FBC Battery Manufacturing Training Initiative Competition

Applicant briefing
Date: **9 March 2023**

**The webinar will start at 10:30.**

- We are currently on mute, whilst waiting for more people to join
- Please ensure that you are dialled in, either by computer or phone, so that you can hear
  the briefing.
- If you have any audio issues, please dial in from a fixed line.
- The briefing will be recorded and available for you
Agenda

10.30 Welcome and Introductions, Neelam Mughal, IUK KTN

10.40 Introduction to Faraday Battery Challenge, Dr Jennifer Channell, IUK

10:55 Competition Scope, Diogo Vieira Carvalho, IUK

11.15 How to apply, Yvette Willis, IUK

11.40 Q&A

12.00 Close
About Us

Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking – accelerating ambitious ideas into real-world solutions.
What we do

Connecting
- Finding valuable partners
- Project consortium building
- Supply Chain Knowledge
- Driving new connections
- Articulating challenges
- Finding creative solutions

Funding advice
- Awareness and dissemination
- Public and private finance
- Advice – project scope
- Advice – proposal mentoring
- Project follow-up

Influencing
- Promoting Industry needs
- Informing policy makers
- Informing strategy
- Communicating trends and market drivers

Supporting
- Intelligence on trends and markets
- Business Planning support
- Success stories / raising profile
- High level application review

Navigating
- Navigating the innovation support landscape
- Promoting coherent strategy and approach
- Engaging wider stakeholders
- Curation of innovation resources

- **Stay informed**: Sign up to our newsletter for news, insights, funding opportunities and future sessions

- **Connect**: Register to the platform and share your challenges and solutions with other members in the networking hub [https://www.ukbatteriesnetwork.org/networking-hub/problems](https://www.ukbatteriesnetwork.org/networking-hub/problems)

- **Showcase your capabilities**: Explore our landscape map and add your organisation [https://www.ukbatteriesnetwork.org/battery-systems-landscape-map](https://www.ukbatteriesnetwork.org/battery-systems-landscape-map)
Visit our website and reach out to us!

Join the community and network with sector leaders!

https://iuk.ktn-uk.org/energy/batteries/
Faraday Battery Challenge Skills Competition

Dr Jennifer Channell
Innovation Lead – Faraday Battery Challenge
Who is here today?

Dr Diogo Vieira Carvalho  
Innovation Lead -  
Batteries

Dr Jennifer Channell  
Innovation Lead -  
Batteries

Supported by:  
Neelam Mughal – Knowledge Transfer Manager – Advanced Materials  
Nikoleta Piperidou – Knowledge Transfer Manager – Energy and Infrastructure
Introduction to the Faraday Battery Challenge
Why batteries?

Global temperature change (1850-2020)

Source: Warming stripes, Ed Hawkins, Climate Lab Book (climate-lab-book.ac.uk)
Surface transport contributes to UK emissions

Breakdown of surface transport sector emissions (2019)

UK lifecycle emissions of fossil fuel and electric cars
Batteries enabling the pathway to net zero

The UK’s Automotive Sector

Export is critical to the UK’s automotive competitiveness and commercial success.

Over the next 5 years, there are changes to the value and origin of materials used in a car to meet ‘tariff free trade’.

Know the facts and act now

8 out of 10 are exported - that’s 705,826 cars exported in 2021

850,575 cars manufactured in the UK in 2021
Legislation driving battery supply chain localisation

- From 2027, 65% of the value of the materials in a cell must be from the European Union and/or the UK.
- Cathode >50% of battery value.

From 2027.
Auto Council Priorities to achieve 2030/35

1. Support OEM platform transition activities

2. Embed the EV supply chain in the UK

3. Reduce the cost and improve the performance of EV through continuous R&D and technology innovation

4. Innovate to drive toward Net Zero through the value chain and through life
UK Battery Demand Growth

Nissan and Envision AESC
- Committed Capacity
- Potential Future Capacity

Recharge Industries X Britishvolt?

2022
- ~4GWh/yr demand
- 2GWh/yr production

2030
- ~100 GWh/yr demand forecast
- 13 GWh/yr production committed
- 41 GWh/yr potential
Where is the value?

Source: Roland Berger Integrated Battery Cost Model C3
Why the Faraday Battery Challenge?

1. **NET ZERO**
   
   To ensure the UK automotive industry meets its net zero commitments in the required timescale by enabling development and scale-up of sustainable battery technologies.

