



European Union Agency for the Cooperation
of Energy Regulators

UIC 2026 – Data collection overview

Introduction to the assessment, UNIC tool and main
updates for UIC 2026

13 October 2025

Introduction to the Unit Investment Costs assessment

Scope - Unit Infrastructure Costs vs PCI and PMI Monitoring

	Unit Infrastructure Costs	≠	PCI and PMI Monitoring
Projects' status	Only commissioned projects ₁		(mostly) non-commissioned projects
List of projects	All relevant projects ₂		Projects in the latest PCI and PMI list
Data collection tool	UNIC		MONIP
Frequency data collection	Every 3 years		Yearly

1 - except for smart gas grid equipment and projects related to hydrogen or carbon dioxide; 2 - ACER collects data for all projects corresponding to Annex II of TEN-E Regulation and meeting a set of thresholds ((1)Transportation pipelines / transmission lines: length of more than 5 km and/or (2) Associated equipment (protection, monitoring, and control systems, integrating ICT components, etc.): historic costs of more than EUR 20 thousand).

List of categories for UIC data collection

Electricity infrastructure category

1. Overhead lines
2. Underground cables
3. Submarine cables
4. Offshore transmission
5. AC Substations (incl. transformers)
6. Offshore AC Substations (incl. transformers)
7. Offshore DC Substations (incl. converter transformers)
8. HVDC Converters
9. Electricity storage
10. Smart equipment & network efficiency assets
 - Advanced conductor
 - APFC
 - Capacitive Transfer System
 - Digital twin
 - Dynamic Line Rating (DLR)
 - SSSC
 - STATCOM
 - Storage as a Transmission Asset
 - Superconductor
 - Synchronous Condenser
 - Voltage regulator/booster
 - Topology optimisation software
 - Other

Smart gas grid infrastructure category

1. Pipelines
2. Compressor station
3. Clean gas plant
 - Biogas-biomethane
 - Biogas injection
 - hydrogen injection
 - Blending
 - Other
4. Purification plant
5. Advanced metering equipment

Hydrogen infrastructure category

1. Pipelines
2. Compressor stations
3. Storages
4. Processing facilities
 - Liquefaction
 - Regasification
 - Compression
 - Purification
 - Pumping
 - Other
5. Other equipment
 - Other equipment related to hydrogen infrastructure

