Logo

Description automatically generated

I**ndustrial Energy Efficiency Accelerator (IEEA)**Competition Application FormIEEA Overview

**Important: please fill in this form using the IEEA Guidance Notes (October 2021)  
  
A support service is provided to applicants. It is highly recommended that you** [**register your technology/project idea for initial screening**](https://programmes.carbontrust.com/ieea/participate-in-phase-3/#submit-your-idea)**before completing the application form to maximise your chance of a successful application.  
  
Personal data provided will be processed as per the** [**Privacy Notice**](https://files.smartsurvey.io/3/0/BS4DRHXQ/BEIS_Privacy_Notice_Hydrogen_Supply_2_Application_Form.pdf) **in line with General Data Protection Regulations.  
  
The application form with supporting information must be submitted by 3pm GMT, Monday 31st January 2022**

Icon

Description automatically generated with low confidenceShape

Description automatically generated with medium confidence

**© Crown copyright 2021  
This publication is licensed under the terms of the Open Government Licence v3.0 except where otherwise stated. To view this licence, visit** [**nationalarchives.gov.uk/doc/open-government-licence/version/3**](http://nationalarchives.gov.uk/doc/open-government-licence/version/3) **or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or email:** [**psi@nationalarchives.gsi.gov.uk**](mailto:psi@nationalarchives.gsi.gov.uk) **Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.  
Any enquiries regarding your application should be sent to us at:**[**IEEA@carbontrust.com**](mailto:IEEA@carbontrust.com)

**Application Sections**

* Proposal Summary
* Eligibility Assessment
  + Confirmation that your innovation is eligible
* Contact and Lead Organisation Details
* Parent Company Details (if applicable)
* Assessment Criteria.
  + Project and technical overview
  + Potential impact
  + Commercialisation prospects
  + Project design and deliverability
  + Project costs and value for money
* Further Information
* Project Partnerships (provide partner information if applicable)
* Application Form Checklist
* Signatory Page1. Proposal Summary

### **1.1 Name of Applicant Organisation This should be the lead organisation/co-ordinator for the proposed project \***

|  |
| --- |
|  |

### **1.2 Project Name \***

|  |
| --- |
|  |

### **1.3 As the lead applicant, what will be your organisation’s role in the project (e.g., industry partner, technology developer, technology expert or third-party project manager etc) \***

|  |
| --- |
|  |

### **1.4 Estimated Start Date Projects must commence no later than 31 May 2022.**

DD/MM/YYYY

### **1.5 If there is a strong reason why you project cannot start by 31 May 2022, please provide justification here:**

|  |
| --- |
|  |

### **1.6 Estimated End Date \***

**It is expected that projects should complete no later than 31 May 2024**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **1.7 If project duration is expected to be over 2 years, please provide justification here:**

|  |
| --- |
|  |

### **1.8 Total Project Costs (£) Please enter the total eligible project costs for the project that you are applying for excluding VAT. \***

|  |
| --- |
|  |

### **1.9 Total BEIS Funding Applied For (£) Please enter the estimated cost of the BEIS funding required for the project excluding VAT. \***

|  |
| --- |
|  |

### **1.10 Total Match Funding (£) Please enter the estimated cost of the match funding for the project excluding VAT. \***

|  |
| --- |
|  |

### **1.11 Any other project funding (£) Examples of other project funding may include funding from public-sector bodies other than BEIS, from universities or from public institutions overseas.**

|  |
| --- |
|  |

### **1.12 Please give a brief description of the project. What will be demonstrated during the project, challenges to be overcome, and project benefit/savings expected. This description may be published for successful projects. (Maximum 200 words) \***

|  |
| --- |
|  |

### **1.13 Please explain why public sector funding is required to take this innovation forward. (Maximum 200 words) \***

|  |
| --- |
|  |

**2. Eligibility Assessment**

**Sector eligibility and location**

### **2.1 What is the company name of the industrial partner (where the demonstration project will be located) \***

|  |
| --- |
|  |

### **2.2 What industrial sector does the industrial partner operate in relating to this project proposal? \***

|  |
| --- |
|  |

### **2.3 What SIC code defines the activity at the site which will be the focus of the project?** The SIC code should be 5 characters long. This may be different from their company SIC code where activities at site level are not reflected in their Companies House record. **\***

|  |
| --- |
|  |

### **2.4 What is the location of the site that will be the focus of the demonstration? \***

|  |  |
| --- | --- |
|  | England |
|  | Northern Ireland |
|  | Scotland |
|  | Wales |

