**

Industrial Hydrogen Accelerator

Application Form – Stream 2A – Word Version (Reference only)

Important: please fill in this form using the Industrial Hydrogen Accelerator Stream 2A Competition Guidance Notes (April 2022)**.

This document is to enable applicants to work offline to view questions and plan your response; it is for reference only and cannot be submitted as your application. You must complete your application using the Industrial Hydrogen Accelerator [Stream 2A online application form](https://www.smartsurvey.co.uk/s/IHA_Stream2A_Application_Form/).

If you are using the Word document to draft your answers ahead of entering them in the online application form please note that rich text formatting e.g. bullet points, is not supported by the online application and you will need to use standard punctuation such as a dash (-) to separate points.

All questions denoted with an \* are mandatory.

**Personal data provided will be processed as per the** Privacy Notice **in line with General Data Protection Regulations, which can be accessed through the online application form.**

**The application form with supporting information must be submitted by 14:00 BST, 23 June 2022.**

**
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Any enquiries regarding this publication should be sent to us at: nzip.hydrogen@beis.gov.uk**

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# Proposal Summary

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

|  |
| --- |
|   |

**Project Name \***

|  |
| --- |
|   |

**Stream 2A Estimated Start Date \***

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

**Stream 2A Project Duration (months)**

|  |
| --- |
|   |

**Stream 2A Estimated End Date \***

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

**Stream 2A Total Feasibility Project Costs (£)**
*Please enter the total amount of BEIS funding required for the Stream 2A project excluding VAT.* ***\****

|  |
| --- |
|   |

**Estimated Stream 2B Total Demonstration Project Costs (£)**

*Please enter the estimated cost of the Stream 2B demonstration project excluding VAT.* \*

|  |
| --- |
|   |

**Please give a brief description of the project.

(Maximum 400 words) \***

|  |
| --- |
|   |

# Eligibility Criteria

To be eligible for funding, proposed projects must meet all the following eligibility criteria. Please check the relevant boxes against each eligibility criterion. Please see **Section 5**of the Competition Guidance Notes /ITT for further information.
Applications which fail the Eligibility Criteria will not be assessed further, so it is essential to ensure that your project meets these criteria before you submit your application.
If you have any questions on the eligibility criteria please submit them to nzip.hydrogen@beis.gov.uk by 14:00 BST, 18 May 2022.

**1. Technology and Project Scope**The competition is looking to fund innovation in end-to-end hydrogen fuel switching in industrial applications.

Projects must include hydrogen generation, hydrogen delivery infrastructure and industrial end-use in a robust chain as a single project.

The hydrogen generation technology must confirm it can be operational by January 2025 and low carbon by 2030.

The core hydrogen end-use must be for industrial processes under industrial operational conditions (but these could be simulated at a pilot facility). A minimum of 50% of the hydrogen generated in the demonstration project in the timeframe of this competition funding must be used for the core industrial application(s).

Please see Section 2.2 of the competition guidance for more detail on stipulations and exclusions of the project scope.

|  | Yes | No |
| --- | --- | --- |
| **Is this project and technology in scope? \*** |    |    |

**2. Innovation and Technology Readiness**The competition is to support the development of innovative hydrogen fuel switching solutions, which are not yet in commercial operation. Stream 2A feasibility studies must be focussed on the feasibility of the Stream 2B demonstrator/FEED projects. The competition will support pre-commercial feasibility, FEED and demonstration activity, but will not support commercial operation.

The end-to-end industrial hydrogen system will likely be made up of component technologies, some of which may be more mature than others. There are no specific technology readiness levels required for the component technologies, but projects must be able to justify that the full solution and/or specific technologies within it are innovative and unproven prior to launch. This includes confirming that the system can’t currently be procured as a whole on the open market and there is uncertainty over its success. Note that individual components are permitted to be mature/commercially available.

|  | Yes | No |
| --- | --- | --- |
| ***Is this proposed system innovative and pre-commercial? \**** |    |    |

**3. Project Activity**

BEIS is unable to fund retrospective work on projects.

|  | Yes | No |
| --- | --- | --- |
| **Can you confirm that your application does not seek funding for retrospective work on this project? \*** |    |    |

**4. Multiple Applications and Projects**

Applicants may submit more than one application to the overall competition. Applicants may submit more than one application to Stream 2A, provided they are materially different in their core innovation and/or configuration.