2. **£**
   
   To prosper from a just and fair transition to battery electrification across the nation through the development of a world class intellectual and physical supply chain.
Faraday Battery Challenge

Faraday Battery Challenge Programme

Research

Develop

Scale

Horizon scanning

Equality, diversity & inclusion and skills programmes

Building ecosystem in partnership with Innovate UK KTN
...as part of a wider ecosystem

Faraday Battery Challenge Programme

Policy
Regulation & Standards
Investors

Research
Develop
Scale

Horizon scanning
Equality, diversity & inclusion and skills programmes
Building ecosystem in partnership with Innovate UK KTN

Industrialise
ATF Industrialisation Programme

Late Stage R&D Programmes
£541m for battery research, development and scale-up

Press release

Record funding uplift for UK battery research and development

The UK’s world-leading manufacturing industries will be boosted thanks to £211 million in new government funding for battery research and innovation.
Innovation projects rounds 1-4

Across the value chain

Round 5 projects recently announced

Find out more about the projects and partners we’ve funded to date:

149 organisations supported to generate...

- **81 CR&D projects**
- **£120m Co-investment realized**
- **212 Jobs retained**
- **525 Jobs created**
- **2 Average TRL increase**
- **£1bn Future co-investment forecast**
- **72 Projects involving business/academia collaboration**
- **77% Collaborators reported improvement in skills**
Faraday Battery Challenge
Round 6 Innovation Competition

Launching May 2023

Scope design in progress
New programmes

- International
- Infrastructure support
- Workforce development
- Investors
Infrastructure support

Study underway to understand current provision for battery materials and cell scale-up in the UK:

• Explore current lab to pilot scale provision
• Where are the gaps?
• Where should the Faraday Battery Challenge intervene?

Grant to subsidise SME’s to access UKBIC across:

• Electrode
• Cell assembly
• Competition to currently live: Competition overview - UK Battery Industrialisation Centre SME Credit Round 1 - Innovation Funding Service (apply-for-innovation-funding.service.gov.uk)
Growing cross sector opportunities

Join the KTN Cross Sector Battery Systems Innovation Network

Access resources such as

- Cross Sector Targets
- Battery Gap Investment Report
- Networking Hub
- Battery Systems Landscape Map

www.ukbatteriesnetwork.org
The Faraday Battery Challenge vision for skills
UK Battery Demand Growth

Nissan and Envision AESC
- Committed Capacity
- Potential Future Capacity

Recharge Industries X Britishvolt?

2022
- ~4GWh/yr demand
- 2GWh/yr production

2030
- ~100 GWh/yr demand forecast
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- 41 GWh/yr potential
The scale of the skills challenge

- ~180 battery manufacturing jobs per GWh per year:
  - ~140 jobs/GWh/year for electrode and cell
  - ~40 jobs/GWh/year for module and pack

- By 2040 ~35,000 new jobs in battery manufacturing plants
- A further ~65,000 in the supply chain
- 50% of battery manufacturing workforce are production staff:

<table>
<thead>
<tr>
<th>Job type</th>
<th>Qualification level</th>
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</thead>
<tbody>
<tr>
<td>Material handling</td>
<td>L2</td>
</tr>
<tr>
<td>Machine loading</td>
<td>L2</td>
</tr>
<tr>
<td>Machine unloading</td>
<td>L2</td>
</tr>
<tr>
<td>Module assembly</td>
<td>L2</td>
</tr>
<tr>
<td>Pack assembly</td>
<td>L2</td>
</tr>
<tr>
<td>Logistics</td>
<td>L2/3</td>
</tr>
</tbody>
</table>

Source: Faraday Institution UK electric vehicle and battery production potential to 2040, June 2022
A skilled workforce is central to achieving our aims

1. To ensure the UK automotive industry meets its net zero commitments in the required timescale by enabling development and scale-up of sustainable battery technologies.

2. To prosper from a just and fair transition to battery electrification across the nation through the development of a world class intellectual and physical supply chain.
The Faraday Battery Challenge

Faraday Battery Challenge Programme

- Discover
- Develop
- Deploy

Continuous research into battery requirements and technology trends

Equality, diversity & inclusion and skills programmes

Building ecosystem in partnership with Innovate UK KTN

Dedicated budget for skills
Faraday Battery Challenge approach to battery manufacturing workforce development

- Training content generation
- Coordinating national body
- Content delivery: people
- Content delivery: facilities
Emerging skills project

The Emerging Skills Project was a pilot programme which formed part of the UK Government’s transformation of further and technical education in England and ended in March 2022.

