# **DSO/TSO Technopedia Application Form**

## Application Form Instructions

External stakeholders may submit information regarding generic descriptions or use cases for the technologies listed on the DSO/TSO Technopedia website by uploading this form in .doc or .docx format in the [dedicated application space](https://dso-tso-technopedia.eu/#application). Any use case on off-topic technologies will automatically be excluded from the review process for this year.

Applications must comply with the [application guidelines](https://dso-tso-technopedia.eu/#guidance) described on the DSO/TSO Technopedia website (link). The information submitted must also comply with the templates below, including the specified word count.

Information submitted via the generic technology template is considered optional. External contributors may decide to submit only information on technology use cases.

If submitting multiple use cases, please submit one application per use case.

If submitting images or figures with the application, please add them in the dedicated section on the last page. If relevant, figures should be properly referenced to avoid copyright infringement.

## Terms and Conditions

By submitting content via this application form, the submitter confirms having read and agreed to the [Terms and Conditions](https://dso-tso-technopedia.eu/downloads/technopedia-terms-and-conditions.pdf). The submitter gives consent to the moderators (the associations) to review the content and publish it on the DSO/TSO Technopedia platform.

## Contact Information

As noted in the guidelines, at least one of the two submitting contacts listed below must be a system operator. Please use the Comments section to indicate which submitter is the system operator. Please note that **Submitter 1** will be the main point of contact for the application.

**Submitter 1:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Company** | **Email** |
|  |  |  |
| Comments: |

**Submitter 2:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Company** | **Email** |
|  |  |  |
| Comments: |

## Generic Technology Template

The content in the generic technology template must not exceed a total of 1,000 words. Please note that word count is not applicable to references.

|  |  |
| --- | --- |
| **Overview (Optional)** |  |
| General description of the technology: What is it? How does it work? What are the existing types of this technology? |  |
| **Challenges (Optional)** |  |
| What challenges or problems does the technology solve or potentially create? | *General challenges the technology helps address.* |
| **Benefits (Optional)** |  |
| What benefits does the power system gain by adopting the technology? * Explain how the technology supports the power system (at both the distribution and transmission levels, when applicable).
* Cite and link any relevant policy target the technology can help achieve.
* Cite and link relevant strategic documents, such as ENTSO-E Research, Development and Innovation (RDI) Roadmap 2024–2034,[[1]](#footnote-2) DSO Entity Technical Vision 2025,[[2]](#footnote-3) or similar relevant documents.
 | *General benefits of adopting the technology – based on observed advantages rather than measured or calculated data, as these can vary depending on the specific use case.* |
| **Current Enablers (Optional)** |  |
| Existing market conditions, regulations, standardisation efforts, and technology aspects that support the adoption of the technology.  |  |
| **R&D Needs (Optional)** |  |
| Challenges to the development/adoption of the technology. Challenges are closely linked to the need for research and development, as they can help justify the assigned technology readiness level (TRL). * What areas need improvement to accelerate the R&D process and scale up the adoption of the technology?
* If possible, highlight R&D priorities.
 |  |
| **Technology Readiness Level (TRL) (Optional)** |  |
| TRL should be assigned following the definitions provided in the [DSO/TSO Technopedia guidelines](https://dso-tso-technopedia.eu/#guidance). | *TRL 5-9* |
| **References (Optional)** |  |
| List of references | *URLs to relevant materials* |
| **Confidentiality Declaration (Mandatory if the above information is provided)** |  |
| By selecting “Yes”, I state that I have read and understood the [Terms and Conditions](https://dso-tso-technopedia.eu/downloads/technopedia-terms-and-conditions.pdf). | *Yes or No* |

## DSO and/or TSO Use Case Template

The content in the use case template must not exceed a total of 700 words. Please note that word count is not applicable to references.

|  |  |
| --- | --- |
| **Use Case Relevance (Mandatory)** |  |
| Is this a DSO or TSO use case? | *DSO or TSO* |
| **Brief Description (Mandatory)** |  |
| Location and year of commissioning. Introduction and description of the technology application, its objective, and how to reach the objective.  |  |
| **Design (Mandatory)** |  |
| Technical configuration, country-specific factors influencing the application of the technology, and difficulties/challenges with implementation. |  |
| **Results (Mandatory)** |  |
| Gains and advantages, impacts on existing work processes, and other operational effects. Quantitative technical results should be provided when feasible. | *Please include measured, calculated, or estimated data related to the performance of the technology.* |
| **Technology Readiness Level (TRL) (Mandatory)** |  |
| TRL should be assigned following the definitions provided in the [DSO/TSO Technopedia guidelines](https://dso-tso-technopedia.eu/#guidance).  | *TRL 5-9* |
| **References (Mandatory)** |  |
| List of references | *URLs to relevant materials* |
| **Confidentiality Declaration (Mandatory)** |  |
| By selecting “Yes”, I state that I have read and understood the [Terms and Conditions](https://dso-tso-technopedia.eu/downloads/technopedia-terms-and-conditions.pdf). | *Yes or No* |

## Figures for Application

If submitting images or figures as part of your application, please add them on this page and indicate the template and field they correspond to (e.g. Use Case Template, Results).

1. ENTSO-E RDI Roadmap 2024–2034: [ENTSO-E RDI Roadmap 2024–2034](https://eepublicdownloads.entsoe.eu/clean-documents/Publications/RDC%20publications/entso-e_RDI_roadmap_2024-2034_240710.pdf) [↑](#footnote-ref-2)
2. DSO Entity Technical Vision 2025: [DSO Entity Technical Vision 2025](https://eudsoentity.eu/wp-content/uploads/2025/01/Technical-Vision-2024-Final-report-.pdf) [↑](#footnote-ref-3)