Transforming Systems through Partnership 23-25
(Jordan/South Africa/Thailand)

Applicant guidance

Contents

The Royal Academy of Engineering and Engineering X

The Royal Academy of Engineering

The Royal Academy of Engineering is harnessing the power of engineering to build a sustainable society and an inclusive economy that works for everyone.

In collaboration with our Fellows and partners, we're growing talent and developing skills for the future, driving innovation and building global partnerships, and influencing policy and engaging the public.

Together we're working to tackle the greatest challenges of our age. Our 2020-2025 strategy can be found here along with other information about the Academy.

More information on the Academy can be found here:

https://www.raeng.org.uk

Engineering X

Engineering X is an international collaboration founded by the Royal Academy of Engineering and Lloyd's Register Foundation that brings global experts together to engineer change. We take an evidence-based approach, create diverse and global expert communities around our challenges, and listen to unheard voices, particularly from the Global South, to inform our programmes.

More information can be found here:

https://engineeringx.raeng.org.uk/

Transforming systems through partnership

To solve today's most pressing development and sustainability challenges, academics need to work with industry, government and communities to build trust, design appropriate solutions and scale their uptake whilst training the next generation to do so.

The TSP programme provides grant funding and networking opportunities between innovation, **research** and education institutions to engage with their counterparts in industry, government and communities to find holistic solutions to major challenges in key focus areas such as Clean Energy and Affordable Healthcare.

Awards provide funding of up to GBP 50,000 for partnerships to conduct activities in support of the programme objectives. The Award amount requested must be matched by at least 50% match funding by the participating institutions (either financial or in-kind contribution, or a mixture of both). Detailed funding guidelines can be found on pages 12 – 15 of this document

TSP programme objectives

The Transforming Systems through Partnership (TSP) programme builds engineering teaching, research and innovation capacity within partner countries' universities and research institutes. It supports them to collaborate with local stakeholders and UK academics in meeting complex challenges in partner countries and at a global level.

Our objectives with this programme are:

1.) Challenge-led research and innovation that uses engineering to address sustainability challenges in the partner country and globally.

2.) Partnerships in course design and delivery to equip the next generation with skills to address sustainable development challenges.

3.) Collaboration and knowledge exchange that creates a strong evidence base for building better systems for the world we want to live in.

Note: we encourage application inspired research with potential for tangible benefits and outputs for society, rather than early stage or exploratory research.

International Science Partnership Fund (ISPF)

The <u>International Science Partnerships Fund</u> is designed to enable potential and foster prosperity. It puts research and innovation at the heart of our international relationships, supporting UK researchers and innovators to work with peers around the world on the major themes of our time: planet, health, tech, and talent.

It's managed by the UK Department for Science, Innovation and Technology and is delivered by a consortium of the UK's leading research and innovation bodies.

The fund has 4 themes under which partner organisations establish their own programmes and calls:

- Resilient Planet - Leading the green industrial revolution to protect the planet
- Transformative Technologies - Developing responsible technologies to secure our place in tomorrow's world
- Healthy People, Animals and Plants – Researching and Innovating for secure and healthy populations
- Tomorrow's Talent – Nurturing talent to drive inclusion, research and innovation.

You can read more about ISPF here:

 https://www.gov.uk/government/publications/international-science-partnerships-fund-ispf/international-science-partnerships-fund-ispf

Eligible applicants

This call is open to existing partnerships and to new partnerships. The different criteria for each is outlined below.

Existing partnerships

Existing partnerships are eligible to apply for this grant call.

An existing partnership means a consortium of collaborators who have been successful in securing an Industry Academia Partnership Programme (IAPP) or Transforming Systems through Partnership (TSP) grant through the Royal Academy of Engineering at any time in the past.

The Principal Investigator (PI) from the Lead country university (Jordan/South Africa/Thailand) and from the UK university must be the same as the PI's during the initial project.

The main industry partner organisation must be the same as on the initial project, however, can have different personnel listed in this call than those that worked on the initial project. All partners may have additional or different personnel listed as collaborators.

Existing partnerships are encouraged to include additional new partners to their existing collaboration / consortium if this aligns with their goals of scaling and sustaining their impact.

For existing partnerships, this application must be a continuation of the work already completed and must focus on using the funds awarded to build on the successful outcomes and research of the initial project. Your proposal should show how you plan to scale up, create wider impact and gain access to further funding opportunities.

As these are pre-existing collaborations following on from projects we have funded, ANY theme, ANY sustainable development goal, or ANY engineering discipline or sector can be addressed in this new grant. This is not the case for New Partnerships.

We will ask you to select Existing or New partnership at the start of the application form.

If you are an existing partnership – please keep this in mind when answering questions, and as much as possible address the points above regarding routes to sustainability and scaling and building on the success of the projects we have already funded.

New partnerships

New partnerships are eligible to apply for this grant call and must focus on one of two focus areas – Clean Energy or Affordable Healthcare (see more info below.)

New partnerships are defined as applications with a new Principal Investigator (PI) who has never led a project funded through the Industry Academia Partnership Programme (IAPP) or Transforming Systems through Partnership (TSP) programme through the Royal Academy of Engineering before.

At least two of the three main PI's/leads (Lead country university/UK university/Industry partner) should not have worked together on an IAPP/TSP project before.

However, other individual people and collaborators listed on the application may have worked on a TSP or IAPP project before.

We are particularly keen to see applications including new combinations of organisations, as well as organisations and individuals that have never received funding from TSP or IAPP before.

When answering questions please remember that this funding will act as 'seed' funding – to catalyse new partnerships between academia, industry, and other partners, and we are looking for a clear vision as to how this relationship will develop and the scope of future work.

Required themes for New partnerships

Clean Energy

Clean energy is a vital and increasingly essential field of research, and a clear priority when considering the Sustainable Development Goals, particularly goal 7 - *'Ensure access to affordable, reliable, sustainable and modern energy for all'*.

Clean energy could include areas such as - solar, wind, biofuels, electric vehicles, hydroelectricity, carbon capture, batteries and energy storage, green hydrogen and more.

Affordable Healthcare

Sustainable Development Goal 3 - *'Good health and well-being'* will be addressed here, with the aim of enhancing health security and pandemic resilience, promoting healthy societies and strengthening of health systems through increased collaboration.

Affordable Healthcare could include - digital and remote health; health supply chain innovations; diagnostics, therapeutics, and vaccine manufacture; data for health monitoring; health systems strengthening, one health and more.

Country specific information – South Africa

International partner: Department of Higher Education and Training (DHET)

The vision of the Department of Higher Education and Training is of a South Africa in which we have a differentiated and fully-inclusive post-school system that allows South Africans to access relevant post-school education and training, in order to fulfil the economic and social goals of participation in an inclusive economy and society.