The Department for Education, through the High Value Manufacturing Catapult, piloted a collaborative project to develop cutting edge learning materials for the delivery of Emerging Skills. The project focused on four main areas:

• Electrification for vehicles and transport solutions
• Additive Manufacturing technologies
• Industrial Digitisation Technologies / Industry 4.0 for manufacturing
• Composites – for environmental energy systems

The resources are available through Open Government License here: Emerging Skills Project
Emerging skills project follow-on

6 battery workforce training units have been developed to support skills needs within the sector:

• Level 3 - Battery manufacturing module and pack design
• Level 3 - Fundamentals of battery supply chain systems
• Level 3 - Operating principles of battery management systems
• Level 3 - Battery end-of-life prep and environmental disposal
• Level 3 - Decommissioning and sustainable reutilisation of batteries
• Level 3 - Introduction to designing sustainable batteries

2 day courses, free to attend – oversubscribed & SOLD OUT

Please speak to Paul Whiteside for more information: paul@sectortech.co.uk
Battery manufacturing trailblazer

A Trailblazer group was formed to create an occupational standard and end-point assessment plan (EPA) for a Level 3 Technician apprenticeship facilitated by Cogent Skills.

The options are:

• Option 1: Electrode technician

• Option 2: Cell assembly technician

• Option 3: Formation, ageing and testing technician

• Option 4: Module and pack technician

There has been a public consultation on the proposed occupational standard and end point assessment plan prior to formal submission to the Institute for Apprenticeship and Technical Education for approval.

Please contact Rachel.roby@cogentskills.com to find out more
Battery manufacturing workforce training initiatives

Principles:
• Match regional training demand with regional clusters of battery capability
• Focus on support for training facilities and trainers
• Regional STEM outreach to schools & colleges and university engagement
• Cast the inclusivity net as wide as possible
• Leverage regional investment
• Ensure SME access

NOTE: This is an example, not an exhaustive list of regional clusters of battery capability
Working in partnership to deliver the vision for the National Electrification Skills Framework and Forum

Convene
- Foresight future workforce capability

Curate
- Define roles, occupations and standards
- Develop modular curriculum and content
- Set up assurance, validation and recognition

Deliver
- Deliver early stage training (inc. teachers)
- Scale-up with co-operating providers

Procurement currently LIVE: PS22482 - The provision of an independent national body to deliver the vision of the national electrification skills framework and forum - RFP - Contracts Finder
Aligning to Government’s skills commitments

**Net Zero Strategy, 2021**

**Our Goals**

5. The government’s ambition is to:

   - Support up to 440,000 jobs across net zero industries in 2030, contributing towards a broader pivot to a greener economy which could support 2 million jobs in green sectors or by greening existing sectors by:
     - Working with business to grow green industries, supply chains and skills in the UK, and ensure our resilience to international changes in supply chains; and,
     - Using our net zero policy and funding to promote the growth of green skills and the green economy.

**Green Jobs Taskforce, 2021**

**Theme 1: Driving investment in green jobs and skills in the UK**

The previous chapter described the huge potential that exists for the UK to realise the economic benefits of net zero through boosting green jobs and growth. But this will not happen automatically. Businesses and investors will drive green job creation, with much of the investment needed to deliver net zero coming from the private sector. However, a consistent theme coming out of our engagement with industry, workers, and the skills sector has been that government must provide the right framework to underpin future policy, create clear market demand, and inspire the confidence needed to unlock investment from business. This finding is also

**Skidmore review, 2023**

- **Building the skills needed for the transition**: Drive forward delivery of the Green Jobs Taskforce recommendations and the commitments from the *Net Zero Strategy*, reporting regularly on progress starting by mid-2023
Battery manufacturing training initiative – expression of interest

Diogo Vieira Carvalho
Innovate Lead - Faraday Battery Challenge
Battery manufacturing training initiative competition – expression of interest

Up to £2 million available for UK registered organisations.