### **2.5 Postcode of site location\***

|  |
| --- |
|  |

### **2.6 Eligibility Questions \***

|  | Yes | No |
| --- | --- | --- |
| A demonstration site has been secured at a UK site which is part of an eligible industrial sector (see guidance notes for eligible sectors). |  |  |
| The technology to be demonstrated is an eligible energy and/or resource efficiency solution targeted at the UK manufacturing sector (see guidance notes for eligible project types). |  |  |
| A demonstration site has been secured at a UK site which is part of an eligible industrial sector (see guidance notes for eligible sectors). |  |  |
| The technology to be demonstrated is an eligible energy and/or resource efficiency solution targeted at the UK manufacturing sector (see guidance notes for eligible project types). |  |  |
| The technology is not already commercialised or the technology is currently unproven within the given sector. |  |  |
| The technology is currently TRL 5-8, and will progress to TRL 8-9 during the project. |  |  |
| The project would not proceed without IEEA funding. |  |  |
| All partners have secured a commitment to sufficient matched funding. |  |  |
| BEIS is unable to fund retrospective work on projects. Can you confirm that your application does not seek funding for retrospective work on this project? |  |  |
| The BEIS grant requested by each partner is compliant with Subsidy rules. |  |  |
| Confirmation of acceptance of BEIS terms and conditions. |  |  |
| I confirm that I have read and accept the privacy notice. |  |  |

Comments:

|  |
| --- |
|  |

**3. Contact and Lead Organisation Details**

### **1. Primary Contact Details \***

|  |  |  |
| --- | --- | --- |
| Title  \* | |  | | --- | |  | |
| Full Name  \* | |  | | --- | |  | |
| Position  \* | |  | | --- | |  | |
| Mobile Number  \* | |  | | --- | |  | |
| Organisation Name  \* | |  | | --- | |  | |
| Organisation Website | |  | | --- | |  | |

### **2. Email will be the primary method of correspondence following submission. \***

|  |
| --- |
|  |

### **3. The registered address of the Lead Organisation \***

|  |  |  |
| --- | --- | --- |
| Address Line 1  \* | |  | | --- | |  | |
| Address Line 2 | |  | | --- | |  | |
| Address Line 3 | |  | | --- | |  | |
| Town/City  \* | |  | | --- | |  | |
| Postcode/ Zip Code  \* | |  | | --- | |  | |

### **4. County (If Applicable)**

Dropdown list

### **5. UK Region (If Applicable)**

Dropdown list

### **6. Country \***

Dropdown list

### **7. Project Location: Is this registered address the location where the main activity of the proposed project will be carried out?**\*

|  |  |
| --- | --- |
|  | Yes |
|  | No |

### **8. Lead Organisation Type \***

|  |  |
| --- | --- |
|  | Not for Profit |
|  | Private Company |
|  | Public Limited Company |
|  | Public Sector Organisation |
|  | Research Organisation |
|  | University |
|  | Other (please specify):   |  | | --- | |  | |

### **9. Lead Organisation Size \***

|  |  |
| --- | --- |
|  | Micro Enterprise <10 employees |
|  | Small Enterprise <50 employees |
|  | Medium Enterprise <250 employees |
|  | Large Enterprise |

### **As the lead applicant, what will be your organisation’s role in the project (e.g., industry partner, technology developer, technology expert or third-party project manager etc) (Max 10 words) \***

|  |
| --- |
|  |

### **10. Number of employees in Lead Organisation (including directors) \***

|  |
| --- |
|  |

### **11. Lead Organisation Company Registration Number \***

|  |
| --- |
|  |

### **12. Turnover Amount of Lead Organisation (in most recent annual accounts) Please include the currency of the amount in your response. \***

|  |
| --- |
|  |

### **13. Turnover Date (in most recent annual accounts) \***

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **14. Balance Sheet Total of Lead Organisation (total assets net of depreciation) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **15. Balance Sheet Date (total assets net of depreciation) \***

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **16. Is the Lead Organisation able to recover VAT? \***

|  |  |
| --- | --- |
|  | Yes |
|  | No |

### **17. Lead Organisation Maturity \***

|  |  |
| --- | --- |
|  | Pre-Startup |
|  | Startup - <1 year |
|  | 1-5 years |
|  | 6-10 years |
|  | >10 years |

### **18. How is the lead organisation currently funded? (Choose all that apply) \***

| No Funding | Founders (including bank loans) | Friends and Family | Public Sector Grants | Angel Investment | Venture Capital | Private Equity | Stock Market Flotation |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

### **20. Does the lead organisation have a parent company? (If yes you will be asked to provide details) \***

|  |  |
| --- | --- |
|  | Yes |
|  | No |

**4. Parent Company Details (to be completed as applicable)**

### **4.1 Parent Company Details** \*

|  |  |  |
| --- | --- | --- |
| Organisation Name | |  | | --- | |  |   \* |
| Address Line 1 | |  | | --- | |  |   \* |
| Address Line 2 | |  | | --- | |  | |
| Address Line 3 | |  | | --- | |  | |
| Town/City | |  | | --- | |  |   \* |
| Postcode/ Zip Code | |  | | --- | |  |   \* |

### **4.2 Country \***

Dropdown list

### **4.3 Number of employees (including directors) \***

|  |
| --- |
|  |

### **4.4 Company Registration Number \***

|  |
| --- |
|  |

### **4.5 Turnover Amount (in most recent annual accounts) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **4.6 Turnover Date (in most recent annual accounts)**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **4.7 Balance Sheet Total (total assets net of depreciation) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **4.8 Balance Sheet Date (total assets net of depreciation)**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **4.9 Organisation Maturity**

|  |  |
| --- | --- |
|  | Pre-Startup |
|  | Startup - <1 year |
|  | 1-5 years |
|  | 6-10 years |
|  | >10 years |