The Department's mission is to develop capable, well-educated and skilled citizens who can compete in a sustainable, diversified and knowledge-intensive international economy, which meets the development goals of the country. The Department will undertake this mission by reducing skills bottlenecks, especially in priority skills areas; improving participation rates in the system; correcting distributions in the shape, size and distribution of access to post-school education and training; and improving the quality and efficiency in the system, its subsystems and institutions.

Funding for applicants based in South Africa

The total amount available will be up to £50,000 from the Academy.

However much is requested from the Academy needs to be 50% match funded by the project partners, either in cash or in-kind contributions or a mixture of both. Please see pages 12-15 for further guidelines on funding and costs.

Subject to availability of DHET's funding, successful South African partnerships may be invited to submit a short application for follow-on funding in early 2024 to carry out additional activities related to the project, such as PHDs, Masters, conferences, research and teaching skills building activities etc.

Country specific information – Thailand

International partner: Program Management Unit for Competitiveness (PMUC)

PMUC is a research funding unit that manages research and innovation fund aimed at enhancing the national competitiveness by creating innovations that enable industries to develop high-value goods and services to enter the global market, facilitating collaboration between the public and private sectors in Thailand and from abroad, and encouraging joint investment from firms, ranging from SMEs to large corporates.

The seven industrial sectors of focus are: Functional ingredient and High Valued Agricultural Products and Health Foods, Health and Medicine, Bioenergy, biochemicals and biomaterials. BCG for creative tourism, Digital platforms, Circular economy of Thailand and Future Mobility, robotics and automation.

Funding for applicants based in Thailand

PMUC will pay up to £25,000 for the Thai partners in the project. The Academy will pay up to £25,000 for the UK partners in the project. The total amount available will be up to £50,000.

Applicants must be at Technology Readiness Level (TRL) 4 or Societal Readiness Level (SRL) 4 and above

However much is requested from the Academy and PMUC combined needs to be 50% match funded by the project partners, either in cash or in-kind contributions or a mixture of both. Please see pages 12-15 for further guidelines on funding and costs.

In particular, Thai private sector(s) must contribute a minimum of 20% (in-kind and in-cash, where in-cash must be at least 10%, calculated from funding provided by PMUC)

i.   % in-cash = in-cash from private sector(s)/(in-cash from Private sector(s) + in-cash from PMUC)

ii.   % in-kind = in-kind from private sector(s)/(in-cash from Private sector(s) + in-cash from PMUC)

After being selected, successful applicants will be asked to answer some additional questions in Thai via the Thai Management System (NRIIS).

Country specific information – Jordan

International partner: Industrial Research And Development Fund (IRDF)

The Industrial Research and Development Fund (IRDF) was established in 1994 to be one of the Higher Council for Science and technology's (HCST) tools to support the private sector to accelerate economic growth.

The objective of the Higher Council is to build a national science and technology base to contribute to the achievement of development goals, through increasing awareness of the significance of scientific research and development, granting the necessary funding and directing scientific and research activities, within national priorities, in line with development orientations.

The main functions of the Industrial Scientific Research and Development Fund are:

- Supporting Jordanian industries to invest in science and technology to achieve a remarkable development in terms of production processes and industrial management, product quality and development, as well as to improve the competitiveness of Jordanian industries.
- Encourage Jordanian industries to support research and development and to benefit from the thereof.
- Finding suitable opportunities for universities, scientific research centres and consulting firms to link their research activities to the needs of industry.
- Identifying the problems that face different industries and guiding them on how to solve these problems.
- Bridging the gap between research institutions, scientific research centres and industry and linking them together.
- Getting Jordanian industries aware of the importance of research and development to improve productivity and thus improve competitiveness.

Funding for applicants based in Jordan

The total amount available will be up to £50,000 from the Academy.

However much is requested from the Academy needs to be 50% match funded by the project partners, either in cash or in-kind contributions or a mixture of both. Please see pages 12-15 for further guidelines on funding and costs.

TSP project partnerships

Grants of up to £50,000 are on offer for partnerships meeting the following criteria:

- Projects MUST be in line with the TSP programme objectives and MUST match fund at least 50% of the grant requested (this is a combined match from all partners, financial or in-kind contributions or a mixture of both – see page 9 for Thai specific criteria)

- No more than 50% of the grant requested can go to the UK side of the project.

- The lead partner MUST be;

  ➢ Employed at a university based in either Jordan / South Africa / Thailand (the 'Lead country')

- The lead MUST partner with at least one UK academic institution, and at least one Jordanian/South African/Thai industry partner.

- Applicants are **strongly encouraged** to engage additional partners including in other disciplines and from academia, industry, startups, SMEs, government, policy makers, public service, regulators, civil society, community-based organisations, research labs and more to take a systems approach to the challenge. Additional partners will be viewed favourably by reviewers.

UK partner

The Lead country university MUST partner with at least one UK academic institution. The Academy are interested in applications that reflect a structured and collaborative approach to incorporate the UK partner(s) within the project.

Industry Partner

In addition to a UK partner, applicants are also required to include at least one local or regional industry partner in their TSP application. Any organisation or company that runs a business in the local or regional area, has an office in Jordan / South Africa / Thailand and is supporting the growth of local engineering industry or infrastructure is eligible. This includes multinationals, SMEs, startups or government-run industry.

The industry partner's role and contribution will be agreed formally with the lead applicant. The role of industry partners in previously successful applications included the following:

- In-kind or financial support from industry partner(s)
- Industrial secondments for Academic staff to industry
- Guest lectures and secondments from industry to academia
- Joint research and development (R&D) projects
- Industry representatives actively participating in the project steering group
- Input into engineering curricula and modules

In practice, we expect to see a collaborative approach among partners to take the form of a memorandum of understanding, engagement by all partners as part of the project design, and a formal role or work package for each partner, such as attending and formally collaborating in workshops and developing curriculum.

If you need help finding partners, please fill out the form on the website on the 'How to apply' page, by 11 September 2023.

Key information

Grant information

Application closing date – 09 October 2023 4pm (BST)

Total grant award	£50,000
Project duration	12 months Projects must start during: December 2023 Projects must end by: 2 December 2024
Payment schedule	Initial payment: Intention to be made by mid-December on receipt of initiation report. A delay in signing contracts will result in delayed payment, potentially to mid-January. Interim payment: April/May 2024 Final payment: December 2024 / January 2025 (at the latest)
Reporting schedule	Initiation report On track report Mid-term report – narrative and financial On track report Final report – narrative and financial Follow-on report – 6 months after project end

Funding guidelines

Please note that project extensions will not be possible, so please ensure the activities, resource allocation and timelines are realistic.

We would expect PI's to be employed consistently at the university where they are applying from i.e., not planning to move institutes or take sabbatical leave

The total contribution from the Academy must be up to GBP 50,000. This amount must be at least 50% matched by the applying institutions from their own or leveraged resources.

Costs additional to the grant funding must be met by the participating institutions or leveraged from elsewhere with the source of the contribution clearly indicated.

For Jordan / South Africa awardees, the Academy will provide the grant funding to both the lead Jordan / South Africa university and the lead UK university. Therefore, please ensure both universities are willing and able to accept payments in GBP (£).