<table>
<thead>
<tr>
<th>Research Category</th>
<th>Grant available</th>
<th>Total grant funding request</th>
<th>Duration</th>
<th>Project completion date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial research</td>
<td>Up to £2 million</td>
<td>Up to £2 million</td>
<td>18 months</td>
<td>31st March 2025</td>
</tr>
</tbody>
</table>

With the aims to:

- support regional battery manufacturing industry workforce requirements
- develop innovative approaches to battery workforce development
- catalyse investment in battery workforce development
- develop a battery industry workforce of the right quality and quantity in the UK
- develop innovative approaches to outreach which will attract diverse talent to careers in the battery industry

Competition deadline: 11am 4th April 2023
Expression of interest

This is the phase 1 expression of interest (EOI), of a 2 phase competition. Phase 2 is the full-proposal stage of the competition.

There is no funding at this EOI stage. If you are successful in phase 1, you will be invited to apply to the phase 2 full stage collaborative competition.

If we receive multiple submissions invited to phase 2 from one region, we may encourage you to work together to submit a phase 2, full-stage application.
Expectations

Your proposal must focus on the vocational or technical training infrastructure requirements to train the battery manufacturing workforce. This can include facilities, equipment and people.

We will fund at least one training initiative for developing the technical or vocational workforce at level 2/3 for manufacturing of battery technologies, as a priority area of need.

Your initiative must be established and start to deliver training within the phase 2 funded timescale.

We encourage ambitious, impactful projects which can meet the aims of this competition.
Your EOI proposal must demonstrate

• the regional training need
• a description of the training initiative
• how you will ensure the training quality and appropriateness
• the focus of the training initiative
• your approach to outreach and equality, diversity and inclusion
• how the initiative will connect learners with battery careers
• alignment with other electrification training initiatives within the region, if appropriate
• the consortium you will bring together, this must include businesses of all sizes and the regional training ecosystem
• how you will leverage cash and in-kind support to deliver the initiative
• your approach to developing a sustainable business model
Specific themes

Your project must focus on the skills level 2 to 3 for the production workforce for manufacturing of battery technologies including:

- electrode manufacture
- cell assembly
- formation, aging and testing
- module and pack assembly

Your project can also address one or more of the following:

- the workforce for battery technology research and development, for example research technicians
- the workforce for the scale-up of battery technologies
- the maintenance and engineering workforce within a battery manufacturing environment
- the quality control and assurance workforce within a battery manufacturing environment
Example activities

Your project can include funding for:

• physical assets such as physical training equipment or equipment which can enable virtual or augmented reality training, for example mock clean and dry room facilities

• digital assets such as software or data to enable training

• access to facilities

• trainers who will supervise training equipment

• training for trainers

• outreach and engagement activities related to improving equality, diversity and inclusion

• consumables related to training and outreach

This list is not intended to be exhaustive and we encourage ambitious and impactful projects.
Out of scope

We are not funding projects that are:

• not related to battery manufacturing

• research or innovation projects developing battery technologies

• not leveraging sufficient additional support to deliver the activity above the funded project

• commissioning building construction

• general building infrastructure not specific to the training needs for example, office computers or wifi access

• focussed on University-level undergraduate or postgraduate level skills (for example, Bachelors, Masters and Doctorate-level skills)
Phase 2, full-stage proposal

In your phase 2 full stage collaborative proposal you must demonstrate:

• further details on the needs of the region
• a detailed approach
• your long term vision
• a sustainable business model
• that you have brought together a consortium capable of delivering the vision
• wider outcomes
• added value
• full project management and risk management approaches
• full costings
• evidence all forms of additional investment from alternative sources to leverage the grant funding, for example additional financial contributions, expertise and resources
# Phase 2, full stage timeline

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOI closes</td>
<td>4&lt;sup&gt;th&lt;/sup&gt; April 2023</td>
</tr>
<tr>
<td>Notifications</td>
<td>20&lt;sup&gt;th&lt;/sup&gt; April 2023</td>
</tr>
<tr>
<td>Full stage opens</td>
<td>25&lt;sup&gt;th&lt;/sup&gt; April 2023</td>
</tr>
<tr>
<td>Full stage closes</td>
<td>25&lt;sup&gt;th&lt;/sup&gt; May 2023</td>
</tr>
<tr>
<td>Interviews (TBC)</td>
<td>July 2023</td>
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<tr>
<td>Notifications</td>
<td>July 2023</td>
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<tr>
<td>Projects start</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; October 2023</td>
</tr>
<tr>
<td>Projects end</td>
<td>31&lt;sup&gt;st&lt;/sup&gt; March 2025</td>
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</table>
This Faraday Battery Challenge funding is designed to catalyse additional investment in battery manufacturing workforce development in the regions that need it. Different regions will have different social, political and economic dynamics which mean that a regionally designed solution is the most effective to maximise the relevance of the initiative.