Applicants are encouraged to choose between Stream 1 and Stream 2A depending on how much feasibility work has already been completed on the project. If a project considers itself applicable to both IHA Streams, the applicant may apply to both Streams for the same project, but will need to fill out separate applications and declare on the application that the project has applied to both Streams. The same project or scope of work cannot be funded twice.

|  | Yes | No | Not applicable |
| --- | --- | --- | --- |
| ***If you or your consortium are part of multiple applications to Stream 2A, can you confirm that the core innovation/system developed is materially different in each application? \****  |    |    |    |

If project leads, partner(s) or subcontractors are part of multiple successful bids, they must be able to deliver on all projects if they are successful.

|  | Yes | No | Not applicable |
| --- | --- | --- | --- |
| ***If you or a project partner are part of multiple successful applications, would you and/or they be able to successfully deliver all projects, if necessary? \**** |    |    |    |

**5. Project Timescale**It is anticipated that project delivery will begin in September 2022. Projects will be required to produce a presentation of interim findings at the mid-point of the project. Exact target dates for this milestone will be agreed between the successful projects and BEIS prior to awarding the contract.

Stream 2A draft feasibility studies must be completed and sent to BEIS for approval by Friday 6th January 2023. The BEIS monitoring officer will review the feasibility study and feedback accordingly in 2 weeks (20th January 2023), with a final report due by Friday 10th February 2023. Should the project be successful in Stream 2B, all project work related to the Stream 2B demonstrator/FEED, including the final approved BEIS report, must be completed by Friday 7th March 2025.

Projects accepted for funding for Stream 2A will not automatically progress into Stream 2B, which is a separate competition. However, BEIS will consider projects’ capacity to deliver Stream 2B demonstration/FEED projects in the initial application.

|  | Yes | No |
| --- | --- | --- |
| ***Can you confirm that your feasibility study will be completed within the timescales set out? \**** |    |    |

**6. Additionality**Projects can only be funded where evidence can be provided that innovation would not be taken forwards (or would be taken forwards at a much slower rate) without public sector funding.

|  | Yes | No |
| --- | --- | --- |
| **Can you confirm that this project would not be taken forward (or would progress at a much slower rate) without public sector funding? \*** |    |    |

**7. Contract Size and Funding**

Contracts will be awarded in two phases:

Stream 2A (this competition) - Feasibility Study (SBRI). The contract size per project is up to £400,000 (this must cover 100% of eligible project costs). The approach to funding is outlined in Section 4 of the Competition Guidance/ITT. Eligible costs for the Stream 2A competition are available in Appendix 3: Eligible and Ineligible Costs of the Competition Guidance/ITT.

Stream 2B (succeeds this competition) – Demonstration/FEED (grant). The indicative maximum funding available per demonstration/FEED project will be £7 million. Stream 2B will be a grant competition, so the project teams must provide match funding in accordance with the guidance on eligible costs and funding amounts set out in in Section 8.8 of the Competition Guidance.

|  | Yes | No |
| --- | --- | --- |
| **Can you confirm the funding requested from BEIS for your Stream 2A feasibility project does not exceed £400,000? \*** |    |    |
| ***Can you confirm the funding requested from BEIS for your likely project for Stream 2B will not exceed £7 million, and that you will be able to source the required match funding for this project? \**** |    |    |

**8. Eligible Project Costs**SBRI funding is aimed at organisations working on research and development (R&D) of an innovative process, material, device, product, or service prior to commercialisation. Funding is available for R&D activities only, including related dissemination activity. Projects requesting funding for commercialisation activities are not eligible.

BEIS must fund 100% of eligible project costs, no match or in-kind funding is allowed. Project costs must not include profit to the lead applicant or consortium partners.

