# Annex 1 - Application form EUDP

*This application form should be completed in English if the application is for more than DKK 3 mill. for a project. If the amount of project funding applied for is less than DKK 3 mill., the application may be written in English or Danish. Before the application is submitted, it is possible to apply for exemption from having to write the application in English if the amount of funding is less than DKK 15 mill. If research or researcher training is involved, the application must be completed in English.*

*The application should be kept as* ***brief and precise*** *as possible, but it must also be sufficiently informative to provide a basis for technical and commercial evaluation.*

*The applicant must* ***provide sufficient answers to all the fields*** *in the application form. Responding to an individual point by referring to an annex is not sufficient. If the applicant finds some of the criteria irrelevant with regard to the project in question, an explanation for this must be given in the application form.*

*Guidelines text (italics) should be deleted so that, when it is submitted, the application form includes* ***only*** *numbered headings and the relevant text from the applicant.*

## Summary

*Briefly describe the purpose of the project, main activities and results in non-technical and readily understandable language in Danish and English, respectively. Include the most important green and commercial effects, as well as who is to commercialise the project solution.*

*The summary may be published after funding commitment is given. Other information in the application will be treated as confidential.*

Summary (English):

|  |
| --- |
|  |

Resumé (dansk):

|  |
| --- |
|  |

## Project description and state-of-the-art

### **Purpose of the project:**

*Describe the purpose of the project. Also describe briefly the energy technology being developed and demonstrated in the project.*

|  |
| --- |
|  |

### **State-of-the-art:**

*Describe state-of-the-art for the technology in the project, including a description of the current stage and development of the technology towards the market. Describe also the energy technology the project is to focus on.*

|  |
| --- |
|  |

### **Innovation height:**

*Describe how the project contributes to improving the state-of-the-art (innovation height). Use illustrations if possible to outline how the technology developed will function.*

|  |
| --- |
|  |

### **Relation to other projects:**

*Describe how the project relates to the results from previous (funded) projects, including how the project builds on these. Furthermore, elaborate how the project differs from other current and previous projects. Finally, if the project is linked to other current projects, the results of these must be available.*

|  |
| --- |
|  |

### **Technological risks:**

*Insert,* ***as a minimum****, the three main technological risks in the project. State the probability and impacts (1 = smallest and 5 = largest) and preventive measures.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Probability****(1 = smallest,** **5 = largest)** | **Impact****(1 = smallest,** **5 = largest)** | **Preventive measures****(text)** |
| Risk 1 |  |  |  |
| Risk 2 |  |  |  |
| Risk 3 |  |  |  |
| … |  |  |  |

### **Technology Readiness Level (TRL):**

*Indicate using TRL how the current project is expected to move technology, including subcomponents (if relevant).*

|  |  |  |
| --- | --- | --- |
| Technology and subcomponents | TRL at start of project | TRL at completion of project |
|  |  |  |

*Elaborate if necessary.*

|  |
| --- |
|  |

### **Research, development and demonstration (RDD) strategies in the energy field:**

*Describe how the project is appropriate in relation to the EUDP's strategy and any other relevant Danish RDD strategies in the area.*

|  |
| --- |
|  |

## Project content and activities

### **Project plan**, **work packages** and activities:

*Describe the project plan and how the work packages relate to each other.*

|  |
| --- |
|  |

*Using the table below, describe the project work packages (illustrated in the Gantt chart, annex 3) and the associated activities, as well as participants in the work packages. Furthermore, account for technical and commercial milestones (including stop/go milestones), the equipment/external deliverables to be supplied in the various work packages as well as the results expected.*

*Note that funding is not provided for project activities to develop business models, market analyses, direct promotion and other commercial market activities.*

|  |  |
| --- | --- |
| **Name of work package** |  |
| **Number of work package** |  |
| **Leader and partners of work package** |  |
| **Content and activities of work package** |
|  |
| **Deliverables/results of work package** |
|  |
| **Technical and commercial milestones** |
|  |
| **Equipment/external deliverables** |
|  |

## The effects of the project in relation to energy-policy goals

*Assessment of the project will focus on the project’s relevance and potential in relation to the objectives of the programme, including in particular whether the project directly supports the long-term vision to make the Danish energy system independent of fossil fuels.*

Green outcome areas of the technology:

*In which areas will the project primarily help to secure the green transition? Rank areas from the largest to the smallest impact (1 = smallest, 4 = largest). The assessment will focus on the overall impact, and not whether there are many outcome areas.*

|  |  |  |
| --- | --- | --- |
| Security of supply | Rank |  |
| Fossil fuel independence | Rank |  |
| Climate and environmental considerations | Rank |  |
| Energy efficiency | Rank |  |

Green impacts of the technology:

*Complete the table with the expected impacts the technology will ensure assuming the technology achieves the expected market deployment and technological results (units may be adapted).*

*As a minimum, describe the expected contribution in each outcome area qualitatively. State quantitatively if possible (optional).*

|  |  |  |
| --- | --- | --- |
|  | Qualitative description | Quantitative impact (optional) |
| Fossil fuel independence |  |  |
| Climate and environmental considerations |  |  |
| Energy efficiency |  |  |

#### Security of supply:

*Describe how the technology will contribute to security of supply.*

|  |
| --- |
|  |

Technology deployment by sector:

*In what sectors is it likely that the technology can contribute to carbon reductions (directly or indirectly)? Break down the impact into percentages across sectors (total 100%).*

|  |  |
| --- | --- |
| Industry |  |
| Electricity and district heating |  |
| Transport |  |
| Agriculture |  |
| Households |  |
| Others |  |
| Across all sectors |  |

#### Impact on security of supply in different sectors:

*In what sectors will the technology contribute to security of supply?*

|  |
| --- |
| Electricity |[ ]
| Heating |[ ]
| Gas |[ ]
| Fuels (liquid and solid) |[ ]

Timeframe for the green impacts of the technology:

*How long will it take from the end of the project before the first green impacts take effect? State the number of years and justify the estimate.*

|  |
| --- |
|  |

*How long will it take from the end of the project before the majority of the expected (annual) green impacts of the project are realised? State the number of years and justify the estimate.*

|  |
| --- |
|  |

Commercial impacts of the technology:

*Complete the table with the expected impacts the technology will ensure assuming the technology achieves the expected market deployment and technological results (units may be adapted).*

*As a minimum, describe the expected contribution in each outcome area qualitatively, and as far as possible quantitatively.*

|  |  |  |
| --- | --- | --- |
|  | Qualitative description | Quantitative impact (optional) |
| Cost effectiveness |  |  |
| Economic growth |  |  |
| Employment |  |  |

Research that improves development and demonstration of an energy technology:

*Describe the expected number of publications in peer-reviewed journals and contributions to conferences (presentations, posters, etc.). NB: This point is only relevant for projects with research content.*

|  |  |
| --- | --- |
| Number of expected peer-reviewed articles |  |
| Number of expected contributions to conferences (presentations, posters, etc.) |  |

## Dissemination

### **Target group:**

*Describe who will be the target group for dissemination of the project results.*

|  |
| --- |
|  |

### **Activities:**

*Describe how the project results will be disseminated (dissemination products and activities).*

|  |
| --- |
|  |

## Organisation

*Focus is on whether the right competences are present, and that there is an enterprise that can commercialise the technology/solution.*

### **Organisation/management and technical competences:**

*Briefly present and use the table below for each project participant to disclose:*

* *Participant's main activities, turnover and number of employees.*
* *How the current project fits in with the strategic focus of the enterprise.*
* *The competences, responsibilities and work in the project of the participating enterprises. Also describe here the management competences of the project manager.*
* *Demonstration host if relevant.*

*If the application includes funding for foreign project participants, account separately for the need for foreign participation in the project.*

*Furthermore, enclose a CV for the project manager and brief CVs for the other project partners.*

|  |
| --- |
| [Enterprise name][Contact information] |
| Main activities: |  |
| Turnover: |  |
| Number of employees: |  |
| How the current project fits in with the strategic focus of the enterprise: |  |
| The competences, responsibilities and work in the project of the participating enterprises: |  |

### **Competences and work in the project:**

*Insert the respective competences and work (hours) in the project in the matrix below.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Project partner 1 | Project partner 2 | Project partner 3 | Project partner 4 |
| Project management | *X hours* |  |  |  |
|  |  |  |  |  |
| Technical competences |  |  |  |  |
| Competence a |  | *X hours* |  |  |
| Competence b |  |  | *X hours* |  |
| … |  |  |  |  |
|  |  |  |  |  |
| Commercial competences |  |  |  |  |
| Competence c |  |  |  | *X hours* |
| Competence d |  |  |  | *X hours* |
| … |  |  |  |  |
|  |  |  |  |  |
| Other competences |  |  |  |  |
| … |  | *X hours* |  |  |
|  |  |  |  |  |
| Total hours  | *X hours* | *X hours* | *X hours* | *X hours* |