For Thailand awardees, the Academy will provide funding to the UK side and PMUC will provide funding to the Thai side.

In your budget, you must clearly distinguish between what is going to the Jordan / South Africa / Thailand side of the project (including to industry and any other partners) and what is going to the UK side (again, including to any industry and other partners).

In all cases the recipients of grant monies will be expected to provide all parties in their respective countries with the grant resources to enable the programme of activities to take place as per the programme budget submitted to the Academy.

The payments will be scheduled as follows:

- Approximately 20% on signing of contract (note that our intention is to make initial payments by mid-January, however if there is a delay in university partners returning signed contracts, due to the Christmas holidays these payments may get pushed back to mid-January. This should be factored into your plans).
- Approximately 65% in April/May 2024, subject to satisfactory reports
- Approximately 15% at end of project, subject to satisfactory final reports and paid as reimbursement

- Additional sources of funding are encouraged and should be included in the budget, but a clear distinction must be made to show how the amount awarded through the TSP grant will be spent.

- Project partners must demonstrate a matched contribution of at least 50% of the grant requested from the Academy. This can be in-kind or financial (or a mixture of both) and can be from any of the partners. Contributions do not need to match the ratio of funding received by each partner. (Please refer to Thai specific match funding criteria on pg 9). Matched funding could include:

  ➢ University/institution/industry contribution to researcher and industry partner salaries, including in-kind contribution through volunteering expert time
  ➢ Free use of university/institution/industry partner research labs, other equipment, consumables or materials
  ➢ Free use of university/institution/industry partner venue to host workshops and dissemination events
  ➢ Financial contribution to support the project outcomes
  ➢ Overheads (estate costs, maintenance, infrastructure, indirect costs etc)

- Application budgets should show how funding will be split between project partners, where relevant.

- Successful applicants will clearly outline direct funding allocated for other participating (non-lead) universities in their application.

- Please note, if your grant application is successful, the Academy may undertake financial spot checks as part of the reporting process. With this in mind, all expenditure should be able to be receipted (proof of payment).

- Note that this grant call is funded by UK Overseas Development Assistance (ODA), so all costs and activities must be ODA eligible – focused on economic development and welfare. For more information, see here: https://www.oecd.org/dac/financing-sustainable-development/development-finance-standards/What-is-ODA.pdf

Eligibility Criteria

- The proposed project should clearly align with the overall aims and objectives of the scheme. Original ideas and local solutions are actively encouraged.

- The lead applicant will be employed by a university in Jordan / South Africa / Thailand.

- The lead applicant must collaborate with at least one industry partner in their country (Jordan / South Africa / Thailand) and one UK university.

- Applications must include a detailed budget delivered over a maximum of 12 months (December 2023 – 2 December 2024).

- Project activities must run between December 2023 and 2 December 2024.

- Projects must fall into one of two categories: New partnerships working on clean energy or affordable healthcare; OR existing partnerships building on their IAPP/TSP projects to create sustainable change.

- All declarations listed in the application form need to be present and correct when submitted

- All documentation requested in the application form (listed in detail in the document upload checklist, found in the supporting documents section under 'How to apply') need to be provided in the correct format. Please note if something is requested in a specific format you will be unable to upload it in a different format.

- The Gender Equality statement in Section 3 of the application form must be completed satisfactorily. See page 20 of this document for further info

What are ineligible costs?

- Activities that have already been funded by a previous Academy grant.

- Projects would not be acceptable if the focus of the research was military related.

- Overheads or other costs that are not directly linked to the project activities. Overheads can constitute part of the match funding contributed by participating partners but cannot be requested from the Academy.

- The funding provided within the grant cannot be used to pay for purchases of large equipment and research infrastructure.

Note that the grant is not calculated on the basis of full economic costing.

What are eligible costs?

TSP typically covers a broad range of costs related to project visits, personnel, research costs, training and dissemination activities. This includes the below:

- Airline return fare (economy class) for visits to Jordan / South Africa / Thailand and the UK between the project partners.

- Visa expenses.

- Accommodation and meals during partnership visits in the UK and Jordan/South Africa/Thailand

- Daily subsistence allowance to cover incidental expenses during visits, including in-country travel.

- Salary support for participating individuals to conduct the activities proposed.

- Stipends for participating students and early career researchers.

- Consumables and other directly project-related costs such as;

  ➢ Use of equipment/lab space to conduct research and purchase of research and testing materials
  ➢ Purchase of equipment (no one item should total more than £10,000).

Please note the stipulations regarding consumables are as follows –

  ➢ New partnerships - no more than 10% of the funds requested
  ➢ Existing partnerships – no more than 50% of the funds requested

- Workshops and other training or dissemination activities organised by the project partners, including cost of facilities, personnel support, materials, speakers, and refreshments.

- Conference fees and cost of travel to attend or present research at project-related conferences.

- Publishing, publicity, and advertisement costs to increase awareness of research projects and disseminate results

- Other e.g., project-related software licenses, project website maintenance, postal/delivery costs for essential items etc.

Submission and how to apply

Submission Deadline

The deadline for applications is Monday 9 October 4pm (BST). Any incomplete applications or applications received after this date will not be considered.

Any queries should be directed to james.johnson@raeng.org.uk

How to apply

Please find all supporting documents for this application on the TSP website on the 'How to apply' section. You will need to complete and submit these documents with your application.

Applications received where a UK or Industry partner is listed as the lead applicant will not be considered. However, all partners may support or co-write the application.

All applications must be submitted via the Academy's online application system: https://grants.raeng.org.uk

The author must first register with the system and provide some basic log-in details to create a profile. If you have applied for a grant from the Royal Academy of Engineering before, you will already have an account and if so, please do not create a new one.

Please note that while the application must be started and submitted by the PI from the Lead country university in Jordan /Thailand / South Africa, up to five additional co-applicants from the other key partners (UK university, industry partner or others) can contribute to the application form.

Before completing the application form, applicants are asked to complete a Diversity Monitoring Form to help the Academy monitor and assess its equality, diversity and inclusion policy. The information will be treated as strictly confidential, non-attributable and only reported when collated. It is gathered, stored, and used in compliance with the Academy's Privacy Notice in line with the General Data Protection Regulations 2018. The information will only be used for statistical purposes with access restricted to staff involved in processing and monitoring the data. It will not be seen by anyone involved in any selection processes. No information will be published or used in any way that identifies individuals. The Academy will retain personal information as per our Data Retention Policy.

The application form has seven sections and should take approximately 180 minutes to complete, assuming questions have been answered offline and the applicant is pasting in the information, rather than composing it.

These guidance notes give details of all the questions included in the application form.

Please contact the team if you have any questions regarding the application process or online system at james.johnson@raeng.org.uk

Monitoring

Close and frequent communication with the Academy is a requirement for all applicants and awardees. In addition to regularly sharing relevant news about the project via e-mail and social media, the following formal reporting will be required from successful applicants.