As this Stream 2A competition supports feasibility studies we don’t anticipate notable spending on capital equipment. However please note that under SBRI rules, we will only fund the cost of use of capital equipment for the duration of the project, unless the equipment is specialised and bespoke enough that it only has a value for the duration of the project.

Please see Appendix 3: Eligible and Ineligible Costs in the Competition Guidance/ITT for the full list of eligible project costs.

|  | Yes | No |
| --- | --- | --- |
| ***Can you confirm that requested funding is for eligible costs and BEIS will fund 100% of those costs? \**** |    |    |

**9. Risk Benefit Sharing**
The sharing of risks and benefits is an important aspect to the SBRI approach. Projects receive financial support and retain any intellectual property generated, with certain rights of use retained by BEIS (see Conditions 27 and 28 of the standard terms and conditions in Annex 1B). Project outputs are also expected to be shared widely and publicly and project teams are not permitted to include profit in the eligible project costs.

|  | Yes | No |
| --- | --- | --- |
| ***Do you agree to this risk-benefit sharing approach? \**** |    |    |

**10. Applicants and Project Team Composition**Stream 2A can be led by a single organisation or by a consortium. For consortium bids, a single project application must be submitted by the lead project member (the project co-ordinator) on behalf of the consortium members (project partners). Please note that all project partners will be required to complete the Standard Selection Questionnaire (Declaration 4).

Applications must be led by private organisations or research and technology organisations (RTO), and may not be led by universities or other non-commercial organisations. Similarly, other Government Departments, Agencies and local authorities are not eligible to enter as the lead applicant for any IHA stream, but they can act as a project partner or sub-contractor. Special Purpose Vehicles are permitted to lead projects only if they are constituted as legal entities.

|  | Yes | No |
| --- | --- | --- |
| ***Do you confirm that this project has a credible route to market and is led by a private organisation or RTO? \****  |    |    |

**11. UK Requirements**
Projects can work with international partners, but over 50% of the funded project work (by value) must be conducted in the UK. Stream 2B demonstrators must be conducted in the UK.

|  | Yes | No |
| --- | --- | --- |
| ***Can you confirm that > 50% of the work (by value) will be carried out in the UK and the Stream 2B demonstrator (where relevant) would be located in the UK? \**** |    |    |

# Contact and Lead Organisation Details

**1. Primary Contact Details \***

|  |  |  |
| --- | --- | --- |
| Title   |

|  |
| --- |
|   |

 |
| Full Name   |

|  |
| --- |
|   |

 |
| Position   |

|  |
| --- |
|   |

 |
| Mobile Number   |

|  |
| --- |
|   |

 |
| Organisation Name   |

|  |
| --- |
|   |

 |
| Organisation Website   |

|  |
| --- |
|   |

 |

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

|  |
| --- |
|   |

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

|  |  |  |
| --- | --- | --- |
| Organisation Name   |

|  |
| --- |
|   |

 |
| Address Line 1   |

|  |
| --- |
|   |

 |
| Address Line 2   |

|  |
| --- |
|   |

 |
| Address Line 3   |

|  |
| --- |
|   |

 |
| Town/City   |

|  |
| --- |
|   |

 |
| Postcode/ Zip Code   |

|  |
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|   |

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**4. County (If Applicable)**

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

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| --- |
|  |

**6. Country \***

|  |
| --- |
|   |

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

You will be asked to provide project location details in the separate BEIS Project Cost Breakdown/ Finance Form. \*

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

**8. Lead Organisation Type \***

|  |  |
| --- | --- |
|    |  |
|    | Private Company |
|    | Research Organisation |
|    | Other (please specify):

|  |
| --- |
|   |

 |

**9. Lead Organisation Size \***

|  |  |
| --- | --- |
|    | Micro Enterprise <10 employees |
|    | Small Enterprise <50 employees & turnover ≤€10m (approx. £8m) or balance sheet total ≤€10m (approx. £8m) |
|    | Medium Enterprise <250 employees & turnover ≤€50m (approx. £40m) or balance sheet total ≤€43m (approx. £35m) |
|    | Large Enterprise  |

