Henry Royce Institute Final Report and Case Study - Industrial Collaboration Programme (ICP) Round 3

This document is intended as a guide to help you prepare your final report. All reports must be submitted using the online form.

The purpose of this form is for financial and outcome reporting from the ICP Round 3 programme and providing case study text for promotional use. You will be required to upload your finalised cost log, invoice and any industry Independent Accountant/Director financial reports at the end of this form.

**GDPR Statement**

The information provided in this form will be processed for the review, reporting and communication of the Industrial Collaboration Programme (ICP) Round 3 funding. Any personal data will be managed and retained in accordance with The University of Manchester’s Collaborator/Partner Privacy Notice, Royce Privacy Policy, Records Retention Schedule, and UKRI Standard Terms and Conditions of Funding. If you have any further queries regarding this, please to do not hesitate to contact: grants@royce.ac.uk.

**Terms and Conditions**   
The information submitted in this template will be used for programme outcome and financial reporting, to capture impact and to create case studies in different formats, including (this is not an exhaustive list):

* EPSRC monitoring and evaluation, including reporting of outputs on Researchfish
* Royce Board and Leadership reports
* a single presentation slide
* a printed and electronic case study A5 flyer
* a longer web page case study

Only include non-confidential information in the case studies. Case studies will be published on the Royce website to better highlight advanced materials activities and research. An example of the final publication format can be found on our website.

*By returning this form you agree to the above terms and conditions and details being sent to the Henry Royce Institute Hub Team for programme reporting and for publication on the*Royce impact webpage*, in presentations and print collateral. Any information provided may be edited for length and/or clarity and will be managed in accordance with the above GDPR Statement.*

## Project Overview

Application number (e.g. ICP30XX): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title of project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Royce partner/s (if applicable)

* University of Manchester
* University of Sheffield
* University of Oxford
* University of Liverpool
* University of Leeds
* University of Cambridge
* National Nuclear Laboratory
* Imperial College London
* UK Atomic Energy Authority
* Cranfield University
* University of Strathclyde

Project Academic or RTO partner/s

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Business partner/s (including charity or not-for-profit)

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Scope area

* Hydrogen
* Biomaterials, bioprinting and bioelectronics
* Low-loss electronics
* Materials 4.0
* Foundation industries

## Final Report

**Project idea and completion**

|  |  |
| --- | --- |
|  | Details (including any links) |
|  | Please add details below and N/A for any that are not applicable |
| Specific innovation developed |  |
| Alignment with the scope of the call |  |
| Any barriers and how you overcame these |  |
| Novelty, importance and timeliness of work |  |
| Why public money was needed to fund this work |  |

**Outputs**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Details as detailed in application (including how each will benefit the UK) | Progress (%) | Comments |
|  | Please add details below and N/A for any that are not applicable | Please add details below and N/A for any that are not applicable | Please add details below and N/A for any that are not applicable |
| Deliverable 1 |  |  |  |
| Deliverable 2 |  |  |  |
| Deliverable 3 |  |  |  |
| Deliverable 4 |  |  |  |
| Deliverable 5 |  |  |  |

**Contribution and Achievements**

|  |  |
| --- | --- |
|  | Details (including any links) |
|  | Please add details below and N/A for any that are not applicable |
| Type of industry partner contribution (e.g. cash or in-kind) |  |
| Type of Royce support received (e.g. facilities access, funding, training, technical expertise) |  |
| Details of any publications/communications impact activities (e.g. paper, reports, policy, project proposals, media/public engagement), please include links |  |
| Output (e.g. new system, product, process) |  |

**Equality, Diversity and Inclusion (EDI)**   
How have you considered EDI in the delivery of your project and project outcomes?  
   
Describe any challenges or opportunities you experienced in relation to EDI from your project and the methods and approaches you used to promote equality to reduce or eliminate any negative impacts: during project delivery for governance for the project team and advisory boards for stakeholder and end-user engagement for design thinking.

Note: Questions relating to EDI will not be included in case study publications  but will be used to inform the development of EDI activities for Royce funding activities.

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Impact   
Royce is keen to demonstrate the added value of the Industrial Collaboration Programme to ensure its continuation into the future, the below questions are specifically related to any impact generated as a result of the support you have received within the Industrial Collaboration Programme.  
   