➢ **Initiation report**

to confirm that the project has started and is progressing as originally planned.

➢ **Short 'on track' report**

a brief update to confirm the project is on track, no deviation or issues have arisen and to notify us if they have.

➢ **Mid-term report**

to give a detailed update of progress against identified indicators and provide a financial report of the first half of the project.

➢ **Short 'on track' report**

a brief update to confirm the project is on track, no deviation or issues have arisen and to notify us if they have.

➢ **Final report**

similar to the mid-term report, completed at the end of the project to reflect on successes, challenges, outputs and outcomes. The final report will include a full breakdown of the project expenditure.

➢ **Follow-on report**

to be completed 6 months after the project ends, to report the short-term outcomes the project has achieved, including the relationship with your UK and Industry partners, effects on your target community and any further funding or projects the collaborators are working on.

Use of AI in project applications

The Academy's view on the use of AI in project applications is set out below

1. Taking responsibility for content: Applicants are fully responsible for all the content presented in their grant applications. The grant process does not penalise the use of generative AI tools, but it is imperative to ensure that the application reflects the applicant's own voice and ideas.

2. Rigorous approach: Applicants should exercise caution when using generative AI tools to avoid the inclusion of 'hallucinated' references or factual errors. These become more common when up to date content on a very specific topic is required. These inaccuracies will be viewed as indications of a lack of rigor and will negatively impact the assessment of the application.

3. Partial use of AI tools: It is not acceptable to solely rely on generative AI tools to write the entire grant application. While these tools may be used to assist in various aspects, the application must primarily represent the applicant's own work.

4. Plagiarism: Applicants should be aware that the output generated by some AI tools may use ideas from other human authors without proper referencing. As this is considered a form of plagiarism, it is essential to ensure that all sources are appropriately attributed.

5. Proper acknowledgement of AI usage: Applicants must provide clear acknowledgement if they have used generative AI tools in the process of writing their grant applications. This includes the name of the tool and how it was used. The following style should be followed:

> I acknowledge the use of [insert AI system(s), version number and link] to generate materials for background research, styling, proofreading, etc.

> I acknowledge the use of [insert AI system(s), version number and link] to generate materials that were included within my final assessment in modified form.

6. Applicant declaration within GMS: To submit your application you must tick a declaration confirming that 'all contributions have been appropriately referenced or credited including the use of any online tools such as AI generative tools used in developing my application. I understand that failure to cite and declare references or sources will result in my application being removed from the process.'

Diversity and Inclusion

The Academy is committed to diversity and inclusion, creating cultures in which everyone can thrive, and seeking diverse perspectives to enrich our collective performance. We know that women, girls and marginalised groups, in particular, can be unintentionally excluded or overlooked unless specific attention is paid to their voices. Depending on the context, groups may be marginalised due to ethnicity, religion, class, disability, geography, or socio-economic status, to name but a few examples.

This has a number of implications for this call:

1. We require you to ensure that your project design and monitoring and evaluation is informed by diverse voices and enables participation by an appropriately diverse group of stakeholders. Please see section 3 of the application form.
Why? We want to ensure that the planned activities, expected outcomes and set objectives are equitable and benefit marginalised groups. This does not mean that your project needs to aim to reduce inequality directly. However, if you intend to create social impact, you should consider the different needs and interests of women and girls, men and boys, and underrepresented groups who are part of the project's target population or indirectly affected by the project activities and outcomes.

2. We encourage initiatives focused on addressing gender diversity and the inclusion of marginalised groups, and unheard voices including people with disabilities, to build a sustainable society and an inclusive economy that works for everyone.

3. We provide support and guidance to awardees on embedding diversity and inclusion in your activities

We will offer this support and guidance throughout your project and will provide more details in due course. In the meantime, here are some tips which can help you design your project in an inclusive way:

- Identify the marginalised groups who, without focused attention, are at risk of being excluded from the project design or outcomes.
- Where relevant, encourage the active participation of women and targeted marginalised groups in all phases of the project cycle and in ongoing monitoring, including by ensuring your participation methods enable these groups to actively participate.
- Communicate project outcomes so that they are inclusive and reach out to relevant decision-makers, including women or other minority groups.
- Ensure that a diverse range of stakeholders are involved in the project and that all stakeholders have timely access to information they require in the project.
- Ensure that the project approach is interdisciplinary, including the range of skills and expertise required.
- Clearly define and communicate roles and responsibilities and ensure everyone has an equal opportunity to participate in the design of the project.
- Ensure project monitoring and evaluation is inclusive and involves all team members, key stakeholders and target populations. Where possible, monitor your diversity and inclusion success by collecting data relating to gender and marginalised group status.

Gender Equality Statement

In Section 3 – Inclusion and participation you will be asked the following question on Gender equality;

Q - How have you considered gender equality in the project or activity design?

This is a key question, and your project's eligibility will be assessed against this. Please see the criteria below

RED = Fail: ask for more details:

- Response is minimal or dismissive. No considerations are evident, or there is not enough information to demonstrate understanding of gender implications.
- Potentially negative implications have been ignored, or are acknowledged but not mitigated for.
- The project is likely to exacerbate gender inequality.

Note: If the response still receives a RED score after the applicant has had the chance to revise their statement, the application will fail eligibility checks and will not progress to review stage.

ORANGE = pass: Neutral/Do no harm achieved

- Gender implications have been considered in the project design, and there are no obvious negative impacts on gender equity.
- Where potential negative impacts are identified, efforts have been made to mitigate.
- Evidence that gender norms or barriers are understood, but it has been assessed that the project has no implications on gender, and will do no harm to different genders.

GREEN = pass: specific gender equality benefits likely

- Clear evidence that gender implications have been well considered in the project design, and there is a clear pathway to a positive impact on gender equality.
- Gender impacts will be measured, monitored, and managed and clear evidence of active mitigation of any negative impacts.
- There may be reference to gender in MEL plans, including KPIs, sex disaggregated data, or specific measurement of gender-related outcomes.
- There may be reference to stakeholder consultation with a gender lens.

What does good look like?
There is no rule on what a good answer looks like, however, it may help you to consider the following points:
- Understanding of gender-related issues in the context of the project, and clear outline of opportunities and risks
- Outline specific ideas and actions within the project to proactively take up the opportunities or mitigate the identified risk
- List or describe possible outcomes/impacts or describe what will change as a result of your actions

During the eligibility check period (9 – 13 October 2023) please be ready to answer questions on your gender equality statement as this is a key part of the eligibility process.

Application timeline

Applications open	24 August 2023
Applicant Q&A Webinar	4 September / 15 September/ 29 September 2023
Applications close	09 October 2023
Eligibility checks	10 - 13 October 2023
Review period	16 October 2023 – 10 November 2023
Panel meeting & grant selection	W/C 20 November 2023
Notification of application outcome	W/C 27 November 2023
Expected project start date	December 2023

Please register online on the 'How to apply' page to attend one of the Q&A webinars: https://engineeringx.raeng.org.uk/tsp

During the eligibility check period, please be ready to answer questions on your gender equality statement as this is a key part of the eligibility process.