**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 |   |
|  |

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|   |

 |   |

**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 |
| --- | --- | --- | --- | --- | --- | --- | --- |
|    |    |    |    |    |    |    |    |

**19. Lead Organisation Status: a brief introductory description of the company.**

(Maximum 400 words) \*

|  |
| --- |
|   |

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

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

# Parent Company Details (if applicable)

**1. Parent Company Details \***

|  |  |  |
| --- | --- | --- |
| Organisation Name\*   |

|  |
| --- |
|   |

 |
| Address Line 1\*  |

|  |
| --- |
|   |

 |
| Address Line 2   |

|  |
| --- |
|   |

 |
| Address Line 3   |

|  |
| --- |
|   |

 |
| Town/City\*   |

|  |
| --- |
|   |

 |
| Postcode/ Zip Code\*   |

|  |
| --- |
|   |

 |

**2. Country \***

|  |
| --- |
|  |

**3. Number of employees (including directors) \***

|  |
| --- |
|   |

**4. Company Registration Number \***

|  |
| --- |
|   |

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

|  |
| --- |
|   |

**6. Turnover Date (in most recent annual accounts)**

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

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|   |

 |   |

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

|  |
| --- |
|   |

**8. Balance Sheet Date (total assets net of depreciation)**

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

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|   |

 |   |

**9. Organisation Maturity**

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

# Assessment Criteria

This section seeks information to address the Competition Assessment Criteria: these criteria will be used to mark the projects during the assessment process. The assessment criteria for the**Industrial Hydrogen Accelerator**competition is broken down into 5 separate criteria, with sub-criteria.
Please see **Section 6** of the Competition Guidance Notes/ITT for further information.

**Guidance – Additional Attachments:**

**Referenced Figures (optional, assessed if referenced, maximum 5 pages and 20MB per submission)**
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/graphs/charts/schematics/process flow diagrams) may attach these as part of the **Referenced Figures** attachment below the relevant responses. 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** attachments will not be assessed.

**Letters of Support (optional, maximum 10 pages and 5MB)**
Letters of support from organisations key to the project delivery, which can include any draft agreements with suppliers / partners, can also be submitted in the **Further Information** section before you submit your online application form. Any further text submitted within the **Letters of Support** single attachment will not be assessed.

### Criterion 1: Innovative solution

Applicants are expected to:

* Explain what the proposed hydrogen solution is, summarise its benefits, and give an overview of the project to be carried out in the feasibility and demonstration/FEED streams. State the estimated scale (MW) of the proposed Stream 2B project. Provide evidence that the integrated system is a robust end-to-end hydrogen system i.e. it is a full system configuration that, if successful, could reasonably be utilised and/or scaled up for use long term on a commercial basis. Describe how the project will support the competition objectives.
* Describe how the proposed system is innovative and novel and outline the core innovation(s) in the project. Explain whether any similar technologies exist, and how your proposed approach is different.
* Summarise any work that has been done to date on the solution. Describe what technological progress will be made through the project and the potential for knowledge gain in the system and technologies. Estimate and justify the TRL of the system and separately its component technologies, where possible, at the start and end of the feasibility study and proposed demonstrator/FEED project.

Higher marks will be awarded to answers where the project is: clearly described; will strongly support the competition objectives; is innovative; and will lead to a large amount of technological progress.

Applicants may include referenced figures (e.g. illustrations/graphs/charts/schematics/ process flow diagrams) to support their answer within the referenced figures attachment below. 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** attachment will not be assessed.

**(Weighting for Criterion 1 – 15%)**

**(Maximum 1,000 words) \***

|  |
| --- |
|   |

**Referenced Figures (optional, assessed if referenced, max 5 pages and 20MB)**

**Max number of files – 1**

Choose File

### Criterion 2: Performance, feasibility and cost of solution

This criterion will assess the performance, feasibility, scale and cost of the proposed solution, as well as the applicability of the solution to wider UK industry and the long term development plan.

