

# News story: New battery technologies for electric vehicles: apply for funding

Brill Power battery packs, taken at Innovate 2017. By Adam Gasson.

Innovate UK has up to £25 million to invest in new automotive battery technologies that help to build the vehicle battery supply chain in the UK.

## **Supporting the Industrial Strategy**

This funding is the latest in government's Industrial Strategy Challenge Fund [Faraday Battery Challenge](#).

The Faraday Battery Challenge is a £246 million investment over 4 years. It will support the development of safe, cost-effective, durable, lighter weight, high-performing and recyclable batteries in the UK.

It forms part of government's Sector Deal with the automotive industry. This is a joint commitment to work together and invest in areas of UK strength, including connected and autonomous vehicles, battery technology and ultra-low and zero emission vehicles.

## **Aim is to make UK a global leader**

Batteries for future electric vehicles are seen as a major opportunity for UK businesses.

Projects in this competition must support the challenge's aim to make the UK a global leader in the design, development and manufacture of batteries.

Areas that could attract funding include:

- cost reduction at the cell and pack level
- increasing energy and power density
- eliminating thermal runaway risks for enhanced safety
- lengthening cell and pack life
- broadening the temperature ranges that a pack efficiently operates at
- new models to better predict range and battery health
- improving recyclability
- innovation in cell, module and pack production
- integration of cells into modules, packs and vehicles
- battery management systems
- enabling fast charging
- projects that stimulate and broaden innovation in the manufacture, performance and supply of materials

## **Competition information**

There are 2 competitions. Up to £23 million is available for collaborative research and development. A further £2 million is available for feasibility studies.

- the competitions open on 22 January 2018, and the deadline is 28 March 2018
- briefing events will be held in London, Newcastle and Cardiff throughout January and February

## **Research and development**

- projects must be led by a business or a research and technology organisation
- businesses must work with at least one SME. Research and technology organisations must work with at least 2 partners, including one SME
- we expect projects to range in size from £500,000 to £15 million and to last up to 30 months
- businesses could attract up to 70% of their project costs

## **Feasibility studies**

- projects must be led by a business or a research and technology organisation
- businesses must work with at least one SME. Research and technology organisations must work with at least 2 partners, including one SME
- we expect projects to range in size from £100,000 to £500,000 and to last between 3 and 12 months
- businesses could attract up to 70% of their project costs