Unsuccessful applicants will be notified by the end of January 2024 and will have the chance to ask for feedback on their applications.

Review Criteria

There will be five main areas that reviewers will be asked to provide commentary on when assessing applications

1. Partnership quality and capacity

In this section reviewers will assess the experience and capacity of participants to implement the project and provide feedback on how robust the partnerships are between participants in the Lead country and the UK, academia and industry, as well as other partners.

2. Inclusion and participation

Reviewers will provide commentary on how robust the stakeholder analysis is and to what extent a diverse set of end users, local communities and beneficiaries are involved and considered.

3. Goals and objectives

For new partnerships, a key criterion in this section will be how well does the project address one of the two grant call themes – clean energy/affordable healthcare? For existing partnerships, a key criterion will be the extent to which the project intends to create sustainable change and embed or upscale previous outcomes or impacts.

Reviewers will be asked to assess the feasibility of the objectives, and if they can be completed within the timescale given, as well as to what extent the project is novel or innovative (technically or contextually within the Lead country/UK).

4. Outcomes and impact

Reviewers will be looking at the extent to which the expected outcomes and impacts (for the organisations involved, the wider engineering community and general public) are reasonable, feasible and sufficiently ambitious.

Appropriate consideration of the risks/unintended consequences of the project will be assessed as well as the clarity of how outcomes and impact will be measured and reported against.

Sustainable impact and plans for future work or funding will be commented on for both types of partnership, but this is a particularly key criteria for existing partnerships.

5. Finances and resourcing

Reviewers will be looking at how suitable, realistic, and clear the budget is, including match funding and breakdown of the costs involved in the project, and providing feedback on whether the project is sufficiently resourced and demonstrates value for money.

Please note that the reviewer's decision is final.

Application form guidance

After logging in to the system via the Academy website and selecting the Transforming Systems Through Partnership 2023 you will be presented with the "Instructions" screen. Here you will see some general instructions on how to use the system as well as the following list of the seven sections on the application form:

1. Project details
2. Applicant, institution, and partnership details
3. Inclusion and participation
4. Goals, Objectives, Outcomes, and Impact
5. Project planning and resourcing
6. Lead applicant declaration
7. Marketing

At any stage in the application process, you can save your work and return to it later. You can answer the questions in any order, and you may freely skip some sections to return to later if you wish. It is therefore advised to view the application early on for an indication of what is required, and you should also ensure that you have all the necessary documentation at hand when you start completing the application, such as a copy of all CVs.

Please note – if a question in the application form states a document needs to be uploaded as a PDF, the system will only allow you to upload a PDF.

1. Project Details

Q - Project title

Please provide a project title. Should the application be successful, this title will be listed on the Academy's Grant Management System and website.

Q - Please provide a short summary of the proposed project

The project summary should provide a brief overview of your aims, the programme of activities and how the activities of your project will achieve your aims. The summary should be written in language that can be understood by a non-specialist reader. This must include your three main outputs listed as bullet points, and each output should be summarised in one sentence.

(Maximum of 300 words)

Q - Please tick the checkbox to confirm you have read the New & Existing partnerships document, the Document upload checklist, and the Applicant guidance notes. These are separate documents to be found in the 'supporting documents' section on the 'How to apply' page of the website.

It is vital that you read these documents in advance of starting this application form as each country has different specifications for funding, as well as differentiating between New & Existing partnerships. There will be a further question on this in Section 2

Q - In which TSP Partner Country will your project operate?

Please choose your country from the dropdown list. This grant scheme is open to Jordan / South Africa / Thailand

Q – What is the planned project start date

Please enter the date you plan to start this project. Projects must start in December 2023

Q – What is the planned project end date

Please enter the date this project will end. Projects must end by 2 December 2024

Q - Total project cost. Please list the cost in GBP (£):

Please enter the total project costs, which is the total value of funding sought from the Academy's grant <u>and</u> the value of matched resources from the partnerships and any other sources of funding, including in-kind contributions. <u>This must be listed in GBP (£)</u>

Q - Jordan / South Africa only - Total grant value sought from the Academy. Please list this is GBP (£) (max £50,000)

This should state the exact amount of funding sought from the Academy. (Please note: Academy funding cannot exceed £50,000) This must be listed in GBP (£)

Q - Thailand only - Total grant value sought from the Academy. Please list this is GBP (£) (max £25,000). The Academy are paying the UK side.

This should state the exact amount of funding sought from the Academy. (Please note: Academy funding cannot exceed £25,000) This must be listed in GBP (£)

Q - Thailand only - Total grant value sought from the PMUC. Please list this is GBP (£) (max £25,000). PMUC are paying the Thai side.

This should state the exact amount of funding sought from the PMUC (Please note: PMUC funding cannot exceed £25,000) This must be listed in GBP (£)

Q - Please provide keywords relating to the project

Please provide keywords related to your project which will assist the Academy and international partners in selecting suitable reviewers for your proposal. These can be specific or more generally related to the theme.

Q - Primary Sustainable Development Goal focus

Please select the primary SDG from the dropdown menu. This should be the SDG that your project most closely aligns with

Q - Secondary Sustainable Development Goal focus

Please select the secondary SDG from the dropdown menu. This should be the SDG that is relevant to your project, but not its primary focus. (Optional).

Q - How will the project address the selected Sustainable Development Goals?

Include information on how the project will address the Sustainable Development Goals selected above. Please include information on specific goal targets, you can find more information here - https://sdgs.un.org/goals

(Maximum of 200 words)

Q – Please confirm the TRL (technology readiness level) of your project from the dropdown below

Thailand based applicants must be at least Level 4. There are no restrictions for applicants from Jordan or South Africa

Q - Please tick the checkbox to confirm you as the lead applicant are employed at a university located in Jordan / South Africa / Thailand

Please tick the checkbox to confirm you as the lead applicant are employed at a university in one of the countries listed above

2. Applicant, institution, and partnership details

Q - Lead Applicant contact details

These are the details we will use to contact the Lead Applicant. The individual from the Lead University in Jordan / South Africa / Thailand submitting the application is the Lead Applicant. Please ensure contact details such as phone numbers and email addresses are valid.

Q - Please provide contact details of all Co-Applicants

Co-applicants are the main collaborators from the partnering UK and Jordan / South Africa / Thailand academic and industry institutions.

Please provide details of every collaborator participating in the proposed programme of work including the Lead university and co-applicants from industry, academia and any other participating organisations (NGOs, startups, research labs, policymakers etc) in the UK and Jordan / South Africa / Thailand. If there are many collaborators, then please restrict to the core collaborators responsible for overseeing delivery of the project.