**5. Assessment Criteria**

**This section gathers information to allow the project to be assessed against the 5 separate IEEA assessment criteria. Each criterion will be scored independently and given a score between 1 – 10.**

**Guidance – Additional Attachments:      
  
Referenced Figures (will be assessed)**The applicant’s response must be entered in the text box(es) below where provided. Applicants who wish to support their responses with figures where prompted (e.g., illustrations/PFDs/graphs/charts/schematics) may attach these as part of the **Referenced Figures** single attachment (max. 20MB allowance provided) in the **Further Information** section of this application form. Applicants must clearly label the figures in the attachment and reference the figures in their response within the text box to ensure they are assessed. Any further text submitted within the **Referenced Figures** single attachment will not be assessed. **Supporting Information**Additional letters of support or other **supporting information** can also be submitted in the **Further Information** section before you submit your online application form, where they add background/ supporting information (this could include but not limited to relevant papers, assumptions/ calculations to back up the assertions made in the application) to the application. However, the assessment will be based on the information directly written in the online application; you should not assume that any additional information will be cross-referenced or reviewed as part of the selection process. Applicants may upload up to 4 such attachments (max. 20MB per attachment).

**6. Project and Technology**

**Criterion 1:** You will be assessed and scored based on the quality and clarity of the answers in describing the technology and the project, along with the strength of the proposed project in meeting the IEEA programme objectives.  
 **(Weighting for Criterion 1 – 25%)**

1. **Technology Overview**

**In this section, you should describe the technical aspects of the technology. State any technical assumptions and their justifications - clear diagrams and photographs where appropriate can be uploaded at the end of this section.**

### **a) What are the basic underlying principles of your new technology/process? Describe the scientific theory underpinning the technology? Is this well-established/assumed knowledge by engineers or a novel concept. If novel, provide explanatory information. Describe the operating principle of the technology i.e. How does the technology work in practice, and how can it be integrated into the process/industry chosen for demonstration? Is any adaptation needed for the chosen sector/application? Please consider that reviewers of the application may not be directly familiar with the new process/technology therefore clear explanation is required. (Maximum 400 words) \***

|  |
| --- |
|  |

### **b) What is the innovative aspect to this technology and how does it improve upon existing solutions? If there are similar or competing technologies/processes fulfilling similar requirements what advantages does this technology possess and why would industry adopt this technology? (Maximum 250 words) \***

|  |
| --- |
|  |

### **c) How will the technology deliver emissions reductions (through energy or resource efficiency) in the target industry sector(s)? State what metrics are proposed to demonstrate these improvements, and any additional advantages? How does performance compare to typical and best practice for the target sector(s)? (Maximum 250 words) \***

|  |
| --- |
|  |

If you wish, you may upload a document(s) showing simple process diagrams for the site/process (optional).  
  
Maximum number of files - 2Maximum size of files - 20MB

### **d) What technical barriers will the demonstration project need to overcome to be successful? Are there any technical assumptions material to the success of this project? If so, please list the assumptions and provide references and justification for their use. (Maximum 250 words) \***

|  |
| --- |
|  |

### **e) What is the Technology Readiness Level (TRL) of the proposed technology solution now?** To be eligible for IEEA support, your technology solution needs to be between TRL5 and TRL8 **\***

Dropdown list

### **f) Please describe how your proposed technology solution has achieved the TRL selected and explain what testing has been undertaken to prove that the technology/process works? Provide evidence of lab/prototype validation (e.g., laboratory or field trial results, details of performance modelling, external validation of the technology and/or test results). You can upload files below the textbox using the 'choose file' option. If the technology is commercially viable (TRL9) in other sectors, applicants must provide evidence that there are barriers to adoption in the proposed sector for this project (other than purely commercial) and how this demonstrator will help overcome these, noting any adaptions required. (Maximum 350 words) \***

|  |
| --- |
|  |

### **g) What is the Technology Readiness Level (TRL) expected at the completion of the project? To be eligible for IEEA support, your technology solution needs to reach TRL of at least 8, preferably 9. \***

Dropdown list

### **h) Please describe how your proposed technology solution will be shown to have reached the proposed TRL. (Maximum 250 words) \***

|  |
| --- |
|  |

If you wish, you may upload one piece of documentation to support your answers above (which may include figures and photos).  
  
However, assessors are not obliged to read extra material as it is considered optional and supplementary to the text supplied here.  
  
Maximum number of files - 1  
Maximum size of files - 20MB Uploading...