This funding may sit alongside other electrification workforce development initiatives within the identified region. The funding may build on existing skills and training networks or build new ones.

If this model is successful, there may be opportunities to extend this regional approach to other regions.
Tips and support

For help applying contact the Innovate UK Customer Service Desk: support@iuk.ukri.org or 0300 321 4357

For support and advice on applications contact the Innovate UK Knowledge Transfer Network:

- Highly recommended that you use their service, especially if you are new to Innovate UK competitions
- Nikoleta Piperidou - Knowledge Transfer Manager for Infrastructure & Energy: Nikoleta.Piperidou@ktn-uk.org
- Neelam Mughal - Knowledge Transfer Manager for Advanced Materials: neelam.mughal@iuk.ktn-uk.org

For scope queries contact the Faraday Battery Challenge:

- Faraday Battery Challenge inbox: faradaybatterychallenge@iuk.ukri.org
- Dr Jennifer Channell and Dr Diogo Vieira Carvalho: Innovation Leads - Batteries

Advice:

- Contact us for help early – do not wait until the last minute – there is always one application which misses the deadline!
- Read scope and application questions thoroughly
- Submit applications early to avoid any last-minute issues
- IFS will close to submissions at 11am 4th April 2023
Thank you

faradaybatterychallenge@iuk.ukri.org
Eligibility criteria
# Previously submitted applications

This competition does not allow you to submit a previously submitted application.

<table>
<thead>
<tr>
<th>Previously submitted application</th>
<th>Not a Previously submitted application</th>
</tr>
</thead>
<tbody>
<tr>
<td>A previously submitted application is an application Innovate UK judges as <strong>not</strong> materially different from one you have submitted before (but it can be updated based on the assessors' feedback)</td>
<td>A brand-new application, project or idea that you have not previously submitted into an Innovate UK competition</td>
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<tr>
<td></td>
<td>OR</td>
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<tr>
<td></td>
<td>A previously submitted or ineligible application which:</td>
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<tr>
<td></td>
<td>✓ has been updated based on assessor feedback</td>
</tr>
<tr>
<td></td>
<td>✓ <strong>and</strong> is materially different from the application submitted before</td>
</tr>
<tr>
<td></td>
<td>✓ <strong>and</strong> fits with the scope of this competition</td>
</tr>
</tbody>
</table>
## Eligibility criteria

| Project eligibility | • lead must be a UK registered:  
|                     |   • business of any size  
|                     |   • academic institution  
|                     |   • research and technology organisation (RTO)  
|                     |   • charity  
|                     |   • not for profit  
|                     |   • public sector organisation  
|                     | • can be single or collaborative  
|                     | • must carry out your project in the UK  
|                     | • exploit the results from or in the UK  

| Total grant | up to £2 million (for the full stage project)  
| Project length | up to 18 months  

Types of organisations we fund

- Business – Small or Micro, Medium or Large registered in the UK
- Research Organisation (RO):
  - Universities (HEIs)
  - Not for profit distributing Research & Technology Organisation (RTO) including Catapults
  - Public Sector Research Establishments (PSRE)
  - Research Council Institutes (RCI)
- Public sector organisations and charities doing research activity

If you are 100% owned by a large parent company as a small subsidiary this means you are classed as a large company and will only be entitled to the relevant grant. For more information on company sizes, please refer to the [company accounts guidance](#).
Compliance with the UK Subsidy Control Regime

On 1 January 2021, the UK left the EU and is no longer subject to EU laws on State aid. We draw your attention to the guidance issued by BEIS: Complying with the UK’s international obligations on subsidy control: guidance for public authorities. Please be aware this is a living document and may be updated by BEIS as time progresses.

The set rules (typically GBER) which we previously relied on for the limits of what we could award, have now been replaced by internal decisions based on the new BEIS Subsidy Control Regime, and on policy, which will in turn set out bespoke eligibility requirements for each funding opportunity.