Q - CVs of participating Collaborators

Please upload CVs for all collaborators participating in the proposed programme of work in <u>PDF format</u>

CVs should be a maximum of four pages long. There is no set format for the CV, but it should include information on posts held in at least the last five years, education history and qualifications (with dates), evidence of eminence and seniority (for example, awards and prizes, invited lectures, national/international committee membership/leadership). CVs longer than four pages will not be accepted.

N.B. For collaborations with several different university, industry and other partners, please only include CVs of the core collaborating team.

Q - Is any person listed on this application as a project participant also listed as a participant on another TSP application in this current grant call?

Please confirm if someone who is listed as a collaborator in any capacity on this project is also part of another TSP grant application in this grant call – i.e., if anyone on this project could potentially be working on two different TSP projects simultaneously, and if so, please list the reference and project title of the other one.

Q – Is this a new collaboration OR is this is an existing collaboration between project participants?

It is vital that you have read the applicant guidance notes pages 6 & 7 which define new partnership and existing partnership. This will determine your eligibility to apply and what themes must be addressed in your project. Please select New or Existing from the dropdown list.

Q – If you selected Existing collaboration above, then please provide

- The Transforming Systems through Partnership (TSP) or Industry Academia Partnership Programme (IAPP) project reference and title. This application must be a continuation of the project you have listed here as your previous TSP/IAPP project.
- A brief summary of the previous TSP/IAPP collaboration and the main outcomes that were achieved.
- Please explain what developments and progress the partnership has made since the previous IAPP/TSP grant ended.
- Please explain how this application will allow your partnership to create sustainable change and embed or upscale the outcomes and impact already created. You must have a strong route to sustainability, including routes for future funding after the TSP grant.

(Maximum of 500 words)

Q – If you selected New collaboration above, then please

Confirm which of the two focus areas your project will address – Clean Energy or Affordable Healthcare. If this is a new collaboration and your project does not address or encompass one of these two areas, please do not apply

Q - Organisation details

Please upload one document with narrative summary details of the lead university and all partnering institutions. Descriptions of each organisation should be no more than 200 words and should include:

For Jordan / South Africa / Thailand Universities and Research Institutes:

- Dates the institution has been in existence
- Engineering courses offered
- Number of students and staff and number in research group
- Indicators of track record (rankings, awards etc)
- Link to website for engineering faculty

For industry partners:

- Nature of business and types of products/ services offered
- Indicator of size (e.g., # employees, turnover etc
- Nature of R&D (if any occurs)
- Link to website or social media

For UK Universities and Research Institutes:

- Name of department, institution
- Indicators of track record (rankings, awards etc)
- Link to website for engineering faculty

For other partners:

- Type of organisation (e.g. not for profit, government body, civil society organisation etc)
- Nature of organisation and types of products / services offered
- Link to website or social media

To note: If a UK commercial partner participates in the project, then that partner is not expected to receive specific benefit from the financial assistance given to the research organisation, in line with section 15.33 of the Statutory Guidance for the UK Subsidy Control Regime: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1163028/subsidy-control-statutory-guidance.pdf. If your project may involve a specific benefit to a participating UK commercial organisation, then please get in touch before submitting your application.

Q - Role, contribution, and benefits to Lead partner (you)

- Specify the exact role of your university in this programme.
- Describe expected benefits to your university and country in general which will result from the collaboration.

(Maximum of 200 words)

Q - Role, contribution, and benefits to the Lead industry partner

If you are working with multiple industry (or other) partners, please provide details here on the main industry partner for this project. There is a question later in this section titled 'Role, contribution, and benefits to other partner(s)' where you can provide information on other partners.

- Provide justification for the choice of industry and other stakeholder partners including the strategic importance of this relationship to you and your institution.
- Specify the exact role of the industry partners in this programme and activities they will undertake.
- Provide details of what has been achieved so far through any existing collaboration and what is the overall perceived long-term vision for this relationship.
- Explain what benefit and impacts your industry partner will get from this collaboration.

(Maximum of 250 words)

Q – Role, contribution, and benefits to UK partner

- Give justification for the choice of the UK partner
- Explain the strategic importance of this relationship to you and your institution.
- Specify the exact role of the UK partner in this programme.
- Provide details of what has been achieved so far through any existing collaboration and what is the overall perceived long-term vision for this relationship
- Describe expected benefits and impacts to the UK partner and UK in general which will result from the collaboration.
- Describe how this links to the goals of the International Science Partnership Fund in the UK (see applicant guidance)

(Maximum of 250 words)

Q – Role, contribution, and benefits to other partner(s)

Your answer should

- Give justification for the choice of the partner(s)
- Explain the strategic importance of this relationship to you and your institution.
- Specify the exact role of the partner(s) in this project.
- Provide details of what has been achieved so far through any existing collaboration and what is the long-term vision for this relationship
- Describe expected benefits and impacts to the partner(s) which will result from the collaboration.

(Maximum of 350 words)

Q – Jordan / South Africa / Thailand University and UK University Letters of support

Letters of support are required from each partnering university or research institution in Jordan / South Africa / Thailand and the UK. Letters of support should be written by the applicants' respective Heads of Departments (or Heads of Faculty if either of the Applicants is the Head of Department). As a minimum the author should include:

- Confirmation of their support for the application
- Why they support the project
- How it fits in with the department's aims
- What form the matched contribution will take (financial, staff time, guidance, facilities, equipment)

The letters should be on headed paper, a maximum of two pages long, signed by the author, and uploaded by the Applicant as pdfs.

Please note: Failure to supply a letter of support from each institution will result in your application being deemed ineligible for consideration. The quality of institutional support is a key factor in the strength of the application and the confirmation of support in the letters are crucial for the Academy to determine the level of commitment from each institution.

Q – Letter of support from the industry partner(s) and other stakeholder partners

Upload a signed letter of support from the industry partner(s) and any other partners listed and involved in this project, confirming their commitment to this applicant and the proposed project.

The letter of support should contain the following:

- Confirm the industry's commitment to this programme and explain why this collaboration is strategically important to them and what the anticipated benefits will be.
- A brief description of the planned work, and how this fits within the company or organisation's aims and activities.
- Detail what facilities, training and equipment will be made available to the project, and any other contributions they will make to the award.
- Affirmation of the contribution of the partner to the programme, in terms of cash, facilities, equipment, staff time etc.

The letter should not exceed two pages and should be submitted as a PDF.

Please note: Failure to supply a letter of support from each partner will result in your application being deemed ineligible for consideration. The quality of institutional support is a key factor in the strength of the application and the confirmation of support in the letters is crucial for the Academy to determine the level of commitment from each industry partner.

3. Inclusion and participation

Please read the 'Diversity & Inclusion' and 'Gender equality statement' information on pages 13 & 14 of these Applicant Guidelines Notes before answering these questions.

Q - How have you considered gender equality in the project or activity design?

In line with the UK Government's Gender Equality in Research and Innovation Policy, all successful applications to this scheme must demonstrate consideration of the activities on gender. All funded activities will, and at a minimum, ensure that no harm is done to gender equity.