1. **Proposed Project**

**Please provide a project description covering the following elements:**

### **a) Brief summary of the project Provide a short introduction to the project. Include a brief description of what will be demonstrated during the project, challenges to be overcome, and project benefit/savings expected. (Maximum 300 words) \***

|  |
| --- |
|  |

### **b) Where will the project be undertaken? Briefly describe the industrial company, site and current operations. (Maximum 150 words) \***

|  |
| --- |
|  |

### **c) Describe how the technology will be integrated into the current process/site. Will the technology constitute a new production line? Will it be a retrofit of an existing line? How difficult and disruptive will integration of the technology be to the Industrial Partner? Will a shut-down be required and if so, for how long? How will the project demonstrate the innovative aspects of the technology? (Maximum 300 words) \***

|  |
| --- |
|  |

### **d) List and explain the main aims and objectives of your demonstration project. Please list and explain the overarching aims and objectives for your demonstration project and how these will be achieved. Explain how the IEEA will help you achieve these aims and objectives. (Maximum 200 words) \***

|  |
| --- |
|  |

### **e) List the criteria you will use to assess project success\* The criteria will need to be verifiable following project completion. An energy or resource efficiency performance related success criterion must be included in the application. Otherwise, applicants are free to determine their own project specific success criteria that they feel are appropriate to their project. Download and complete** [**Table 1**](https://files.smartsurvey.io/3/0/P1ZXSUR6/Table1_Project_Success_Criteria_v1.0.docx)**, and then upload it here.** Max Upload Size Per File: 5MB Max Number of Files: 1

### **f) Describe how you will monitor the project results Taking account of the project success criteria (specifically energy / resource efficiency), outline the measurements and data analysis which will be included in the project to determine both baseline and demonstrator project performance. (Maximum 200 words) \***

|  |
| --- |
|  |

### **g) Outline the metering equipment you already have in place or plan to install as part of the project and explain how this will be suitable for measuring, collecting and supplying the data required to comply with long term benefits and compliance monitoring. Note: A full Measurement and Verification (M&V) plan will be required during project planning for successful applicants. Consideration of developing and implementing the M&V plan should be given when developing the project costing. Guidance on preparing the full M&V plan is included in the Guidance notes and provides a helpful overview of later requirements. (Maximum 200 words) \***

|  |
| --- |
|  |

If you wish, you may upload one piece of documentation to support your answers above (which may include figures and photos).  
  
However, assessors are not obliged to read extra material as it is considered optional and supplementary to the text supplied here.  
  
Maximum number of files - 1  
Maximum size of files - 20MB

Uploading...



**7. Potential Impact**

**Criterion 2:** In this section you should state how much energy or resource your technology / process change is expected to save. This section provides an opportunity to demonstrate project compatibility with HMG's Net Zero commitments. HMG is committed to Net Zero, so we are looking to fund applicants that will make a significant contribution to a Net Zero pathway.You will be scored based on the quality and credibility of the efficiency justification and savings reductions; including realism of assumptions and acceptability of arguments used.  
 **(Weighting 20%)**

1. **Project impact**

### **a) Provide calculations to show the typical energy and/or resource savings over typical and current best practice of using your technology. This may be a percentage per tonne of product produced, or per typical site per year. Please state types of fuel/material/waste types as appropriate. (Maximum 300 words) \***

|  |
| --- |
|  |

**b) Download** [**Table 2**](https://files.smartsurvey.io/3/0/YCK8W48A/Table_2_Energy_and_Resource_Savings_v1.0.docx)**, complete and upload to demonstrate the savings you expect to make with this project  
  
In table 2 please estimate the savings that will be achieved by the project at the demonstration site a) for the process it is being applied to, and b) the impact on the entire site energy/resource use.  
  
Also state c) the projected savings for a full site roll out if successful. Baseline and savings values for each energy and/or resource type should be stated, including absolute and percentage changes. The tables can be completed for energy and/or resource saving as appropriate to the project.  
  
The savings shown should be consistent with the savings calculations above.**

Please upload your completed Table 2 here.  
  
Maximum number of files - 1  
Maximum size of files - 20MB **\***

Uploading...

1. **Replication potential**

### **a) Which industrial processes and sector(s) may this technology be applied to? Provide a summary of the processes and sector(s) where deployment of the technology is likely. It may be that there are immediate sectors for deployment with further development required to achieve access to others, so this should be noted. (Maximum 250 words) \***

|  |
| --- |
|  |

### **b) What are the barriers to deploying the technology/process in the target sector(s), and how does this project help overcome them? Please state immediate and longer-term barriers to deploying the technology and show how the demonstrator project addresses these. Are there additional future barriers to deployment across other sectors? The barriers could include technical, commercial, operational or supply chain issues. (Maximum 250 words) \***

|  |
| --- |
|  |

### **c) What proportion (%) of your target sector(s) might realistically implement the technology/process change over the next 5 years and 10 years (stating any market size estimates)? (Maximum 300 words) \* Please consider the following:**

* What is the overall size of the market in the UK (if known)?
* What proportion of sites is the technology applicable to?
* Provide a realistic estimate of the number of these sites that may take up the technology
* Will implementation at these sites be retrofit or replacement of existing assets?

|  |
| --- |
|  |

### **d) Please estimate the potential energy, resource and carbon savings for the target sector(s) over the next 5 years, based on the realistic technology penetration rate stated above. Please show all of your calculations**

### **(Maximum 300 words) \***

|  |
| --- |
|  |

**8. Commercialisation prospects**

**Criterion 3: In this section, please give an overview of the intended business model for commercialising your technology and/or process.**  
  
Following the IEEA demonstrator, how will commercialisation of the technology be achieved? consider the following points (as appropriate):

* Who will manufacture the product?
* Has a supply chain been established and is there sufficient capacity to meet expected demand?
* Are there future changes anticipated to the design or manufacture to commercialise the technology?
* Who will sell the product?
* Is there a relationship with the target sectors, if not how will a relationship be built?

