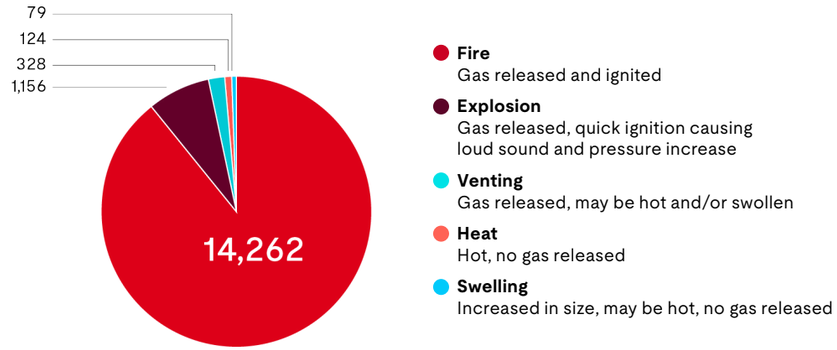
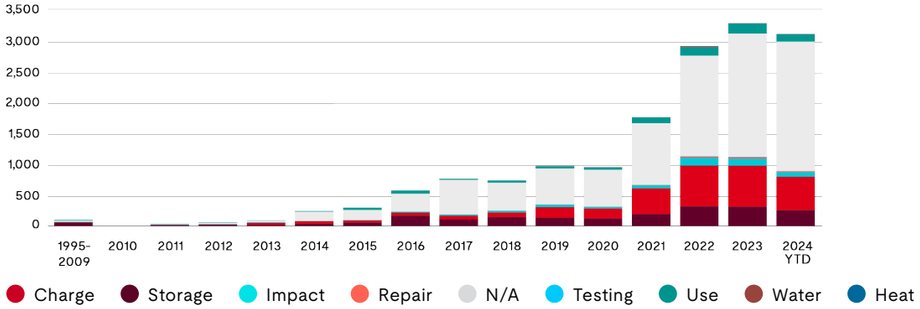
Injuries · Fatalities · Other incidents

Reported incidents by type



Incidents over time by battery status



Total incidents by data source