To this end, please outline any specific gender considerations and implications for your proposed project. This could include any measures you have put in place to ensure equal opportunities, any expected impacts on people of different genders, or any outcomes or outputs that you will measure disaggregated by gender.

(Maximum of 400 words)

Q - Please describe how you have ensured the meaningful participation of women (and girls where appropriate) and/or members of relevant marginalised groups, including people with disabilities when designing your project. Are you considering accessibility?

(Maximum of 200 words)

Q - Please explain if students and early career researchers will be participating in this project and if so, to what extent they will be involved?

(Maximum of 200 words)

Q - Stakeholder analysis and engagement

Identify and list the project audience and stakeholders as well as local communities, end users and beneficiaries who might be interested in and benefit from this project, as well as those who might oppose or be negatively impacted. For each stakeholder group, describe the 'how' and 'what' benefits/ negative impacts they will get from the project and if/how you intend to engage them during the course of the project.

For stakeholders: consider the relative interest each group or organisation has in your work, and their relative influence over your ability to achieve your impact goals. This influence could be negative (blocking you from achieving impact) or positive (enabling you to achieve things that would not have been possible without their help).

For communities, end users, beneficiaries etc. in addition to considering their relative interest in your work, consider the extent to which different groups (e.g., demographics, interest groups) might benefit from the project, or might be negatively impacted, and how you intend to engage them and ensure their voices are heard.

You might find the Academy's [Systems 101 workshop slides](#) useful in your thinking, (particularly slides 1-3).

(Maximum of 300 words)

4. Goals, Objectives, Outcomes and Impact

When answering these questions please remember the question around new partnerships and existing partnerships in Section 2. If you selected existing partnerships, please refer to your previous work as much as required to make your answers as clear as possible.

Q – Log Frame

Please upload a completed log frame document as a PDF. The log frame template can be found in the supporting documents section. The objectives column should be completed first and then the rows should be worked across, listing the activities, outputs, outcomes, and indicators for each objective. Please include all the objectives you are hoping to achieve.

Q - Goals and objectives

Please state up to three main objectives for the collaboration in bullet point form and keep them as concise as possible. Where possible these objectives should be SMART (specific, measurable, achievable, relevant and time-bound).

Q –What is the technical and national context of your collaboration and what makes it unique?

Please describe:

- The context in your country that makes your proposal necessary
- The challenges and needs that your proposal will meet - for new partnerships please link this to the theme you selected earlier; Affordable Healthcare or Clean Energy
- How your proposal uses innovation, emerging technology and state of the art techniques to solve these issues
- How your proposal aligns with local or national policy objectives
- What makes your collaboration unique

(Maximum of 500 words)

Q - What is the scale of the challenge you are tackling, and how much of it do you think you will address?

Please give evidence-based statistics or data which give a sense of the scale of the challenge locally (e.g. number people affected) and a numeric estimation of how much of that challenge you can reach and address through the project

(Maximum 200 words)

Q - Please explain how you plan to apply a Systems approach to meet the Transforming Systems through Partnership programme objectives and Theory of Change

Taking a systems approach involves using a range of different techniques to navigate complex webs of elements and interconnections so that you can transform or design a system that meets its intended purpose.

The TSP objectives can be found on page 3 of the applicant guidance. The TSP Theory of Change can be found in the supporting documents (available to download online from the TSP website 'How to apply page').

You may find the UK government's [systems thinking toolkit](#) and the Academy's [Systems 101 template](#) helpful in your answer.

(Maximum of 300 words)

Q – What are the expected outcomes and impacts of the project for your Department, University/Research institute and the wider engineering community and general public in your country?

Please outline how this grant will help to build lasting capabilities and generate wide impact in your institution and the wider engineering community in your country. Please discuss:

- The expected outcomes and impacts that will accrue to your own university.
- The expected outcomes and impacts that will accrue to the project partners. Plans for activities you will undertake to maximise the benefits of the programme for the wider engineering community and general public in your country.
- How these impacts will create sustainable change that lasts beyond the grant funding period

(Maximum of 500 words)

Q – Indicators of success

Outline the key indicators for how you will measure the success of your project based on the proposed impact and sustainability. You can refer to the Log frame Indicators column and expand on those. Indicators of success could include

- new technology developed or technology moving up a TRL level
- raised awareness of an issue,
- Students/engineers trained or upskilled,
- Commercialisation or tech transfer of a product,
- new educational courses developed,
- papers published,
- New partners or funders engaged.

(Maximum of 300 words)

Q - Please explain how you will ensure the sustainability of the project outcomes and relationships with your partnerships, (UK university partner, Industry partner) beyond the funding period?
Please note for existing partnerships we are looking for applications with clear routes to sustainability and future funding beyond the lifetime of the grant.

Your answer could include things such as

- How all the respective partners will build on the outcomes of this collaboration
- Joint or separate activities that will be undertaken following the conclusion of this project
- Any future funding you may apply for following this project and how this will build on what you have accomplished
- How you will maintain the relationship with your partners
- Commercialisation of a product or idea
- Increase in awareness in the industry of the challenge you are addressing
- Placements/exchanges

(Maximum of 400 words)

Q - How will the outcomes and results of your project be disseminated

Please explain how you plan to effectively communicate your outcomes and results to your target audience(s) and communities involved e.g., social media, websites, conferences, traditional media, journals, training workshops etc

(Maximum of 250 words)

Q - What are the potential risks or negative unintended consequences of your project and how will you monitor and mitigate these?

Your answer should

- specify the issues (scaling up/lack of buy-in, supply chains, future funding, project issues such as logistics, staffing or time zones)
- specify the stakeholders that might be impacted.
- outline the activities you would take to mitigate these.
- what measures you will take to record and learn from these unintended consequences.

(Maximum of 300 words)

5. Project planning and resourcing

This section asks for summary details of the application.
Here you will provide the main summary details for the application, covering the dates of the visits, the costs, the general subject area and an abstract of the proposed activities.

Q - Provide a detailed description of the activities to be undertaken

Describe the programme of work to be undertaken during the project including how novel, realistic/ambitious the project is. Outline what will be delivered, when it will be delivered, and the milestones you will use to measure progress. There is an option to upload any supporting documents, figures and diagrams in the next question. Your description should include:

- Description of the agreed work programme(s) against the objectives, including a breakdown of tasks, indicating which team member will lead and in which country they are to take place
- A detailed technical case for the programme of work
- Outline of the planned stages

Please note: All responsibility for arranging travel and accommodation will lie with researchers and institutions involved

You may want to refer to the log frame that is required in Section 4.
There is an option to upload any supporting documents, figures, and diagrams at the end of this section

(Maximum of 1000 words)

Q - Gantt chart

Please upload a detailed Gantt Chart outlining your agreed work programme, including a breakdown of milestones, indicators, and target dates for specific elements of the work and the cost breakdown associated with each stage.