Marks will be awarded for showing the extent to which the technology to be supported through this project can be prepared for commercial deployment in the stated sectors identified for future replication. It will assess how realistic and achievable the proposed plan for commercialisation is deemed to be, and the likelihood of widespread replication being achieved with a realistic return on investment.  
 **(Weighting 15%)**

1. **Business Model**

### **a) What is your overall business model? Will you manufacture and sell the technology or use licensing/partnership models? (Maximum 350 words) \***

|  |
| --- |
|  |

### **b) Describe your planned route to market / go-to-market strategies (how will you acquire customers / sell product). (Maximum 250 words) \***

|  |
| --- |
|  |

### **c) What is the expected return on investment / payback period for this demonstration project? In the context of this demonstrator project, please state the years until payback on a simple payback basis. Also, please state the anticipated asset life of the technology. Simple Payback (years) = Project Cost (£) / Financial saving (£/yr) (Maximum 250 words) \***

|  |
| --- |
|  |

### **d) If applicants anticipate cost reductions during commercialisation of the project, please state how these will be achieved and state the expected cost to deploy the technology once commercialised? What is the expected return on investment / payback period per project once the technology is commercialised? (Maximum 250 words) \***

|  |
| --- |
|  |

### **e) What are your growth strategy and plans? Describe your ability to scale up your operations once the technology is demonstrated. (Maximum 150 words) \***

|  |
| --- |
|  |

1. **Intellectual Property**

**As a publicly funded demonstrator project it is important to ensure that there are no barriers to adoption into the marketplace.  
  
Please note, it is not necessarily a requirement that technology developers have patents in place before or after the project. However, it is the applicant’s responsibility to ensure that they do not infringe on the IP rights of others.**

### **a) Are there patents in place (or pending) for the technology and/or process? Who owns these? Please highlight any restrictions (e.g., by geography, sector etc). Is there any competitor IP which may restrict rights to develop and commercialise the technology (or are any licensing agreements in place)? (Maximum 150 words) \***

|  |
| --- |
|  |

### **b) Identify any intellectual property that is likely to be generated by the demonstrator project. (Maximum 150 words) \***

|  |
| --- |
|  |

### **c) Who will have ownership of any IP generated and how it will be protected? If IP rights are shared, please describe the structure of this. If the industrial partner will own some of the rights following the project, then will they allow roll out to other companies in the sector? (Maximum 150 words) \***

|  |
| --- |
|  |

**9. Project design and deliverability**

**Criterion 4:** This section will assess the design of the project and how feasible it is to implement. It will also examine the strength and experience of the consortium and project team.  
  
Marks will be awarded for

* the appropriateness of the project team’s skills and experience, their aligned responsibilities, ability to manage the project and suitability for their role on the project
* a project plan with realistic timeline and the detail of tasks for identified work packages
* a robust risk management plan with key risks outlined and their associated mitigation plan

**(Weighting 20%)**

1. **Project Plan**

**This section allows you to demonstrate how your project will be delivered and that you have the resources and expertise available to be able to effectively carry out the work required.  
  
We are looking for you to identify and describe the actions, milestones and deliverables associated with the project.**

### **a) Please upload a Gantt chart to show the project plan including work packages, milestones and deliverables. Upload one file. The file must be less than 15 MB.** Max Upload Size Per File: 15MB Max Number of Files: 1 **\***

Uploading...



### **b) Please outline the proposed work packages for this project. Each work package must have an aim, a list of tasks indicating which partner is responsible for each task and a specific deliverable(s). These work packages and tasks should be presented on the Gantt chart. Give a brief overview of each work package, including the responsible owner, expected costs and timelines of each. Please download the** [**Work Package Table**](https://files.smartsurvey.io/3/0/ISYBJCO5/Work_Package_Table_v1.0.xlsx) **here and re-upload below.** Max Upload Size Per File: 20MB Max Number of Files: 1 **\***Uploading...



### **c) Describe how the project will be managed, outlining any major tools and mechanisms you will use to get a successful project outcome. (Maximum 200 words) \***

|  |
| --- |
|  |

### **d) Describe what level of contingency (with regards to personnel, timescales etc.) has been allocated within the project and why. (Maximum 200 words) \***

|  |
| --- |
|  |

### **e) Outline any project dependencies, lead-in times, assumptions or decision-making timescales. (Maximum 150 words) \***

|  |
| --- |
|  |

### **f) Describe the resources, equipment and facilities needed for the project and how you will access them. (Maximum 150 words) \***

|  |
| --- |
|  |

1. **Project Team**

**Provide an overview of the Project Team (As a minimum to include a named Project Manager, Project Director, and Technical Lead for the lead applicant, and a Project Lead for each consortium member). Please include a brief biography below for each key team member and attach Letters of Support from each project partner. You may also optionally attach short CVs for key team members.**