Innovate UK is offering funding for this competition in line with the UK’s obligations and commitments to Subsidy Control. To ensure that Innovate UK remains compliant with the UK’s international Subsidy Control duties in respect of:

- the EU-UK Trade and Cooperation Agreement;
- Article 10 of the Northern Ireland Protocol (successful applicants which are affected by the Northern Ireland Protocol will be funded in line with EU State aid regulations)
- Article 138 of the Withdrawal Agreement (some Union law applicable after 31 December 2020 in relation to the UK’s participation in Union programmes and activities)
- the Subsidies and Countervailing measures within the WTO (ASCM)
- any other Free Trade Agreements active at the time of award

All awards will be conditional on compliance at all times with the UK’s International obligations on Subsidy Control - this will be reflected in the terms and conditions of any award.
Due diligence for UK Subsidy Control Regime

Under the Subsidy Control Regime, we will carry out financial health checks and ongoing concern assurances on your organisation.

Certify you are eligible

When submitting an application, you must certify that you are eligible for funding. If you are unsure, please take independent legal advice before applying. Should you be successful, we will complete these financial checks and assurances before confirming the grant offer.

- For more information on company sizes, please refer to the Company accounts guidance.
- Further information is available on our website in the general guidance.
Eligibility Criteria - EU State Aid Regulations – Northern Ireland Protocol

If you are an applicant who is conducting activities that will affect trade of goods and/or electricity between Northern Ireland and the EU as envisaged by Article 10 of the Northern Ireland protocol, then you must apply under European Commission State aid rules.

Undertaking in Difficulty
For applicants subject to the European Commission State aid rules, you will be required to prove that they were not an “Undertaking in Difficulty” (UiD). We will ask for evidence of this.

This test applies to:
- companies that are more than 3 years old
- companies where more than half of its subscribed share capital has disappeared as a result of accumulated losses.
- your parent or holding company

Certify you are eligible
When submitting an application, you must certify that you are eligible for State aid. If you are unsure, please take legal advice before applying. Should you be successful, we will apply this test as part of our viability checks before confirming the grant offer.

Further information is available on our website in the general guidance under state aid.

If you are applying for an award funded under State aid Regulations, the definitions for company size are set out in the European Commission Recommendation of 6 May 2003.
Eligibility Criteria: Funding Opportunities

For full stage industrial research projects, you could get funding for your eligible project costs of:

- up to 70% if you are a micro or small organisation
- up to 60% if you are a medium-sized organisation
- up to 50% if you are a large organisation

For research organisations conducting fundamental research you could get funding for your eligible project costs of up to 100%.

For general guidance on what our research categories are please visit:
https://www.ukri.org/councils/innovate-uk/guidance-for-applicants/general-guidance/categories-of-research-and-development/#contents-list
Participation Rules

The aim of this funding opportunity is to:
- optimise the level of funding to business and
- recognise the importance of research base to project

Up to 100% of total eligible project costs can be incurred by the research organisations.

The maximum level (100% of total eligible project costs) is shared by all research organisations collaborating on the project.
What is collaboration?

In all collaborative projects there must be:

- at least two organisations claiming grant within the application (including the lead)
- a business or research-led consortium, which may involve both business and the research base
- evidence of effective collaboration

We would expect to see the structure and rationale of the collaboration described in the application.
Making more than one application

A business, academic institution, research and technology organisation (RTO), charity, not for profit or public sector organisation can only lead on one application but can be included as a collaborator in a further 2 applications.

If an organisation is not the lead on any application, they can be a partner in any number of applications.
Other Innovate UK projects

If you have an outstanding final claim or Independent Accountant Report (IAR) on a live Innovate UK project, you will not be eligible to apply to this competition, as a lead or a partner organisation.

We will not award you any further funding if you:

- applied to a previous competition as the lead or sole company and were awarded funding by Innovate UK, but did not make a substantial effort to exploit that award

- applied to a previous competition as the lead or sole company and failed to comply with grant terms and conditions.
## Key Dates

<table>
<thead>
<tr>
<th>Timeline</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competition Opens</td>
<td>7 March 2023</td>
</tr>
<tr>
<td>Briefing Event</td>
<td>9 March 2023</td>
</tr>
<tr>
<td>Submission Deadline</td>
<td>4 April 2023, 11:00</td>
</tr>
<tr>
<td>Applicants informed</td>
<td>20 April 2023</td>
</tr>
</tbody>
</table>
Innovation Funding Service (IFS)
Search for a funding competition and review criteria

Battery manufacturing training initiative: expression of interest

UK registered organisations can apply for a share of up to £2 million to establish at least one training initiative for battery manufacturing. This funding is from the Faraday Battery Challenge. This is a phase 1 EoI of a potential 2 phase competition.