**Criterion 2a: Performance and feasibility**

Applicants are expected to:

* Justify why you believe hydrogen is the best decarbonisation route for this process/site, considering technical and economic factors. Show that you have considered other decarbonisation options and explain why they are not possible/favourable.
* Describe the estimated performance (e.g. efficiency, lifetime, product impact) of the proposed solution. Explain which technologies you expect to use and how you will ensure this is the best design of the system. Compare the solution to the counterfactual and alternative options.
* Summarise any supporting evidence on the technical feasibility of the proposed approach and appraise outstanding technical challenges.
* Describe how the performance of the solution will be further validated through the feasibility study and demonstration/FEED. Describe how your project (feasibility and demonstration/FEED) will improve knowledge about the long term feasibility, reliability and viability of the solution.
* Describe (and if possible quantify) the applicability, adaptability and scalability of the solution and wider knowledge across UK sector(s), particularly industry. Estimate the proportion of UK industrial sites which could benefit from this system or the core technologies within it. Outline your long-term development plan for the system/solution and/or the component technologies, including any plans for promoting wider use.

Applicants may include referenced figures (e.g. illustrations/graphs/charts/schematics/process flow diagrams) to support their answer within the referenced figures attachment below, at the end of Criterion 2. 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** attachment will not be assessed.

**(Weighting for Criterion 2a – 15%)**

**(Maximum 1500 words)**

|  |
| --- |
|   |

**Criterion 2b: Cost of solution**

Applicants are expected to:

* Describe the estimated costs of the solution and component technologies (generation, transport, end-use) and how these compare with the current process and with other low carbon options. Where relevant, distinguish between the demonstration and commercial scale.
* Describe how the feasibility study phase will firm up costs for the demonstration. Indicate aspects of your end-to-end solution where cost uncertainties are particularly acute.
* Describe how the feasibility and demonstration/FEED projects would lead to improved evidence on system cost and to cost reductions in the commercialised solution.

Applicants may include referenced figures (e.g. illustrations/graphs/charts/schematics/process flow diagrams) to support their answer within the referenced figures attachment below. 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** attachment will not be assessed.
 **(Weighting for Criterion 2b – 10%)

(Maximum 1000 words)**

|  |
| --- |
|   |

**Referenced Figures (optional, assessed if referenced, max 5 pages and 20MB)**

 **Max number of files – 1**

Choose File

### Criterion 3: Social Value (Emissions, environment and safety)

Applicants are expected to:

* Provide an estimate of the expected emissions intensity (e.g. gCO2e/MJLHV H2) of the hydrogen produced, and the overall emissions abatement of the system relative to the current process (e.g. % emissions reduction). Use [Green Book](https://www.gov.uk/government/publications/valuation-of-energy-use-and-greenhouse-gas-emissions-for-appraisal) Guidance where relevant, and share the assumptions used. Explain whether you expect the hydrogen generation technology to meet the [Draft Low Carbon Hydrogen Standard](https://www.gov.uk/government/publications/uk-low-carbon-hydrogen-standard-emissions-reporting-and-sustainability-criteria). Projects with very low emissions and strong evidence will score higher.
* Explain how your proposed solution and the knowledge gained will support wider emissions reductions across the economy, and in particular UK industrial sectors, and describe how the emissions savings will contribute to the UK’s 2050 Net Zero target, and international targets.
* Describe and provide evidence on the wider environmental impact and safety of your solution (e.g. air quality, NOx, methane leakage, scarce materials, water usage, waste, noise, safety regulatory requirements etc – see Section 22 of the Competition Guidance document/ITT) and how any potential negative impacts can be mitigated.
* Describe how you will monitor, measure and report on your commitments/the impact of your project. Examples of reporting metrics might include:
	+ People hours spent disseminating knowledge on the low carbon solution to facilitate wider industrial decarbonisation.
	+ People hours spent working to minimise the environmental impacts of your solution through improved design.

Applicants may include referenced figures (e.g. illustrations/graphs/charts/schematics/process flow diagrams) to support their answer within the referenced figures attachment below. 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** attachment will not be assessed.