### **a) Outline the project team structure, including the organisational roles, and roles of key team members. (Maximum 400 words) \***

|  |
| --- |
|  |

### **Please attach an organogram here using the 'choose file' option below.** Max Upload Size Per File: 20MB Max Number of Files: 1 **\***

### **b) Provide brief biographies (1 paragraph each) for each of the key personnel. Describe their organisation, current job role, role in the project, and relevant experience. You may optionally upload CVs in the Further information section (Maximum 800 words) \***

|  |
| --- |
|  |

### **c) Provide a brief summary of the partner organisations. What are the key activities and markets for each organisation? Describe the consortium members’ relevant experience managing and delivering projects that have led to the development and implementation of novel technology on site. (Maximum 400 words) \***

|  |
| --- |
|  |

### **d) Will you be employing subcontractors as part of your project? \***

|  |  |
| --- | --- |
|  | Yes |
|  | No |

### **Where subcontractors will be employed as part of the project, please describe their roles and expertise, how they are essential for the effective completion of the project and how they will be managed. You should explain why your work could not be covered by internal resource, why the chosen subcontractor has been selected, and how their skills and expertise will ensure the successful completion of the project. (Maximum 200 words)**

|  |
| --- |
|  |

1. **Risk Management**

**The key risks associated with the project should be identified from a range of sources (for example technical, delivery, project team, financing), with these evaluated in the risk register for their likelihood and potential severity. Good answers will present strong mitigation actions to the key risks, showing how far these actions go to reducing these risks. A strategy should be described for how risks will be managed during the project.**

### **a) Please upload Please upload a risk register, taking care to include project risks associated with the technology, delivery, project team and financing of the project. The file must be less than 15 MB.** Max Upload Size Per File: 15MB Max Number of Files: 1 **\***Uploading...

### **b) Please describe in detail the three main challenges associated with delivery of the project and how these will be mitigated. (Maximum 300 words) \***

|  |
| --- |
|  |

### **c) Give a brief overview of the risk management process that will be associated with the project, including how new risks will be added and managed. (Maximum 300 words) \***

|  |
| --- |
|  |

### **d) Outline if there are any key health, safety and environmental risks associated with delivering the project, and if so, how will these be overcome. Please include details of any permitting that will be required for this project. (Maximum 200 words) \***

|  |
| --- |
|  |

**10. Project costs and value for money**

**Criterion 5:** You will be asked to show how your proposal provides the best possible value for money for the taxpayer.  
  
We are looking to see that an applicant has a clear grasp of the costs of the project. We also want to ensure that the applicant is claiming an amount of grant that represents value for the public purse, and **ensure that all costs are justified, eligible, fair market value and sufficiently disaggregated to judge that this is the case.**  
  
You will be scored based on the strength of the evidence and justification for the stated costs and the need for the amount of grant support requested. You should demonstrate that **the costs are realistic and justified and are likely to secure the expected project aims and deliverables.**  
 **(Weighting 20%)**

**1) Please upload project costs according to this template.**

* **You must complete the BEIS Project Finance Form. Please download the excel spreadsheet, which is available by clicking on** [**this link**](https://files.smartsurvey.io/3/0/2KRHICJQ/IEEA_Competition_Finance_Form_v5.0.xlsx)**. Please refer to the application guidance when completing this document.**
* **Once you have completed the form please save it locally.**
* **The BEIS Project Finance Form can then be uploaded using the 'choose file' option below.**

### **To complete this section please upload a completed BEIS Project Cost Breakdown for Phase 1 here. Max upload size per file - 5MB Max number of files - 1 \***

Uploading...



**2) Describe or explain the steps you have taken to minimise costs to ensure that this project represents value for money for the government. (Maximum 600 words) \***

|  |
| --- |
|  |

### **3) Do you have sufficient funding to operate for the full duration of the project? If not, how do you intend to generate the match funding needed (e.g., sales of other products/services, or private investment). What track record do you have in generating the level of match funding needed? (Maximum 200 words) \***

|  |
| --- |
|  |

**11. Assessment Criteria End**

**The previous criterion on project costs and value for money provides the last questions to be answered in the section on assessment criteria. There are further required questions to be answered in order to complete the application. Please continue to the next page.**

**12. Further Information**

### **Referenced Figures (will be assessed) The applicant’s response must be entered in the text box(es) where provided in the Assessment Criteria section. Applicants who wish to support their responses with figures (e.g., illustrations/PFDs/graphs/charts/schematics) may attach these here as part of the Referenced Figures single attachment (max. 20MB allowance provided). Applicants must clearly label the figures in the attachment and reference the figures in their response within the text box to ensure they are assessed. Any further text submitted within this attachment will not be assessed. To complete this section, you may upload referenced figures here.** Max upload size per file – 20MB Max number of files – 1 Uploading...

### **Supporting Information Additional letters of support or other supporting information can also be submitted here before you submit your online application form, where they add background/ supporting information (this could include but not limited to relevant papers, assumptions/ calculations to back up the assertions made in the application) to the application. However, the assessment will be based on the information directly written in the online application; you should not assume that any additional information will be cross-referenced or reviewed as part of the selection process. Applicants may upload up to 4 such attachments (max. 20MB per attachment). Upload further information documents here.** Max upload size per file - 20MB Max number of files - 4

Uploading...