 \*Please note, you may not have any recordable impact at this time, we will be in contact periodically in the future to measure the long-term impact of these programmes.

Have you increased the number of FTE employees within your organisation?

* Yes
* No

If Yes, please provide the amount of new FTE employees:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Have you increased turnover?

* Yes
* No

If Yes, please estimate the increase in turnover:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Have you been awarded any follow on funding as a result of this support?

* Yes
* No

If Yes, please specify the type of follow on funding you have received (tick all that apply):

* Private funding
* Public sector funding
* Funding from overseas
* In-kind contributions
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If Yes, please provide an estimated total value of this funding:

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Have you increased your research and development expenditure?

* Yes
* No

If Yes, please provide an estimate of additional expenditure:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Have you made any new collaborations (e.g. academic, cross-sector UK, public sector)?

* Yes
* No

If Yes, please provide details of how many and specify sectors where applicable (e.g. academic, cross-sector UK, public sector).

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Have you made any savings in costs as a result of this support?

* Yes
* No

If Yes, please provide details of cost savings made (£ / %)

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Have you launched any new products/processes/services?

* Yes
* No

Products/processes/services launched as a result of this support (please tick all that apply):

* New or improved products
* New or improved processes
* New or improved services
* Products and services new to UK market
* Products and services new to global market
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If Yes, please provide details of the products/ processes/ services:

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Has your organisation submitted, been granted or protected any new patents, designs, trademarks or copyrights?

* Yes
* No

If Yes, please tick all that apply:

* Patents
* Designs
* Designs
* Copyrights
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If Yes, please provide details of the above:

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Have you, or are you expecting to establish a spinout? (academic institutions only)

* Yes
* No

If Yes, please provide details of the expected spinout

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Have you expanded into any new market sectors?

* Yes
* No

If Yes, please provide details of the new markets:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Have you increased your market readiness level or technology readiness level?

* Yes
* No

If Yes, please provide details of the increases:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Do you expect the outcomes of this ICP collaboration to impact policy (e.g. whitepaper, influence on local/national government)

* Yes
* No

If Yes, please provide details:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Have you generated any knowledge transfer as a result of this support (e.g. secondments, new techniques, training)?

* Yes
* No

If Yes, please provide details (e.g. secondments, new techniques, training):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Has this collaboration had a positive impact on communities and local economies?

* Yes
* No

If Yes, please provide further details of the positive impact on communities and local economies:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Has this collaboration had a positive impact on making cities and towns inclusive, safe, resilient and sustainable?

* Yes
* No

If Yes, please provide further details of the positive impact:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Has this collaboration had a positive impact on protecting people from climate change?

* Yes
* No

If Yes, please provide further details:

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## Case Study

**Abstract** (>50 words)  
 In this section, please include:  
 • A short introduction/Summary

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Main Text** (<500 words)   
This section should include the following items:

* Background/context – what does the current landscape in this field look like? Why was this project novel? Where possible, include statistics, forecasts, etc.
* Project details and results – what work has been carried out and what has been achieved? (e.g. new products, processes, understanding or services that represent a step change over those currently available, or an innovative use of existing products, process/services)
* How did the Royce support if applicable (expertise from researchers, facilities, equipment)?
* Future impact – what will the research mean for society/industry/the environment going forward? What follow-on activity is planned? How will the outputs of this project be used as a platform to accelerate  innovation in advanced materials more generally across UK businesses?

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**Further Information**

|  |  |
| --- | --- |
|  | Details (including any links) |
|  | Please add details below |
| Funding amount (whole grant) |  |
| Small, medium or large enterprise |  |
| Feasibility study, industrial research or experimental development |  |

Your quote about the significance of the work (<100 words):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Your Details**

* Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Affiliations \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Any additional information:

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**Images**  
*Please also attach any images you are happy to be included (up to 3).*

**Cost log**  
 *A copy of the form can be downloaded* here

**Invoice**

Independent accountant’s report for claims over £50,000 or signed Director’s statement for claims under £50,000 (industry partners that have claimed funding only)

Subsidy Control Declaration (if applicable)

*Subsidy Control for Industrial and Experimental Research can be downloaded*here*; or* *Subsidy Control for Feasibility Studies can be downloaded*here*.*