**(Weighting for Criterion 3 – 10%)**

**(Maximum 1000 words) \***

|  |
| --- |
|  |

**Referenced Figures (optional, assessed if referenced, max 5 pages and 20MB)**

**Max number of files – 1**

Choose File

### Criterion 4: Project financing

 This criterion will be used to assess whether the proposed project costs are eligible, accurate, realistic and justified in delivering the innovation. It will assess the additionality of public funding and the value for money of the project.

**Criterion 4a: Project cost breakdown form**

Fill out and upload the IHA project cost breakdown form (excel). This will be assessed on whether the proposed costs are eligible, accurate, realistic and justified in terms of the proposed project plans, sufficient to provide the deliverables sought, represent fair market value and are sufficiently disaggregated to judge that this is the case. BEIS will not normally pay overheads over 20%, unless robust justification is provided for this being surpassed. The eligible costs are set out in Appendix 3: Eligible and Ineligible Costs of the Competition Guidance document/ ITT.

|  |
| --- |
| * **Please download the excel spreadsheet, which is available on the competition** [webpage](https://www.gov.uk/government/publications/industrial-hydrogen-accelerator-programme/)**.**
* **Please refer to the competition guidance document and instructions in the excel when completing this document.**
 |
| * **Once you have completed the form please save it locally.**
 |

**(Weighting for Criterion 4a – 10%)**

**To complete this section please upload a completed IHA Project Cost Breakdown Form for Stream 2A here, using the ‘choose file’ option below.

Max upload size per file - 5MB
Max number of files - 1 \***

**Criterion 4b: Additionality and value for money**

Applicants are expected to:

* Explain how and why the availability of public funding makes a material difference to the ability of this project to progress (at all, and in the proposed timeframes), and what would happen in the absence of public funding. Please make clear the key uncertainties / risks around the outcome of the project that mean public funding is necessary to de-risk the project.
* Describe why the proposed project provides good value for money and fair market value for BEIS. Qualify and quantify the savings that are being passed on to HM Government to reflect the asymmetric balance of risks and benefits accruing to the project consortium and HM Government. For example through widely sharing the knowledge to support HMG goals, or through reasonable day rates or reduced rates on subcontracts. Match funding and in-kind contributions are not allowed in Stream 2A.
* Provide indicative information on Stream 2B demonstrator/FEED project costing. Please check the eligible costs in Section 8.4 of the Competition Guidance document/ITT. Outline where you expect the match funding required for the Stream 2B demonstration/FEED to come from and the level of that match funding.

Applicants cannot include referenced figures to support their answer.

**(Weighting for Criterion 4b – 15%)**

**(Maximum 1500 words) \***

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### Criterion 5: Project delivery

**Criterion 5: Project delivery**This criterion will assess the effectiveness, feasibility and efficiency of the delivery plan and risk management approach, as well as the skills and capabilities of the project team.

**Criterion 5a: Delivery plan, risk management and knowledge sharing**

*Attachments should be provided covering key work packages, Gantt chart and risk register, which will be assessed.* The delivery plan will be assessed on the basis of expected effectiveness and efficiency of delivery, including its completeness, appropriateness, deliverability in timeframe and access to materials facilities and skills.

* Provide the **key work packages document** for the Stream 2A feasibility study summarising the delivery plan. Outline and describe a project plan, listing the key tasks, skills and competencies required, and timescales.
* Provide a separate high-level **Gantt chart** for Stream 2A, including identifying key milestones, interdependencies and critical path items.
* Provide a high-level **project risk register** for the Stream 2A feasibility study and any risks that are foreseen for the proposed Stream 2B demonstration/FEED, identifying key risks and providing suitable management and mitigation strategies. In addition, provide a description of the risk management process, including how risks will be identified & rated, risk ownership, reporting and escalation.