**13. Project Partnerships**

### **Is this a collaborative application? If yes you will be asked to provide contact and organisation details for each partner. \***

|  |  |
| --- | --- |
|  | Yes |
|  | No |

**14. Partner 1 Contact and Organisation Details**

**You will be able to enter the contact and organisation details for up to 3 partners in this application form.  If you have more than 3 partners, you will need to enter the contact and organisation details for these additional partners in a separate form.  There is a link to it once you have completed the 3rd partner entry in this application form.**

### **Contact Details**

|  |  |  |
| --- | --- | --- |
| Title | |  | | --- | |  | |
| Name | |  | | --- | |  | |
| Position | |  | | --- | |  | |
| Email | |  | | --- | |  | |
| Mobile Number | |  | | --- | |  | |
| Organisation Website | |  | | --- | |  | |

### **Organisation Name**

|  |
| --- |
|  |

### **The registered address of the Partner Organisation**

|  |  |  |
| --- | --- | --- |
| Address Line 1 | |  | | --- | |  | |
| Address Line 2 | |  | | --- | |  | |
| Address Line 3 | |  | | --- | |  | |
| Town/City | |  | | --- | |  | |
| Postcode/Zip Code | |  | | --- | |  | |

### **County (if applicable)**

|  |
| --- |
|  |

### **UK Region (if applicable)**

|  |
| --- |
|  |

### **Country**

|  |
| --- |
|  |

### **Organisation Type**

|  |  |
| --- | --- |
|  | Not for Profit |
|  | Private Company |
|  | Public Limited Company |
|  | Public Sector Organisation |
|  | Research Organisation |
|  | University |
|  | Other (please specify):   |  | | --- | |  | |

### **What is the size of the organisation?**

|  |  |
| --- | --- |
|  | Micro Enterprise <10 employees |
|  | Small Enterprise <50 employees |
|  | Medium Enterprise <250 employees |
|  | Large Enterprise |

### **Number of employees (including directors)**

|  |
| --- |
|  |

### **Company Registration Number**

|  |
| --- |
|  |

### **Turnover Amount (in most recent annual accounts) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **Turnover Date (in most recent annual accounts)**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **Balance Sheet Total (total assets net of depreciation) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **Balance Sheet Date (total assets net of depreciation)**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **Is the Organisation able to recover VAT?**

|  |  |
| --- | --- |
|  | Yes |
|  | No |

### **Organisation Maturity**

|  |  |
| --- | --- |
|  | Pre-Startup |
|  | Startup - <1 year |
|  | 1-5 years |
|  | 6-10 years |
|  | >10 years |

### **How is the organisation currently funded? (Choose all that apply)**

| No Funding | Founders (including bank loans) | Friends and Family | Public Sector Grants | Angel Investment | Venture Capital | Private Equity | Stock Market Flotation |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

### **Does the organisation have a parent company? (If yes you will be asked to provide details)**

|  |  |
| --- | --- |
|  | Yes |
|  | No |

**Please confirm that the project partners will sign a collaboration agreement if you are successful** \*

|  |  |
| --- | --- |
|  | Yes |
|  | No |

**15. Parent Company Details (for Partner Organisation)**

### **Parent Company Details**

|  |  |  |
| --- | --- | --- |
| Organisation Name | |  | | --- | |  | |
| Address Line 1 | |  | | --- | |  | |
| Address Line 2 | |  | | --- | |  | |
| Address Line 3 | |  | | --- | |  | |
| Town/City | |  | | --- | |  | |
| Postcode/Zip Code | |  | | --- | |  | |

### **Country**

|  |
| --- |
|  |

### **Number of employees (including directors)**

|  |
| --- |
|  |

### **Company Registration Number**

|  |
| --- |
|  |

### **Turnover Amount (in most recent annual accounts) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **Turnover Date (in most recent annual accounts)**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **Balance Sheet Total (total assets net of depreciation) Please include the currency of the amount in your response.**

|  |
| --- |
|  |

### **Balance Sheet Date (total assets net of depreciation)**

|  |  |  |
| --- | --- | --- |
|  | DD/MM/YYYY |  |
|  | |  | | --- | |  | |  |

### **Organisation Maturity**

|  |  |
| --- | --- |
|  | Pre-Startup |
|  | Startup - <1 year |
|  | 1-5 years |
|  | 6-10 years |
|  | >10 years |

**Please note that the online form provides the option to add 3 additional partners in the same format as the above.**

**If you need to add additional partners,** [**please click on this link to download the excel spreadsheet**](https://files.smartsurvey.io/3/0/S6XAGJ8X/BEIS_Additional_Project_Partner_Contact_and_Organisation_Details.xlsx)**where you can add contact and organisation details. You then need to upload this form to the section on Further Information at the end of the application.**