### **Public/private collaboration:**

*Describe the degree to which the project is based on collaboration between private and public actors.*

|  |
| --- |
|  |

### **Allocation of rights:**

*Describe any plans to patent the results of the project. Account for the allocation of rights in the project, possibly as a draft agreement[[1]](#footnote-1).*

|  |
| --- |
|  |

## **Financing**

*Considerable self-financing by the project participants is required for development and demonstration projects. The funding intensity is determined within the maximum funding rates stipulated in the EU state aid regulations, see the section on aid intensity in the* [*EUDP rules*](https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/regelsaet_eudp_marts_2015.pdf)*. See the EUDP* [*guidelines*](https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/vejledning_til_ansoegning_2020-ii.pdf) *for more information on budget items (annex 2).*

### **Financing:**

* *Describe the private self-financing of the project by using annex 6 ”Declaration of participation in an EUDP project”.*
* *State whether co-financing from a third party is expected, including whether an agreement has been entered into. Enclose the agreement if it has already been entered into.*
* *Note that the final financing agreement must have been entered into before the start of the project.*

|  |
| --- |
|  |

### **Capital and operating budget in the project period:**

*Expenditure for* ***equipment*** *may be included in the project budget in proportion to the extent to which the equipment will be used in the project. The calculation should be based on the expected depreciation over the project period. For* ***demo-plant*** *established during the project, the expected value of the plant at the end of the project should be deducted from the eligible costs. State the assumptions for the calculation of depreciation on the equipment and for the expected value of the demo-plant at the end of the project. Equipment and demo-plant must be budgeted at the relevant project participant.*

* *Account for capital and operating budget in the project period for which funding is being applied.*
* *Account for any external deliverables in the project, including that procurement is in accordance with the* [*EUDP rules*](https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/regelsaet_eudp_marts_2015.pdf) *(section 3.3.5).*

|  |
| --- |
|  |

### Conditions after the project period:

*Describe the operation of the plant and possible expansion and/or conversion of the plant after the project period as well as any alternative applications of the plant after the project period.*

|  |
| --- |
|  |

## Incentive

*Funding from the EUDP must have an incentive effect. This means that funding is only awarded to project participants provided that, as a consequence of the funding, the recipient increases the scope, extent or speed of efforts, compared to a situation where funding is not awarded. The likelihood of the incentive effect must be described in the application, and the EUDP can subsequently request further documentation.*

**State whether the project will be implemented without funding from the EUDP:**

**Yes** [ ]  **No** [ ]

### **Incentive effect:**

*Each recipient of funding must account for how funding for the project will lead to increased efforts with regard to scope, extent, speed or costs, compared with a situation without funding. Each participant should provide information on which of these areas funding received will affect performance of the project by the relevant participant. Use the table below.*

|  |  |
| --- | --- |
| **Partner** | **Description** |
| [Project partner 1] |  |
| [Project partner 2] |  |
| [Project partner 3] |  |
| [Project partner 4] |  |
| [Project partner 5] |  |

## Market

*When assessing project proposals, the EUDP will have decisive focus on the commercial perspectives of the project, and that these are described and supported in the application.*

*When assessing projects which end in the demonstration phase (TRL 7 and 8) in particular, emphasis will be on whether concrete plans are available for market deployment of the technologies and products developed, including the degree to which:*

* *The project meets a demand in the market and has a well-defined customer aim;*
* *There is an economic growth potential and a potentially competitive product;*
* *The project involves patentable technology.*
* *The project has clear involvement of private enterprises which will commercialise the results of the project.*
* *The project can help retain jobs in Denmark and/or establish a foundation for new jobs in Denmark.*
* *There is potential for exports to global growth markets.*
* *Assessments of commercial perspectives have been made probable in the application.*

 *There are not the same requirements for market analyses for projects ending in a lower TRL. However, the applicant is expected to describe how the project can bring new solutions closer to the market, and to outline the process that will follow after the development phase.*

### **Business Canvas Model (business plan):**

*On the basis of the responses to the questions below under points 8.2 – 8.5, complete annex 4 “Business Canvas Model” for the intended solution/technology to be developed in the project.*

*Furthermore, describe and quantify how the intended solution/technology is expected to improve the enterprises' current business plans (enclose any documentation).*

### **Target group and added value for users:**

*Who is the solution/technology to be sold to (target group)? Describe for each technology, if there are several.*