Eligibility
This expression of interest (EoI) stage is open to single applicants and collaborations.

To lead a project your organisation must be a UK registered:
- business of any size
- academic institution
- research and technology organisation (RTO)
- charity
- not for profit
- public sector organisation

Open now
Opened: 7 March 2023
Closes: 4 April 2023

Funding competition
Battery manufacturing training initiative: expression of interest

UK registered organisations can apply for a share of up to £2 million to establish at least one training initiative for battery manufacturing. This funding is from the Faraday Battery Challenge. This is a phase 1 EoI of a potential 2 phase competition.

Competition opens: Tuesday 7 March 2023
Competition closes: Tuesday 4 April 2023 11:00 am

Start new application

Or go to your dashboard to continue an existing application.

Summary

Description

- Innovate UK, part of UK Research and Innovation, will invest up to £2 million as part of the Faraday Battery Challenge. This is to develop one or more innovative battery manufacturing workforce training initiatives, supporting regional battery industry needs.
- The aim of this competition is to:
  - support regional battery manufacturing industry workforce requirements
  - develop innovative approaches to battery workforce development
  - catalyse investment in battery workforce development
  - develop a battery industry workforce of the right quality and quantity in the UK
  - develop innovative approaches to outreach which will attract diverse talent to careers in the battery industry
Lead Applicant: create an account

The lead applicant must create an account:

**UK registered businesses**

Use Companies House lookup as it speeds up our checks by providing your company number. You are unable to enter this at a later date.

**Research organisations, academics and universities**

Enter your information manually so you are not listed as a business on IFS and ensure you receive the correct funding.
Application Team - Collaborators can invite organisations who you are working with on the project. Contributors can invite colleagues from your own organisation to help you complete your application. All team members and Lead applicants must complete the Equality, Diversity and Inclusion survey embedded in IFS as part of your application.

Application Details - Title, timescales, research category, innovation area and previously submitted application (y/n)

Subsidy basis - Will the project, including any related activities, you want Innovate UK to fund, affect trade between Northern Ireland and the EU? All participants must complete this section.

Project Summary - Short summary and objectives of the project including what is innovative about it

Public Description - Description of your project which will be published if you are successful

Scope - How does your project align with the scope of this competition? - If your project is not in scope, it will be ineligible for funding
## Application Questions

Detailed guidance available on IFS

<table>
<thead>
<tr>
<th>Application Form</th>
<th>Appendix?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Question 1 Applicant location</td>
<td>No</td>
</tr>
<tr>
<td>(not scored)</td>
<td></td>
</tr>
<tr>
<td>Question 2 Regional context</td>
<td>Yes – optional</td>
</tr>
<tr>
<td>Question 3 Vision and approach</td>
<td>Yes - optional</td>
</tr>
<tr>
<td>Question 4 Team and resources</td>
<td>No</td>
</tr>
<tr>
<td>Question 5 Project timelines and</td>
<td>Yes - optional</td>
</tr>
<tr>
<td>risks</td>
<td></td>
</tr>
<tr>
<td>Question 6 Costs</td>
<td>No</td>
</tr>
</tbody>
</table>
Application finances
To claim funding

Your business does not have to be UK registered with Companies House when you apply but it must be registered before you can receive funding.

You are unable to claim funding if:

- you are an overseas organisation, so your company number begins with FC
- your organisation is setup as a branch, so your company number begins with BR
- you are a collaboration with no formal structure of ownership or control, so your company number begins with ML
- you are a Crown Dependency:
  - if your company is based in Jersey, your company number begins with JE
  - if your company is based in Guernsey
  - if your company is based in the Isle of Man
British Overseas Territories

You are also unable to claim funding if your company is based in any of the British Overseas Territories (BOTs):

- Anguilla
- Bermuda
- British Antarctic Territory
- British Indian Ocean Territory
- British Virgin Islands
- Cayman Islands
- Falkland Islands
- Gibraltar
- Montserrat
- Pitcairn Islands
- Saint Helena, Ascension and Tristan da Cunha
- South Georgia and the South Sandwich Islands
- Turks and Caicos Islands
Your Project Cost Categories