**16. Additional Information**

### **The answer to the following question will only be taken into account once the application has been fully assessed to ensure projects are not double funded. Have you applied, or are you planning to apply, for any other government funding for this project? \***

|  |  |
| --- | --- |
|  | Yes |
|  | No |

and if yes, please specify

|  |
| --- |
|  |

**17. Programme Performance Indicators and Benefits**

**The information you provide in this section will not be part of the assessment criteria in moderation**

### **How would you describe the nature of your innovation project? \***

|  |  |
| --- | --- |
|  | Product Development |
|  | Hardware Development |
|  | Service Development |
|  | Software Development |
|  | Process Development |
|  | Other (please specify):   |  | | --- | |  | |

### **State how many FTE jobs could be supported in your organisation as a result of participation in this project? (enter a number) \***

|  |
| --- |
|  |

### **What is the number of Partner Organisations supported to deliver the project? (enter a number) \***

|  |
| --- |
|  |

### **Technology Readiness Level at Project Start \***

|  |
| --- |
|  |

### **Expected Technology Readiness Level at Project Close \***

|  |
| --- |
|  |

### **Commercial Readiness Level at Project Start \***

|  |
| --- |
|  |

### **Expected Commercial Readiness Level at Project Close \***

|  |
| --- |
|  |

### **What do you think are the current market barriers to the commercial exploitation of your innovation? Please select all that apply. \***

|  |  |
| --- | --- |
|  | Accessing export markets |
|  | Accessing UK based markets/customers |
|  | Availability of finance |
|  | Capital intensive demonstration phases |
|  | Further technical, scientific or engineering challenges |
|  | High levels of competition |
|  | Lack of clarity on Government policy |
|  | Lack of industry standards |
|  | Large incumbent firms using proven technology |
|  | Sector culture and behaviour in favour of proven technologies |
|  | Unable to fulfil an increase in orders |
|  | UK Government regulations |
|  | None of the above |
|  | Does not apply |

### **The [Competition Name] Competition will aim to realise the following benefits. Please select which benefits your innovation could potentially contribute to. This is not a scored section. \***

|  | Yes | No |
| --- | --- | --- |
| **Supply Chain Development** Help support the growth of ‘clean growth’ supply chain companies in key technology and engineering sectors. |  |  |
| **Export Opportunities** Support development of domestic and export markets. Multiple countries are developing hydrogen strategies, which have low carbon hydrogen production targets of multiple GWs. A recent update to the Energy Innovation Needs Assessment (EINA) estimates that by 2050 an active UK hydrogen economy could generate a GVA of £11.7bn and support 100,000 jobs from both domestic and export markets. Without support for innovation projects the hydrogen economy is unlikely to achieve this market share. |  |  |
| **Policy Insights** Provide insight into costs, performance and what is required to remove technology and market barriers to deploying hydrogen supply solutions. |  |  |
| **Spillover Benefits** Result in knowledge spillovers, where discoveries made from advancing your innovation could enable developments in other sectors. The projects could also provide wider benefits supporting the development of a hydrogen economy. |  |  |
| **Green Jobs** Increase number of jobs working on ‘building back better’ in the UK. |  |  |
| **Carbon Savings** Increase carbon savings through improved efficiencies, greater capture rates or through enabling greater applicability for hydrogen to decarbonise the energy system. |  |  |
| **Reduced Costs** Increase and de-risk the range of products on the market which could enable greater competition. |  |  |

**18. Application Form Checklist**

### **As well as the completion of this Application Form please check that, if required, you have provided the following information. \***

|  | Yes | No |
| --- | --- | --- |
| Project Success Criteria (section 8.2) |  |  |
| Energy/resource savings table (section 9.1) |  |  |
| Project Plan (section 11.1) |  |  |
| Work packages table (section 11.1) |  |  |
| Project Team organogram (section 11.2) |  |  |
| Risk Register (section 11.3) |  |  |
| Project cost template (section 12) |  |  |

**19. Signatory Page**

**Please ensure that the named primary contact in the Contact and Lead Organisation Details section checks and signs this application before returning it to BEIS.**

### **Enter details below \***

|  |  |  |
| --- | --- | --- |
| Name of Organisation | |  | | --- | |  |   \* |
| Signature Please insert name | |  | | --- | |  |   \* |
| Position in Organisation | |  | | --- | |  |   \* |
| Date (DD/MM/YYYY) | |  | | --- | |  |   \* |

### **Do you give BEIS permission to contact you/your organisation in relation to your application and to provide updates on its progress. We may also share with you further details on the Industrial Energy Efficiency Accelerator when available? Consent is required for the application to be submitted. \***

|  |  |
| --- | --- |
|  | Yes |

**Thank you for completing your application to the Industrial Energy Efficiency Accelerator Competition.  
  
Once you click on the "Submit Application" button below, your application will be submitted, and you can not resubmit.  
  
You will be emailed a copy of your submission. Please check your junk folder in case it has not come through.  
  
You will then be asked three questions being collected on a voluntary basis under the Equality Act 2010. After which you will be requested to complete a short evaluation survey designed to help BEIS improve how it runs future competitions within the Net Zero Innovation Portfolio (NZIP).  
Please note that neither contribute towards the scoring of your application.  
  
Eligibility, assessment, and moderation of bids is due to be completed by March 2022 (subject to change and based on the number of applications).**

**Following this, notification letters will be sent out to all applicants informing them of the outcome of the assessment.  
Successful applications will be subject to further due diligence checks before final award.**