***Ingenious***

**Final Report**

The Royal Academy of Engineering’s *Ingenious* Public Engagement Awards support projects that:

* inspire creative public engagement with engineering projects
* motivate engineers to share their stories, passion and expertise with wider audiences and develop their communication and engagement skills
* raise awareness of the diversity, nature and impact of engineering among people of all ages and backgrounds
* provide opportunities for engineers to engage with members of the public from groups currently underrepresented in engineering.

Additional information is available from <http://www.raeng.org.uk/ingenious>

All enquiries should be directed to:

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1. **Grant details**

**a) Principal applicant/ grant holder details:**

Principal applicant name

Organisation:

Telephone:

**b) Grant reference** ING

**c) Funding:**

Total *Ingenious* grant awarded: £

Total *Ingenious* grant amount spent[[1]](#footnote-1): £

Total partnership funding received: £

Source of partnership funding:

Total in-kind support received: £

Nature of any in-kind support:

1. **Project details**

**a) Project**:

Title:

Start date:

End date:

**b)** Please provide a short **project summary** for sharing with the wider engineering and public engagement communities. This should be a stand-alone overview of what your project delivered and what you learned. This could include the project’s main aims; type of events; key outcomes and impacts; the engineers involved; key lessons learned about working with engineers, engaging the public with engineering, reaching under-served audiences (up to 400 words).

**c)** Is this the first time your organisation has completed an engineering-themed public engagement project?

Yes / No

The following sections (3, 4, 5 and 6) ask you to report against the *Ingenious* **key outcomes** defined at the start of your project in your project planning template. For key outcomes that do not apply to your project, write n/a. The *Ingenious* evaluation guide contains further information about reporting key outcomes: [www.raeng.org.uk/ingeniousevaluationguide](http://www.raeng.org.uk/ingeniousevaluationguide)

1. **Key outcomes – reach**

In column A in the table below restate your key outcomes for the number of activities, participating engineers, training, target audience and under-served audiences as set-out in your project planning template. In column B describe what you actually achieved and provide a brief explanation of why any targets were exceeded or was not reached.

**For the metrics on underserved audiences**: state the percentage of your audience who came from the highest quartile for indices of multiple deprivation (IMD, WIMD or SIMD), derived using the post-code data you collected, and/or the percentage of pupils you reached who receive the Pupil Premium (or equivalent funding).

|  |  |  |
| --- | --- | --- |
|  | A: Original outcomes | B: Outcomes achieved |
| Number and type of activities that you aim to / delivered |  |  |
| Target number of engineers  Proportion of female engineers |  |  |
| Training you will / have provided for the engineers |  |  |
| Target numbers and type of audience you aim to / have reached |  |  |
| Under-served audiences: who you aim to / have reached and how you will do so |  |  |

Please provide additional information about under-served audiences you reached not already covered in the table above e.g. people with disabilities or long-term illness, specific local communities, and people of Black, Asian & other Minority Ethnic heritage

1. **Key outcomes – impact**

**a) Engineers**

Please comment on the engineers’ reported experiences as specified at the start of your project, specifically the proportion/ percentage who found the project enjoyable; interesting; informative; well-organised and how they felt about the training they received and the activities they helped develop and deliver (up to 400 words):

**b) Public & school audiences**

Please complete the following tables providing the impact metrics gathered using the standardised questions for children and/or the standardised question for teenagers and adult audiences. Show the percentage of your audience who enjoyed your activities, learnt something new about engineering etc.

**Impact metric questions for children**

|  | **Yes** | **Not sure** | **No** |
| --- | --- | --- | --- |
| Enjoy the [activity]? |  |  |  |
| Learn something new about engineering? |  |  |  |
| Find out more about what engineers do? |  |  |  |
| Find out how engineering improves our lives? |  |  |  |
|  |  |  |  |
| Interested in finding out more about engineering? |  |  |  |
| Likely to recommend this [activity] to your friends or family? |  |  |  |

**Impact metric question for teenagers and adult audiences**

|  | **Yes** | **No** | **Not sure** |
| --- | --- | --- | --- |
| I enjoyed the [activity] |  |  |  |
| I learnt something new about engineering |  |  |  |
| I gained a deeper understanding of what engineers do |  |  |  |
| I have a better understanding of how engineering improves our lives |  |  |  |
| It inspired me to find out more about engineering |  |  |  |
| I would recommend this [activity] to other people |  |  |  |

1. **Key outcomes – learning**

**a) Engineers**

In this section please provide evidence from your evaluation about the learning outcomes for the participating engineers. Please provide quantitative figures that illustrate the proportion of engineers who experienced these benefits or challenges.