- Labour
- Overheads
- Materials
- Equipment Usage
- Subcontractors
- Travel & Subsistence
- Other
<table>
<thead>
<tr>
<th>Organisation or type of activity</th>
<th>Technical feasibility studies and industrial research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business (economic activity)</td>
<td>Micro or Small – 70%</td>
</tr>
<tr>
<td></td>
<td>Medium – 60%</td>
</tr>
<tr>
<td></td>
<td>Large – 50%</td>
</tr>
<tr>
<td>Research organisation</td>
<td>Universities – 100% (80% of Full Economic Costs)</td>
</tr>
<tr>
<td>(non-economic activity)</td>
<td>Other research organisations can claim 100% of their project costs</td>
</tr>
<tr>
<td>Public Sector Organisation or Charity (non-economic activity)</td>
<td>100% of eligible costs</td>
</tr>
<tr>
<td>Research organisations (undertaking economic activities)</td>
<td>Micro or Small – 70%</td>
</tr>
<tr>
<td></td>
<td>Medium – 60%</td>
</tr>
<tr>
<td></td>
<td>Large – 50%</td>
</tr>
</tbody>
</table>
Submitting your application
Editing a submitted application

Remember to press ‘Submit application’

Reopen by clicking here
Customer Support can help resolve any issues you might have when submitting but only if they are contacted before the deadline. Once the deadline has passed, your application cannot be submitted.
Assessment
How our assessors assess?

The EoI assessment will be made by the Faraday Battery Challenge Team.

We require our internal assessors to maintain confidentiality and declare any conflicts of interest, ensuring a fair and transparent process.

Assessors are unable to contact you regarding your application content. Therefore, your application should contain:

- a justification for a viable opportunity for growth and a level of innovation that necessitates public investment
- clear and concise answers
- the right amount of information
- no assumptions

We recommend you review the competition brief and guidance for help.
How are successful applicants selected for funding?

Assessors will score each section of your application.

After the assessor process, Innovate UK will independently moderate assessor scores. Any outliers in scores may be removed and your total score will be updated.

You will then receive email notification to inform you whether your application has been successful or not on this occasion.
Project setup for successful applicants
Notification

If you are unsuccessful in this competition
You can use the feedback from the assessors to develop your idea and apply into another competition that allows previously submitted applications

If you are successful in this competition
- you will be invited to apply to the full stage competition

Please ensure all your contact details in the IFS portal are correct and up to date and that you regularly monitor it.
Additional Support
Innovate UK EDGE

Bespoke growth and scaling support at the business end of innovation

- Intensive growth and scaling support tailored to the needs of each of our ambitious innovation-driven clients
- Offered alongside project funding to Innovate UK award winners, most of whom engage us. We are also available to all high growth potential innovative small or medium-sized businesses*
- Engagement at early, growth and scaling stages, with our core high growth service and enhanced Scaleup Programme
- Delivered by 290 innovation and growth specialists embedded in regional ecosystems across the UK, including a board of expert scaleup directors

*subject to eligibility and currently in all nations and regions outside Scotland
An innovation and growth specialist, or scaleup directors, work with a company’s leadership to hone its commercial strategy and help it take targeted action to, for example:

- Build investment readiness
- Manage innovation effectively
- Enter global markets
- Providing local to national to international growth and scaling support
Equality, Diversity & Inclusion

• We are on a mission to embed Equality, Diversity, and Inclusion in everything we do, internally and externally.

• We believe that great ideas can, and do, come from anyone and everyone.

• We know that diversity and inclusion in businesses contributes to enhanced innovation, satisfaction, performance, and ultimately, commercial success.
Available Support

• We welcome and encourage applications from people of all backgrounds and are committed to making our application process accessible to everyone.

• This includes providing support for people who have a disability or long-term condition and face barriers applying to us.

• So, if you would like any support, please contact our Customer Support Service Team on support@iuk.ukri.org or at 0300 321 4357.
| 1. | Contact our Customer Support Services Team as early as possible – we suggest at least 15 working days before the deadline |
| 2. | Complete a request form which will be sent to our partner Diversity & Ability (D&A) |
| 3. | D&A will conduct a Discovery Conversation with you and make reasonable adjustments recommendation |
| 4. | D&A will organise and deliver bespoke reasonable adjustments for and with you |
| 5. | Submit your application – please do so well ahead of the deadline as extensions cannot be provided |
Contact

Customer Support Services
0300 321 4357 (Monday - Friday 9-5pm)
support@iuk.ukri.org

Innovate UK
ukri.org/councils/innovate-uk

Innovate UK KTN
ktn-uk.co.uk

Innovate UK EDGE
innovateukedge.ukri.org
Thank You