**Applicants may attach separate documents for the below in the format chosen by the applicant:**

* **Work packages (max 3 pages)**
* **Gantt chart**
* **Risk register**

**These documents will be assessed.**

Max upload size per file - 20MB
Max number of files - 3 **\***

Choose File

**In the text box below, applicants are expected to:**

* Give evidence of access to any specialist facilities or materials needed to complete the feasibility project.
* Describe your indicative plan for the Stream 2B project, including timeframes and key roles. Identify long lead time capital items (e.g. electricity supply connection, gas pipework and electrolyser). Provide evidence of the feasibility to deliver a Phase 2B project in the time available i.e. to complete by February 2025.
* Describe how the evidence generated by the feasibility study will be shared with industry. The information shared should include lessons learned during the project and any challenges faced during delivery, as well as the public feasibility report. Provide details of the organisations/channels that the information will be disseminated through (e.g. meetings, webinars, events, industry publications). Explain how the findings will support stakeholder understanding of how to design, implement and deliver a hydrogen solution in an industrial application.

Applicants cannot include referenced figures to support their answer.

**(Weighting for Criterion 5a – 15%)**

**(Maximum 1,000 words) \***

|  |
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|  |

**Criterion 5b: Project team skills and capabilities**

* Provide an **organogram** outlining the involvement and roles of key organisations and individuals.
* Provide brief **CVs** of key individuals within the project team, including partner organisations, in an attachment to this criterion as supporting information (CVs should be no longer than 2 pages each).

 **Please upload a completed CV package and Organogram here. These can be in any format. CVs should be limited to 2 pages each.**

**Max upload size per file - 20MB**
**Max number of files - 2 \***

Choose File

Uploading...

In the text box below, applicants are expected to:

* Describe the relevant skills, qualifications, and experience of main project team members, including relevance to the role in the project and tasks to be undertaken. Give details of previous relevant work / projects carried out by specific team members, including the date, location, client, project size and relevance to this proposal.
* Describe whether and how the team may develop for the proposed Stream 2B demonstration/FEED.
* Demonstrate strong commitment of all participating organisations for Stream 2A, as well as letters of support from any proposed Stream 2B partners. Provide letters of support from any other organisations particularly key to the delivery of Stream 2B, for example key subcontractors or suppliers of long lead time capital items.
* Explain how the project team will ensure they have sufficient capacity to deliver the project(s), in particular if involved in multiple IHA applications (or other funding applications).

Applicants cannot include referenced figures to support their answer.

Applicants may include Letters of Support in the Letters of Support attachment after the end of the assessment criteria.

 **(Weighting for Criterion 5b – 10%)

(Maximum 1,000 words) \***

|  |
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# Further Information

**Guidance – Additional Attachments:**

**Letters of Support (optional)**Additional letters of support, which can include any draft agreements with suppliers, can also be submitted in this **Further Information** section before you submit your online application form. Any further text submitted within the **Letters of Support** single attachment will not be assessed.Uploading...

**Upload your letters of support document here.

Max upload size per file - 20MB
Max number of files - 1**

Choose File

# Assessment Criteria End

The previous criterion on Project Delivery 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.

# Collaborative Application

Is this a collaborative application? If yes please upload your Partner Information Form here.

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

# Additional Information

Have you applied, or are you planning to apply, for any other public funding for this project (including another IHA Stream)? **\***

This section is not scored. The answer to the following question will be taken into account to ensure projects are not double funded.

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

If Yes, please specify the funding body, date, amount of funding received/applied for and any other relevant information.

|  |
| --- |
|   |

# 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) \***

|  |
| --- |
|   |

**Estimated Technology Readiness Level of end-to-end system at Project Start \***

|  |
| --- |
|  |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    |

**Expected Technology Readiness Level of end-to-end system at Project Close \***

|  |
| --- |
|  |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    | [ ]    |
|  |  |  |  |  |  |  |  |  |

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

1-4 (dropdown descriptions will be provided in the online application form)

|  |
| --- |
|  |

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

1-4 (dropdown descriptions will be provided in the online application form)

**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 Industrial Hydrogen Accelerator Competition will aim to realise the following benefits. Please select which benefits your innovation could potentially contribute to. Projects should select benefits for which they can report on a minimum of one measure.**

