**Template version** of 04.01.2023

Pre-proposal form:

‘Relief of the power grid through appropriate use of energy’

2023 call for field testing projects

*Deadline to receive applications:* ***13 March 2023****; to be sent as a PDF file (****max. 8 pages, explanations in italics may be deleted****). The completed and signed application in German, French, Italian or English (digital signature or scan of the signatory page) including all the mandatory and optional annexes is to be submitted in digital form to* [*pilot-demo@bfe.admin.ch*](mailto:pilot-demo@bfe.admin.ch) *(subject: 'P+D project call, grid 2023'*).

# General information

## Subject

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Dynamic tariffs |  | Local energy communities |  | Flexibility |  | Efficiency/energy conservation |

## Main applicant

*Details of party bearing overall responsibility for the application.*

|  |  |
| --- | --- |
| *Institution* | *Contact:* |
| **Click here to enter text.** | Click here to enter text. |
| *Address:* | |
| Click here to enter text. | |
| *Email:* | *Tel.:* |
| Click here to enter text. | Click here to enter text. |

## Project partners

*Name all parties participating in carrying out the project (in addition to the main applicant):*

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| --- | --- |
| *Institution* | *Contact:* |
| **Click here to enter text.** | Click here to enter text. |
| *Address:* | |
| Click here to enter text. | |
| *Email:* | *Tel.:* |
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|  |  |
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| *Institution* | *Contact:* |
| **Click here to enter text.** | Click here to enter text. |
| *Address:* | |
| Click here to enter text. | |
| *Email:* | *Tel.:* |
| Click here to enter text. | Click here to enter text. |

## Project title

|  |
| --- |
| *Project title in German, French or Italian:* |
| **Click here to enter text.** |
| *Acronym/abbreviated title of project* |
| Click here to enter text. |

## Project duration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Start of the project: | Click here to enter a date |  | End of the project: | Click here to enter a date |

## Costs and funding

### **Project costs**

*Estimate the costs of the project in CHF and allocate them to relevant part of the project:*

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| --- | --- | --- | --- | --- | --- | --- |
| **Cost** | **Development** | **Implementation** | **Monitoring results** | **Project management** | **Other** | **Total [CHF]** |
| Main applicant |  |  |  |  |  |  |
| Partner 2 |  |  |  |  |  |  |
| Partner 3 |  |  |  |  |  |  |
| **Total [CHF]** |  |  |  |  |  |  |

### **Funding sources**

*Provide details on financial contributions expected from various sources (in CHF). List sources of any third party funds.*

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| --- | --- | --- | --- | --- |
| **Funding source** | **2022** | **2023** | **2024** | **Total [CHF]** |
| Main applicant |  |  |  |  |
| Partner 2 |  |  |  |  |
| Partner 3 |  |  |  |  |
| **SFOE contribution[[1]](#footnote-2)** |  |  |  |  |
| Third party funding (give source) |  |  |  |  |
| **Total [CHF]** |  |  |  |  |

### **Further federal contributions**

*Has (or will) an inquiry or an official application for further financial contributions been made to another federal funding institution (Innosuisse, SNSF, FOEN, FOT, FEDRO, SwissEnergy, etc.) for the current project or a related project?*

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

## Abstract

*Brief description of the project in German, French or Italian (max. 1000 characters including spaces; will be published):*

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| Click here to enter text. |

# Content of project

## Project environment / Innovation / Added value

*Describe the motivation for carrying out the project and the context in which it is situated. Explain what distinguishes this project from current solutions, where the innovative aspects lie in terms of the current state of knowledge and what fundamentally new knowledge can be generated by the project. List the technical and/or economic advantages that will result from the new technology/solution/process and to what extent new knowledge, know-how and value creation can be generated.*

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| Click here to enter text. |

## Preliminary studies

*Indicate the expertise possessed by the project team in the subject area and what preliminary studies have been carried out in connection with this specific project:*

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## Project participation and scope

*Please specify the location of implementation and which area(s) of the grid will be involved in the project. Please describe how participants who are not part of the project team can participate and withdraw from the project and if/how their participation in the project is ensured (e.g. letters of intent). If necessary, please give a brief description of the production and/or consumption facilities that may be involved in the project.*

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## Project description

*Describe the work that is planned during the project and explain the stages of development, the planned implementation as well as the method planned to evaluate the attainment of the project goals. Performance monitoring must allow validation of the advantages of the planned development using data acquired in the field.*

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# Relevance & potential

## Potential for multiplication and implementation

*Describe the potential for application in Switzerland and worldwide of the technology/solution/process to be studied. Estimate the market prospects of a later product/service and describe how and by whom the knowledge gained will be brought to market. Name existing competitors and solutions.*

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## Energetic potential/contribution to increased security of energy supply and reduced strain on the transmission grid

*Quantify the anticipated energetic benefit that will result from this project (or technology/solution/process to be studied), and evaluate its contribution to a safe, economically optimised and environmentally friendly energy supply as well as to an economical and rational energy consumption.*

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# Information for sandbox projects[[2]](#footnote-3)

## Legal basis and necessity of deviation

*Describe precisely the current legal basis (Arts. 6, 8, and 10–20a, Federal Act of 23 March 2007 on the Supply of Electricity (ESA, SR 734.7)) of limitations on the implementation of the project and which must be circumvented in order to execute the project. An exchange with the ElCom secretariat may be necessary under certain circumstances. Explain why the expected results cannot be achieved in a protected environment without the need for deviation from the law. If possible, indicate previous projects that may have shown the need for an exception (e.g. reference to final reports, publications, etc.)*

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## Future implementation

*Provide a detailed description of the desired results of the project and explain how they could lead to information that is relevant to a future amendment of the Electricity Supply Act.*

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| Click here to enter text. |

# Signatures

*This application has to be signed by all project partners who will actively participate in carrying out the project. By signing this application, the project partners declare that the information given in this form is truthful. Further, the project partners declare that they also agree to the publication and publicising of the results gained from the project in accordance with the Energy Ordinance (SR 730.01), Art. 61 and the Electricity Supply Ordinance (SR 734.71), Art.26a, para.6. In particular, project reports (interim and final reports) and the main project information will be published on the ARAMIS information platform (*[*www.aramis.admin.ch*](https://www.aramis.admin.ch/?Sprache=en-US)*) and, if applicable, the federal geoportal (*[*map.geo.admin.ch*](https://map.geo.admin.ch/?X=190000.00&Y=660000.00&zoom=1&lang=en&topic=ech&bgLayer=ch.swisstopo.pixelkarte-farbe)*) or the SFOE's* [*sandbox website*](https://www.bfe.admin.ch/bfe/en/home/research-and-cleantech/sandbox.html)*.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Main applicant (institution)* | | | | |
| **Click here to enter text.** | | | | |
| *Place, date:* |  | *Name, last name:* |  | *Signature:* |
|  |  |  |  |  |
|  | | | | |
| *Project partner (institution)* | | | | |
| **Click here to enter text.** | | | | |
| *Place, date:* |  | *Name, last name:* |  | *Signature:* |
|  |  |  |  |  |
|  | | | | |
| *Project partner (institution)* | | | | |
| **Click here to enter text.** | | | | |
| *Place, date:* |  | *Name, last name:* |  | *Signature:* |
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1. *max. 40% of the non-amortisable supplementary costs (i.e. the costs of realising the project,* *minus the expected gains/savings over the lifetime of the technology/solution/concept and minus the costs of acquiring conventional facilities)* [↑](#footnote-ref-2)
2. To be completed only if the project requires a regulatory sandbox for its implementation. [↑](#footnote-ref-3)