Electrolyser facilities

1. Electrolyser facility
2. Other equipment

Carbon dioxide category

1. Carbon dioxide pipelines
2. Carbon dioxide Facilities
 - CO2 storage facility
 - CO2 capture facility
 - Other

Infrastructure for blending gas, biomethane and hydrogen

1. Pipelines
2. Compressor stations
3. International stations
4. Gas storages
5. LNG projects

**List of categories for
UIC indicators data
collection**
(following Annex II of TEN-E)

Introduction to the Unit Investment Costs assessment



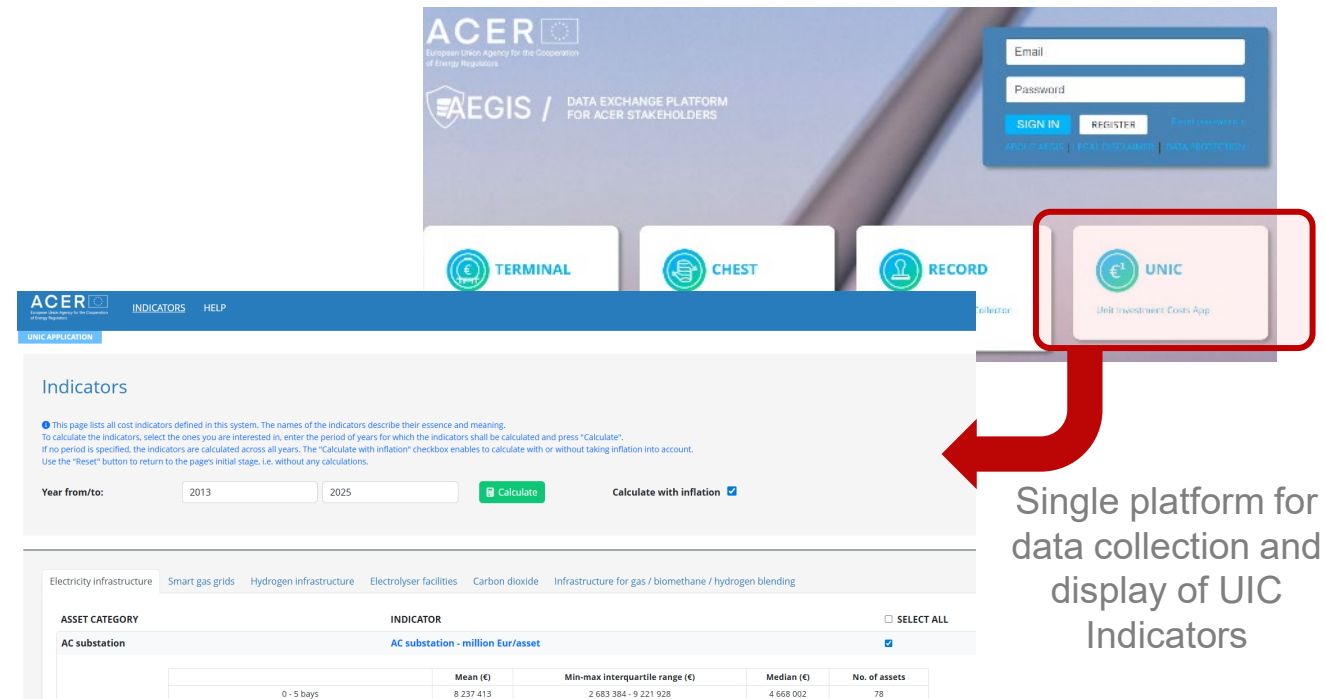
Under the [TEN-E Regulation](#) (Article 11(9)), ACER is required to establish and publish a [set of indicators](#) and corresponding reference values every three years for the comparison of unit investment costs (UICs) for comparable projects of the energy infrastructure categories listed in [Annex II](#).



ACER published the **first set of UIC indicators in April 2023**.

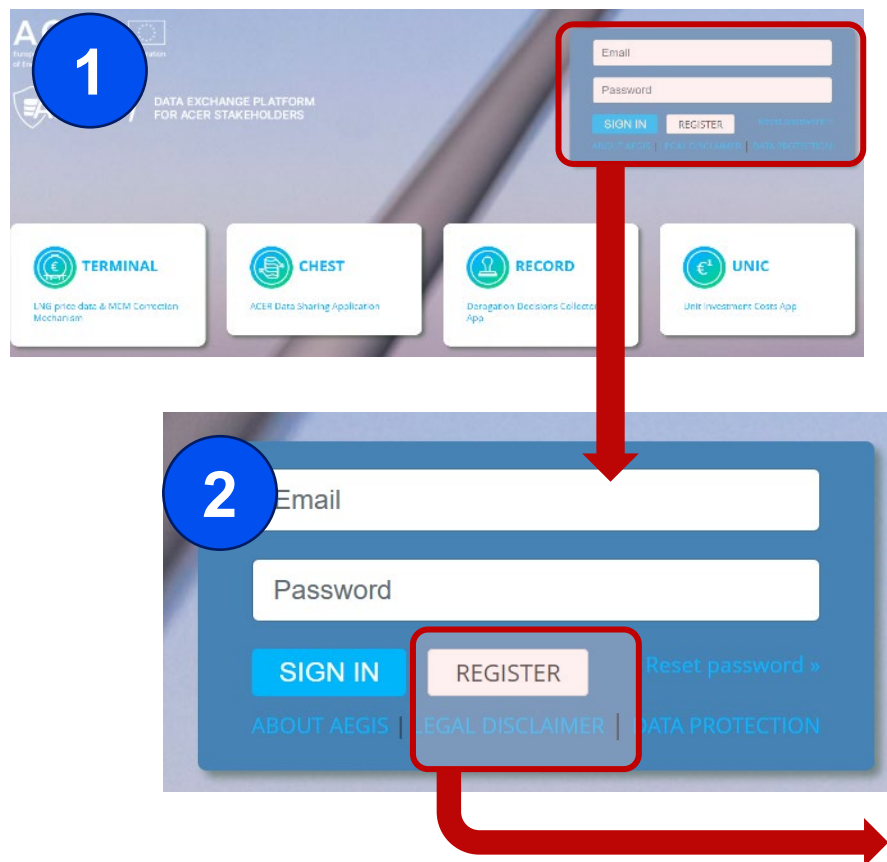
These indicators and their reference values can be used for various planning and evaluation processes, including:

- supporting TYNDPs;
- assessing and selecting projects of common and mutual interest (PCIs/PMIs);
- informing cross-border cost allocation (CBCA) decisions.



The screenshot shows the ACER AEGIS platform interface. At the top, there's a navigation bar with 'ACER' and 'AEGIS / DATA EXCHANGE PLATFORM FOR ACER STAKEHOLDERS'. Below this, there are icons for 'TERMINAL', 'CHEST', 'RECORD', and 'UNIC' (Unit Investment Costs App). The 'UNIC' icon is highlighted with a red box and a red arrow pointing to it from the text 'Single platform for data collection and display of UIC Indicators'. The main content area shows the 'Indicators' section with a 'Calculate' button and a table of indicators.

ASSET CATEGORY	INDICATOR	Mean (€)	Min-max interquartile range (€)	Median (€)	No. of assets
AC substation	AC substation - million Eur/asset	8 237 413	2 683 384 - 9 221 928	4 668 002	78



3 USER REGISTRATION

Salutation

First name *

Last name *

Organisation *

-- select organisation --

Business phone

Business e-mail *

Password *

Re-enter password *

Reason for registration *

Unit Investment Cost reporting or monitoring (

1. Access [AEGIS Platform](#)
2. Click on “Register”
3. Submit user registration form
 - Indicate organisation and reason for registration

Steps for data submission

1

Open the UNIC Application.

2

On the “PROJECTS” page, you have an option to view your draft projects or enter a new project.

3

Each project can consist of many assets, therefore you should enter all relevant assets under each project.