This is not a scored section. **\***

|  | Yes | No |
| --- | --- | --- |
| **Accelerate Commercialisation**Number and value of contracts signed |    |    |
| Amount of private funding leveraged at project close |    |    |
| Amount of follow-on funding received |    |    |
| **Cost Reduction of Low carbon Technologies**Reduction in the cost of the technology |    |    |
| **Demonstrating UK leadership on the innovation**Number of domestic and international collaborations |    |    |
| Number of invitations to speak at international events |    |    |
| **Increased Knowledge Simulating Further Innovation**Amount of domestic and international interest in the technology |    |    |
| Number of projects sharing skills/ knowledge with companies through consultancy or human resources (staff exchange/contractors) |    |    |
| Publication of project reports   |    |    |
| Amount of media/research coverage, including announcement of new projects/partnerships  |    |    |
| **Growth and Resilience in UK Companies** |  |  |
| Number of jobs supported  |    |    |
| Number of new companies in the project’s supply chain  |    |    |
| Increase in the market potential of the innovation |    |    |

# Public Description of the Project

**The public description of the project should be a brief non-confidential description of the project that BEIS may use in online or printed publications. Please describe the project objectives, key deliverables and the expected project benefits.**

 **(Maximum 400 words) \***

|  |
| --- |
|   |

Uploading...

# Declaration Forms

To complete your application, you must download, complete and sign where relevant and upload the following documents using the 'choose file' option below. You can view and download the Declaration forms from the competition [webpage](https://beisgov.sharepoinhttps:/www.gov.uk/government/publications/industrial-hydrogen-accelerator-programmet.com/sites/Hydrogen/Shared%20Documents/General/Industrial%20Hydrogen%20Accelerator/5.%20ITT%20and%20competition%20launch/3%20Other%20launch%20documents/Application%20form/Stream%202A/Old).

Annex 2B - declarations 1-5

* Declaration 1: Statement of non-collusion (one form to be completed by the lead applicant)
* Declaration 2: Form of Tender (one form to be completed by the lead applicant)
* Declaration 3: Conflict of Interest form (one form to be completed by the lead applicant on behalf of themselves and all project partners)
* Declaration 4: Standard Selection Questionnaire (every organisation being relied on to meet the selection must complete parts 1&2, lead applicant to complete part 3 on behalf of all partners)
* Declaration 5: Code of Practice (one form to be completed by the lead applicant)

Annex 2B – declaration 6

* Declaration 6: GDPR Assurance Questionnaire (one form to be completed by the lead applicant)

If convenient you can use e-signature to sign the documents.

Max upload size per file - 5MB
Max number of files - 2

Choose FileUploading...

# 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 Cost Breakdown Form  |    |    |
| Gantt Chart |    |    |
| Key Work Packages |    |    |
| Risk Register |    |    |
| Organogram |    |    |
| CV package |    |    |
| Referenced Figures (optional) |  |  |
| Letters of Support (optional) |  |  |
| Partner Information Form |    |    |
| Declarations |    |    |

# 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   |

|  |
| --- |
|   |

 |
| SignaturePlease insert name   |

|  |
| --- |
|   |

 |
| Position in Organisation   |

|  |
| --- |
|   |

 |
| Date (DD/MM/YYYY)   |

|  |
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|   |

 |

**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 Hydrogen Accelerator when available.
Consent is required for the application to be submitted. \***

|  |  |
| --- | --- |
|    | Yes |

**Do you give permission for BEIS to share your contact details with other teams within BEIS for the purposes of communicating related information to you, such as updates on future competitions and/or policy work? \***

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

**Thank you for completing your application to the Industrial Hydrogen 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 August 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.**

**This document is to enable applicants to work offline to view questions and plan your response; it is for reference only and cannot be submitted as your application. You must complete your application using the Industrial Hydrogen Accelerator** [**Stream 2A online application form**](https://www.smartsurvey.co.uk/s/IHA_Stream2A_Application_Form/)**.**