

Batteries of the future will need to supply more energy. To make this happen, new materials and new concepts are required for alternative battery chemistries, such as lithium-sulfur and potassium-ion.

Competitive advantage

- Flexible materials development capacity
- Ability to work with and examine a range of battery chemistries
- Full structural, spectroscopic and electrochemical characterisation

Impact

• The next generation of batteries, providing a step change to current technology.

Successful applications

Development of new cathodes for lithium-sulfur batteries and potassium-ion batteries.

Capabilities and facilities

- Materials synthesis
- Access to key analytical techniques such as solid-state NMR, operando X-ray and neutron diffraction, surface analysis, and electron microscopy

More Information

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