4

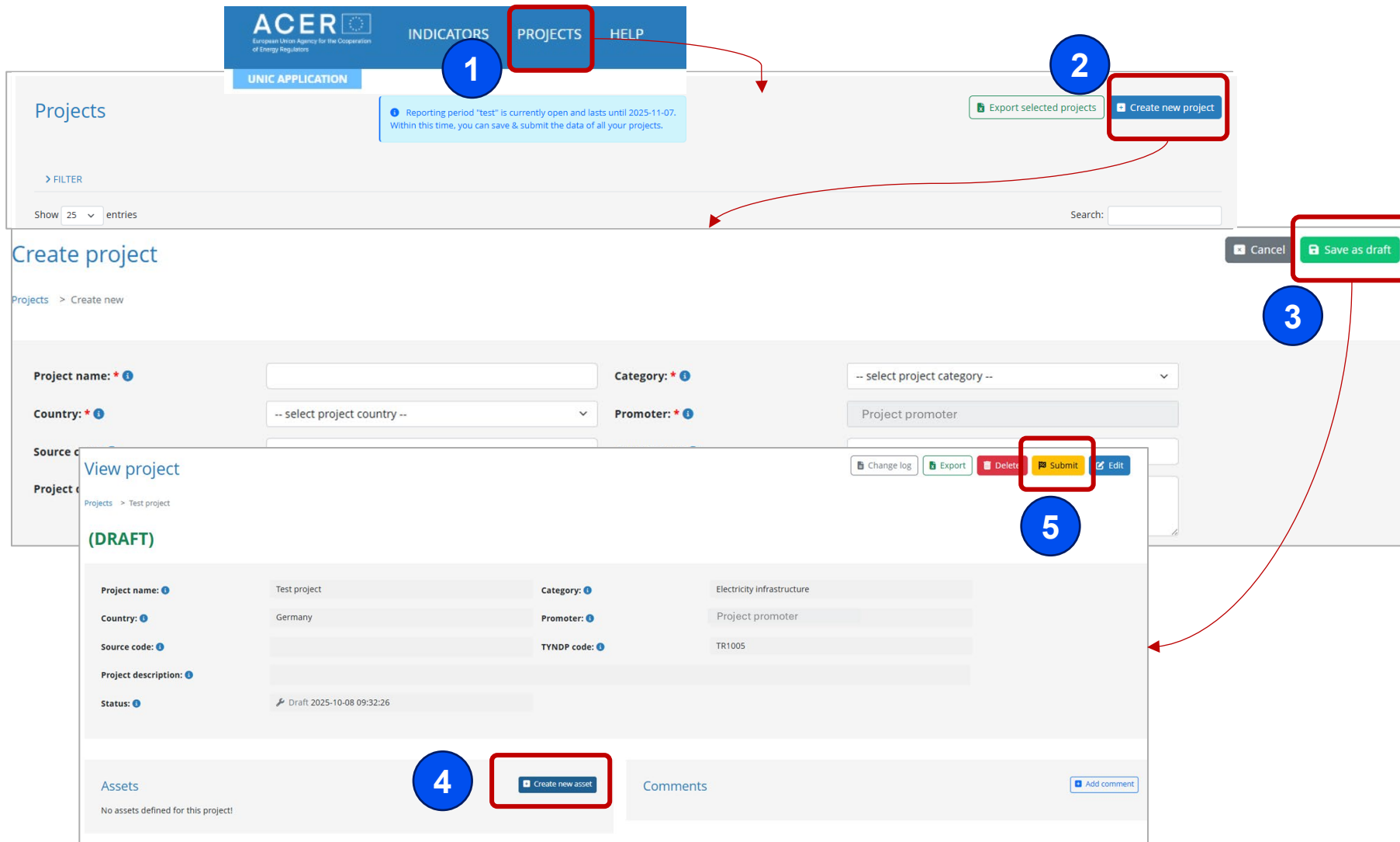
Once all data is correctly filled in and complete, please to not forget to submit your project (Only now respective NRA and ACER have an access to your data in order to be able to review the project)

5

If NRA sees certain inconsistency related to the project they can place a comment in the tool, and project promoter will receive an email with a comment and is able to amend project's data and resubmit the project.

How to submit the data

Enter new project data

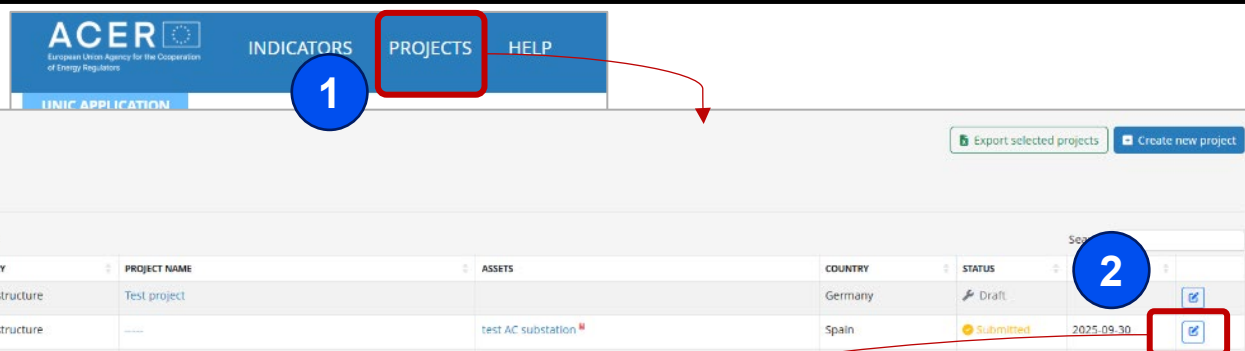


The screenshot illustrates the UNIC App interface for entering new project data. The interface is divided into several sections:

- Top Navigation Bar:** Contains the ACER logo, the text "European Union Agency for the Cooperation of Energy Regulators", and navigation tabs for "INDICATORS", "PROJECTS" (highlighted with a red box and a blue circle with the number 1), and "HELP".
- Projects Section:** Below the navigation bar, there's a "Projects" header with a "UNIC APPLICATION" sub-header. A blue box contains a message: "Reporting period 'test' is currently open and lasts until 2025-11-07. Within this time, you can save & submit the data of all your projects." To the right, there are two buttons: "Export selected projects" and "Create new project" (highlighted with a red box and a blue circle with the number 2).
- Create project Section:** Below the "Projects" section, there's a "Create project" header. A "Cancel" button and a "Save as draft" button (highlighted with a red box and a blue circle with the number 3) are visible.
- Form Fields:** The form includes fields for "Project name" (with a red asterisk and a blue circle with the number 1), "Country" (with a red asterisk and a blue circle with the number 1), "Source code", "Category" (with a red asterisk and a blue circle with the number 1), "Promoter" (with a red asterisk and a blue circle with the number 1), and "Project promoter". There are also dropdown menus for "Category" and "Country".
- Buttons:** Below the form fields, there are buttons for "Change log", "Export", "Delete", "Submit" (highlighted with a red box and a blue circle with the number 5), and "Edit".
- Project Details (DRAFT):** A section titled "(DRAFT)" shows the project details for "Test project". It includes fields for "Project name", "Country", "Source code", "Project description", "Status", "Category", "Promoter", "TYNDP code", and "TR1005".
- Assets Section:** Below the project details, there's an "Assets" section with the text "No assets defined for this project!" and a "Create new asset" button (highlighted with a red box and a blue circle with the number 4).
- Comments Section:** At the bottom, there's a "Comments" section with an "Add comment" button.

1. Access UNIC App and click on "projects"
2. Click on "Create new project"
3. Enter project details and save project as a draft
4. Create new asset and enter the asset-level data (see slide X for)
5. Submit project

Edit project data



Edit project

Projects > >

Project name: * 

Country: * 

Source code: 

Project description: 

Category: * 

Promoter: * 

TYNDP code: 

Assets

ASSET CATEGORY

ASSET NAME

Comments

Cancel Save as draft Save & submit

1. Access UNIC App and click on “projects”
2. Click on “Create new project”
3. Enter project details and save project as a draft for any intermediate version
4. (if needed) access asset to edit details (see slide X)
5. Submit project

Add an asset to a project



Projects

Export selected projects Create new project

> FILTER

Show 25 entries

PROJECT CATEGORY	PROJECT NAME	ASSETS	COUNTRY	STATUS	SUBMITTED
Electricity infrastructure	-----	test AC substation	Spain	Submitted	2025-09-30

IMPORTANT: An asset can only be added once the project has been created

1. Access UNIC App and click on “projects”
2. Click on the project name (NOT on edit button₁)
3. Click on “Create new asset”
4. Select an asset category and click on continue to access the asset form (after filling in the data and clicking save the asset will be added to the project)