You are free to design this Gantt chart yourself to best illustrate your work programme, but it must be understandable to a non-expert and a clear distinction must be made to show how the Academy's contribution will be spent. **Please upload in PDF format.**

Q – Breakdown of funding request

Please refer to the funding guidelines on pages 12, 13 & 14 and 15 of this document.

Please find the Budget Template document in the supporting documents section on the TSP website 'How to apply' page

The form is to be filled in and uploaded in Excel format, (A3 size acceptable). Please outline the total costs of your work programme and clearly show the support you are requesting from this grant (from the Academy, or for Thailand from the Academy and PMUC) and the contribution your partnership will offer.

The recipients of grant monies (the Lead Jordan / South Africa /Thailand university and UK lead university) will be expected to provide all parties with the grant resources to enable the programme of activities to take place per the programme budget. Partnering universities should reach agreement regarding who the grant recipients should be and make financial arrangements before the application is submitted. Evidence of this will be required at the contractual stage.

Please note - no more than 50% of the total funds requested can go to the UK side of the project

Q - Justification of costs for grant value sought

Please provide a brief narrative explanation of all costs you are requesting that the grant will cover, including both what the funds will be spent on and why. We require evidence that you have researched the costs for which you are seeking support; for example, you could include the cost per night of accommodation.

Travel costs should be based on the most suitable and economical form of travel. Subsistence costs should reflect the normal rates applied at the host institution/s.

Please Note: This programme offers support for travel, subsistence, salary and dissemination support costs related to conducting collaborative activities amongst industry, academic and other partners in the Lead country and the UK.

(Maximum of 300 words)

Q - Matched Funding Details

Please provide a brief narrative of the matched funding component which will be provided by the partnering organisations or others in support of the project.

In addition to the funding awarded for this project, project partners must demonstrate a matched contribution of at least 50%. **This can be in-kind or financial (or a mixture of both) and can be from any of the partners.** Contributions do not need to match the ratio of funding received by each partner.

Please see page 9 in these Applicant guidance notes for specific match funding requirement for Thai applicants

Matched funding could include:

- University/institution/industry contribution to researcher and industry partner salaries, including in-kind contribution through volunteering expert time
- Free use of university/institution/industry partner research labs, other equipment, consumables, or materials
- Free use of university/institution/industry partner venue to host workshops and dissemination events.
- Financial contribution to support the project outcomes.

(Maximum of 300 words)

Q – Funding allocation

The method of awarding funding will be as follows;

For awardees based in Jordan and South Africa, the Royal Academy of Engineering will provide the grant funding to both the Jordanian / South African university and the UK university, respectively. Therefore, please ensure both universities are willing and able to accept payments in GBP (£)

For Thailand awardees – the Royal Academy of Engineering will provide funding to the UK side and PMUC will provide funding to the Thai side.

In all cases the recipients of grant monies will be expected to provide all parties with the grant resources to enable the programme of activities to take place as per the programme budget submitted to the Academy.

Please tick the checkbox to confirm you are happy with this arrangement

Q – Please state the split of the grant award as follows

o What percentage (%) of the grant that you are requesting will go to your UK partner university? This includes funding that will be dispersed to <u>all</u> UK partnering organisations involved in the project.

o What is the amount in GBP (£) of the grant that will go to your UK partner university. This includes funding that will be dispersed to <u>all</u> UK partnering organisations involved in the project.

o What percentage (%) of the grant will go to your institute in Jordan/South Africa/Thailand? This includes funding that will be dispersed to <u>all</u> in-country partnering organisations involved in the project.

o What is the amount in GBP (£) of the grant that will go to your institute in Jordan/South Africa/Thailand? This includes funding that will be dispersed to <u>all</u> in-country partnering organisations involved in the project.

Q – Please provide details on the ownership of any pre-existing or future Intellectual Property to be used/ generated and any formal agreements to this effect.

If the project involves the use or potential generation of Intellectual Property, provide the details of any relevant agreements. If no formal agreement exists or is planned, include considerations on any potential risk to IPR and how the risk will be mitigated.

Please note: In projects which aim to generate IP, The Academy expects the researchers and institutions to agree in writing on Intellectual Property Rights (IPR) before the start of the exchange. Any agreement should allow for agreed dissemination activity to be undertaken unhindered.

The Academy and international partners will not have any claim on research funded by the scheme.

Guidance on reaching Industry Academia IP agreements as well as model arrangements for collaborative research can be found here:

https://www.gov.uk/guidance/university-and-business-collaboration-agreements-lambert-toolkit

(Maximum of 300 words)

Q - Images and diagrams

Upload any images and/or diagrams related to your project. Upload <u>a single document</u> with the images and diagrams in the order you would like them viewed. You can upload a maximum of one file, so if you have multiple images to display then please collate them into a single file and be sure to arrange them in the order you would like them viewed.

Please upload in PDF format

6. Lead applicant declaration

Q – Jordan/South Africa/Thailand university declaration

The purpose of the declaration is to confirm that the application is acceptable in principle to the Jordanian/South African/Thai University, and that it has received all necessary internal authorisations.

The declaration terms below must be transferred to headed paper and be agreed to and signed by an appropriate officer from the Lead applicant's institution/university. A scanned copy of the letter should be uploaded by the applicant. We do not need the hard copy version to be sent through.

The terms that the declaration must contain are shown below. Please copy these bullet points directly into your Institution's declaration.

- The applicant will be employed by the institution/university for the duration of the award.
- The applicant and any co-applicant(s) will be given full access to the facilities, equipment, personnel and funding as required by the application.
- The costs submitted in the application are correct and sufficient to complete the award as envisaged. Any shortfall in funding will be met by the institution/university.
- The institution will ensure that the proposed programme of work has been agreed between all institutions involved in the exchange and that all necessary contracts, visas, IPR agreements, financial processes and other necessary arrangements are in place before the start of the exchange.
- The institution is satisfied that language will not be a barrier in regard to a successful collaboration and, if necessary, sufficient language support and training will be obtained in advance of travel.

Q - Applicant declaration

I confirm here and by submitting this application that:

- all information is accurate at the time of submission
- the ideas presented are my own and not plagiarised or containing IP that is not owned by myself,
- all contributions have been appropriately referenced or credited including the use of any online tools such as AI generative tools used in developing my application,
- I understand that failure to cite and declare references or sources will result in my application being removed from the process
- I understand that my application and any content including IP shared within will be shared with reviewers as part of our application process
- I have the express permission of any individuals whose contact details I have shared as part of this application process, to share these details with the Royal Academy of Engineering

Please enter your name and institute:

7. Marketing

Q - Have you been awarded a grant by the Royal Academy of Engineering before?

List the project titles and reference for any grant(s) that you or your partners hold, or have previously held with the Royal Academy of Engineering or Engineering X

Q - If you would like to receive the Engineering X newsletter, please tick the box below

Successful applicants will be automatically sent the Engineering X newsletter.

Q - Where did you hear about this scheme?

Please select all of the relevant options. The information provided will help us improve our communication strategy.

Q - If you have selected 'other' above please specify