*What added value (value proposition) does the solution/technology contribute for the target group? Describe for each solution/technology, if there are several.*

|  |
| --- |
|  |

### **Analysis of competition:**

*Describe the competitive situation for the relevant technology. Are there competitive solutions? If yes, state the name of the principal competitors and describe their solutions.*

*State the advantages and disadvantages of the project technology relative to competing technologies.*

|  |
| --- |
|  |

### **Market potential:**

*Describe the size of the expected national and international markets at market introduction and the future potential (scope and turnover).*

*Describe the development in demand for the technology qualitatively and quantitatively.*

*Describe the technology’s potential in global growth markets.*

|  |
| --- |
|  |

#### Market sizes:

*Give an estimate of the size of the total national market and of the international market excluding the national market (this may be an interval):*

|  |  |
| --- | --- |
| National market (DKK mill.) |  |
| International market (DKK mill.) |  |

#### Market share:

*State the share of this market likely to be won by the technology (this may be an interval):*

|  |  |
| --- | --- |
| National market share (%) |  |
| International market share (%) |  |

#### Market deployment:

*For the market likely to be entered, state the expected scope of deployment assuming that the full expected market potential is achieved. State unit and size. Examples of units: number of enterprises, number of sales, share of production within a specific sector or product group.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Industry | Unit |  | Size |  |
| Electricity and district heating | Unit |  | Size |  |
| Transport | Unit |  | Size |  |
| Agriculture | Unit |  | Size |  |
| Households | Unit |  | Size |  |
| Across all sectors | Unit |  | Size |  |
| Others | Unit |  | Size |  |
| If “other”, explain what this covers |  |

### **Marketing plan:**

*State how many years from the end of the project it is likely to take to introduce the solution to the national and international markets.*

|  |  |
| --- | --- |
| National market introduction (number of years after end of project) |  |
| International market introduction (number of years after end of project) |  |

*State which participant(s) is/are to commercialise the project results after the end of the project.*

*How is the solution to be marketed/implemented after the end of the project? Describe how the solution is to be made ready for market, if it is not ready at the end of the project.*

|  |
| --- |
|  |

Market risks

*Insert,* ***as a minimum****, the three main market risks in the project. State the probability and impacts (1 = smallest and 5 = largest) and preventive measures.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Probability****(1 = smallest,** **5 = largest)** | **Impact****(1 = smallest,** **5 = largest)** | **Preventive measures****(text)** |
| Risk 1 |  |  |  |
| Risk 2 |  |  |  |
| Risk 3 |  |  |  |
| … |  |  |  |

## **Research**

*Projects including research or researcher training, must be subject to research-technical assessment pursuant to section 5 of the Act on Innovation Fund Denmark.*

*See also the EUDP* [*application guidelines*](https://ens.dk/sites/ens.dk/files/Forskning_og_udvikling/vejledning_til_ansoegning_2020-ii.pdf)*.*

Is research and/or researcher training including in the project?

**Yes** [ ]  **No** [ ]

### Information for research-technical assessment:

*If research is included, annex 8 must be enclosed, and a summary of this must be inserted here.*

|  |
| --- |
|  |

## Other programmes

Is this application being processed under other programmes?

**Yes** [ ]  **No** [ ]

*If yes, state which:*

|  |
| --- |
|  |

## Reapplication

State whether the application is a reapplication from previous application round(s).

**Yes** [ ]  **No** [ ]

*If yes, state the file no., project title, and previous reasons for rejection and describe how these have been addressed:*

|  |
| --- |
|  |

##  Annexes

*(This application form is annex 1, which includes the following additional annexes - edit the list to correspond with the current application:)*

* Annex 2: Budget (Excel file).
* Annex 3: Gantt chart (Excel file).
* Annex 4: Business Model Canvas (Word file).
* Annex 5: CVs - as a minimum, the CV of the project manager (combined in a single file). CVs for all project participants in English if research is included (combined in a single file).
* Annex 6: Declarations of participation by all participants, see guidelines in point 6.1 (combined in a single file).
* Annex 7: Declaration on repayment of funding.
* Annex 8: If research is included in the project (must stand alone and be read independently of the remaining application).

*(Possibly add further annexes and use descriptive file names)*

1. There must be a signed cooperation agreement between the parties before the EUDP pays funding to the project. It is recommended that the agreement reflect the participants’ respective interests, workload and contribution in the project etc. [↑](#footnote-ref-1)