View project

Change log Export Delete Edit

Projects > -----

Project name: ----- Category: Electricity infrastructure

Country: Spain Promoter: Project promoter

Source code: ----- TYNDP code: -----

Project description: NA

Status: Submitted 2025-09-30 14:14:48

Assets

Create new asset

Comments

ASSET CATEGORY ASSET NAME

AC substation test AC substation

Create new asset

Asset category: Overhead line

Continue

Changes with respect to 2023 edition

Changes with respect to 2023 exercise – Unlimited number of transformers

Asset characteristics

UIC 2023

Busbar voltage level 1 (kV): *	220 - 275 kV	Busbar voltage level 2 (kV): *	220 - 275 kV
Busbar voltage level 3 (kV): *	300 - 330 kV	Investment type: *	New
Number of bays at voltage level 1: *	3	Number of bays at voltage level 2: *	1
Number of transformers: *	2	Substation configuration: *	Single
Transformer 1 cost (in mln EUR): *	5.000	Transformer 1 rating (MVA): *	250
Transformer 1 voltage level (kV): *	400/220	Transformer 2 rating (MVA): *	250
Transformer 2 voltage level (kV): *	400/220	Transformer 3 rating (MVA): *	250
Transformer 3 voltage level (kV): *	220/275	Type of substation: *	Hybrid
Cost of substation bays (in mln EUR):		Labor cost percentage of overall cost (in %):	
Number of bays at voltage level 3:	1	Terrain type:	
Transformer 1 - PST type :		Transformer 1 cooling:	
Transformer 2 - PST type:		Transformer 2 cooling:	
Transformer 2 cost (in mln EUR):	5.000	Transformer 3 - PST type:	
Transformer 3 cooling:		Transformer 3 cost (in mln EUR):	5.000

- All data submitted in UIC 2023 is kept
- Users can add more than 3 transformers.
- Voltage level field (string) is split into 3 integer fields¹

Transformer:

UIC 2026

Transformer 1

Name: *	Transformer 1	Cost: *	min €
Delivery waiting period (months): *		PST type: *	
Power rating (MVA): *	250	Cooling:	
Voltage level - high (kV):	400	Voltage level - low (kV):	220
Voltage level - mid (kV):			

Transformer:

Transformer 2

Name: *	Transformer 2	Cost: *	min €
Delivery waiting period (months): *		PST type: *	
Power rating (MVA): *	250	Cooling:	
Voltage level - high (kV):	400	Voltage level - low (kV):	220
Voltage level - mid (kV):			

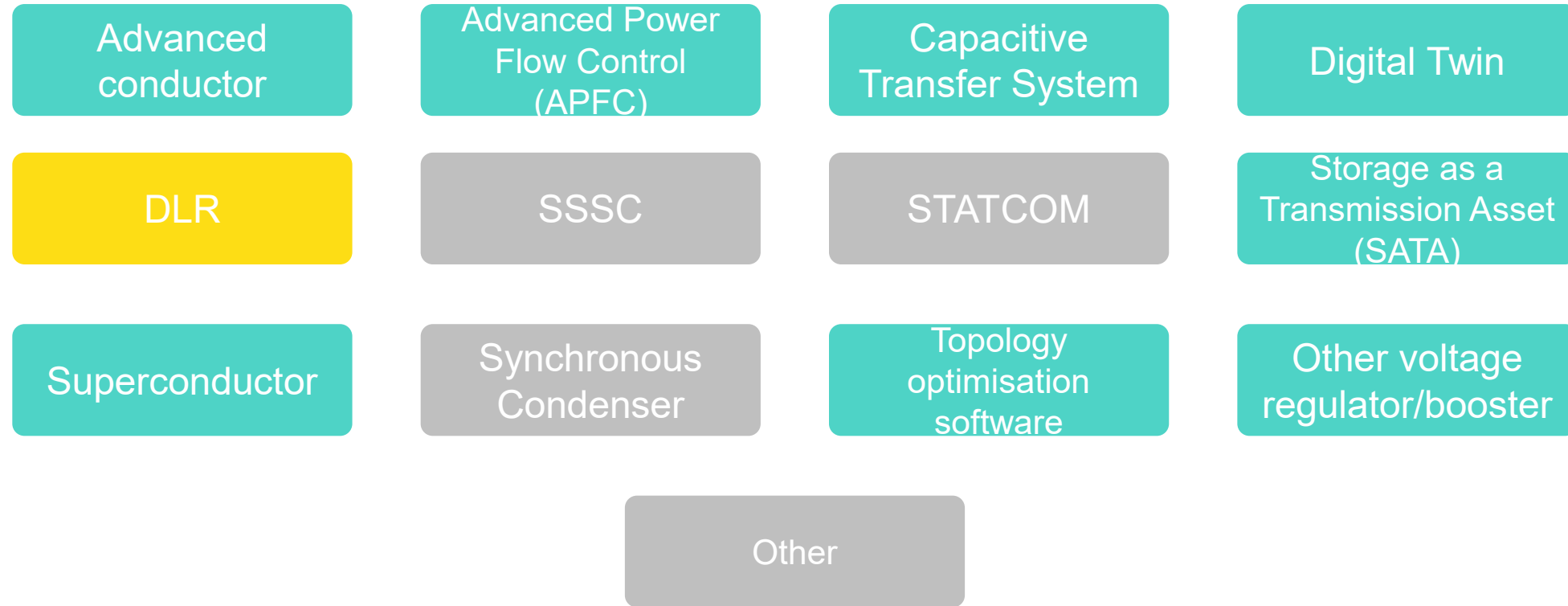
Transformer:

Transformer 3

Name: *	Transformer 3	Cost: *	min €
Delivery waiting period (months): *		PST type: *	
Power rating (MVA): *	250	Cooling:	
Voltage level - high (kV):	275	Voltage level - low (kV):	220
Voltage level - mid (kV):			

1: If 3 levels were indicated (e.g. 400/120/33) for the former exercise, “Voltage level – high (kV)” takes a value of 400, “Voltage level – mid (kV)” equals 120, and “Voltage level – low (kV)” equals 33; If 2 levels were indicated (e.g. 400/110), “Voltage level – high (kV)” takes a value of 400, “Voltage level – mid (kV)” equals 0, and “Voltage level – low (kV)” equals 110. Same logic is expected to be followed by users when filling in the data.

Changes with respect to 2023 exercise – Additional smart grid and network efficiency subcategories



 New subcategory  Included in 2023 but with additional fields in 2026  No change from 2023

Changes with respect to 2023 exercise – Additional smart grid and network efficiency subcategories

Asset characteristics

Type of smart or network efficiency equipment: * 	Synchronous condenser	Ampacity (MVA) - If applicable: * 	
Average capacity increase (MW) - If applicable: * 		Length covered by the asset (km) - If applicable: * 	
Number of circuits covered - If applicable: * 		Number of items installed (add "0" for DLR): * 	1
Voltage (kV) - If applicable: * 		Advanced conductor - Type: 	-- select --
DLR - Conductor temperature in degrees Celsius: 		DLR - Number of atmospheric sensors: 	
DLR - Number of conductor temperature sensors: 		DLR - Type: 	-- select --
SATA - MWh: 		SSSC - Type: 	-- select --
SSSC - rated reactive power (MVar): 		Superconductor - Type: 	-- select --
Voltage regulator / booster - Type: 	-- select --		

General fields (if not applicable fill in with “0”)

Asset-specific fields

Thank you. Any questions?

The contents of this document do not necessarily reflect the position or opinion of the Agency.



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ACER role and governance



- **Supporting the integration of energy markets in the EU** (by common rules at EU level). Primarily directed towards transmission system operators and power exchanges.
- **Contributing to efficient trans-European energy infrastructure**, ensuring alignment with EU priorities.
- Monitoring energy markets to ensure that they function well, **detering market manipulation and abusive behaviour**.
- Where necessary, **coordinating cross-national regulatory action**.
- Governance: **Regulatory oversight is shared** with national regulators. **Decision-making** within ACER is collaborative and joint (formal decisions requiring 2/3 majority of national regulators). **Decentralised enforcement** at national level.
- Headquartered in Ljubljana, Slovenia. **Engaged across the EU**.