Please provide a brief summary of how you collected this data e.g. via interviews, questionnaires, focus groups, observation (up to 150 words)

Evidence for increased knowledge and understanding (e.g. of public engagement, public attitudes, ethical and societal implications of their work etc) (up to 100 words):

Increased interest/ attitudes towards public engagement (up to 100 words):

     

Developed skills (e.g. public engagement skills, specific technical skills, project management) (up to 100 words):

Other learning outcomes

If you specified any additional learning objectives in your Project Planning Form please comment on these below (up to 100 words for each experience)

**b) Public audiences**

Learning outcomes for your public audiences.

Please provide a brief summary of how you collected this data e.g. via interviews, questionnaires, focus groups, observation (up to 150 words) (up to 150 words)

Evidence of increased knowledge and understanding of engineering and its impact upon society (up to 100 words):

Evidence of increased interest / changed attitudes towards engineering and engineers (up to 100 words):

Other learning outcomes

If you specified any additional learning objectives in your evaluation planning please comment on these below (up to 100 words for each experience)

1. **Project objectives**
2. Please restate your project objectives, as set out in your Project Planning Template. Addressing each objective in turn please state what you have found out through your evaluation – both what went to plan and what did not (up to 500 words)

1. What have you learnt about reaching and engaging under-served audiences? (up to 500 words)

1. **Media coverage**

a) Please note if your project generated any items of media coverage:

|  |  |
| --- | --- |
| **Type** | **Number** |
| National newspaper or online coverage |  |
| Regional/local newspaper or online coverage |  |
| Social Media |  |
| Radio |  |
| TV |  |
| Specialist media (e.g. *Times Educational Supplement, Ingenia, The Engineer*) |  |
| Other (please state      ) |  |

Please share links to online coverage wherever possible:

b) Any other comments on media coverage including successes and challenges if appropriate? (up to 200 words):

1. **This is Engineering**

*This is Engineering* is a campaign to rebrand engineering for young people from all backgrounds, to encourage them to take up engineering careers.

a) Did you use the *This is Engineering* films during your project?

Yes No

If yes, when?

When training engineers

During project activities

Other, please describe

Approximately how many people saw the films?

If no, what in particular led you not to use these films?

1. Did you use the *This is Engineering* images during your project?

Yes No

If yes, when?

When training engineers

During project activities

Other, please describe

1. Did you use messages and insights from *This is Engineering* to inform your project?

Yes No

1. Did you share *This is Engineering* content on social media?

Yes No

If yes, approximately how many people did you reach?

1. **Summary of lessons learnt**

Reflecting on what you have written in the rest of this document

a) What do you feel were the most successful elements of the project and what in particular were the reasons for this? (up to 100 words):

b) What were the main lessons you learnt from the project? What would you do differently if you ran the project again? What advice would you give to others attempting similar projects in future? (up to 300 words):

1. **Sustained benefits and on-going work**

**a) Dissemination**

Please describe how you raised awareness of the project within your organisation, among the wider engineering and public engagement communities, and the general public (e.g. staff training, newsletters, conferences, social media). How many people do you estimate you reached (up to 200 words):

If you have conducted an additional evaluation of your project, please make a note of it here and send a copy of the report to the Academy:

**b) Further work**

Please describe any part of your project that will continue after the funding period. For example, extended funding, aspects of the project that have been embedded in your working practice or that of your partners/collaborators; plans to seek new funding (up to 200 words):

**c) Collaborations and partnerships**

Who were your partners? Please comment on any collaborations, what benefits they brought to your project, benefits they gained in turn. What challenges did you experience and what lessons did you learn? (up to 200 words):

Are the contacts with the engineers, collaborations or partnerships developed during the project likely to continue? If so, in what way? (up to 200 words):

**Many thanks for completing your Final Project Report.**

1. For any significant under-spend, please provide further details in the sections below. [↑](#footnote-ref-1)