



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

THE WARSAW UNIVERSITY OF TECHNOLOGY

Resolution No. 2/2024
of the Scientific Council of the Research Centre for POB Energy Conversion and Storage
of 22 July 2024

on the launch of the YOUNGENERGYDEMO competition for research projects as part of the implementation of the “Excellence Initiative – Research University” programme at the Warsaw University of Technology and the announcement of the first edition of this competition

Pursuant to §7 section 2 items 2 and 3, in connection with §4 section 2 item 6 of the Regulations for Research Centres for Priority Research Areas (POB) of the Warsaw University of Technology, annexed to Decision No. 38/2020 of the Rector of the Warsaw University of Technology of 26 February 2020 on the establishment of Research Centres for Priority Research Areas (POB) as part of the implementation of the “Excellence Initiative – Research University” programme at the Warsaw University of Technology, it is resolved as follows:

§ 1

1. The YOUNGENERGYDEMO competition for research projects, hereinafter referred to as the “YOUNGENERGYDEMO competition”, is launched as part of the implementation of the “Excellence Initiative – Research University” programme at the Warsaw University of Technology.
2. The YOUNGENERGYDEMO competition shall be realised under the principles set out in the Regulations annexed to the Resolution.

§ 2

1. The first edition of the YOUNGENERGYDEMO competition is announced on 22 July 2024.
2. The closing date for applications shall be 31 August 2024.
3. The maximum implementation time for a research project shall be 15 months, from 1 October 2024 to 31 December 2025.

§ 3

The Resolution enters into force upon adoption.

Secretary of the Scientific Council
of the Research Centre for POB

Chairperson of the Scientific Council
of the Research Centre for POB

.....

.....



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Annex to Resolution No. 2/2024 of the
Scientific Council of the Research Centre for
POB Energy Conversion and Storage
of 22 July 2024

REGULATIONS FOR THE FIRST EDITION OF THE YOUNGENERGYDEMO COMPETITION

of the Research Centre for POB Energy Conversion and Storage

§ 1

1. The primary goal of YOUNGENERGYDEMO research projects is to develop a demonstrator of innovative technology for one of the twelve cells in the energy generation, conversion, and storage chain, i.e.:
 - 1) Gas turbines fuelled by hydrogen and synthetic fuels
 - 2) Power to Gas (P2G) for seasonal energy storage
 - 3) Photovoltaic installation blended into historic architecture using translucent thin-film photovoltaic panels
 - 4) A system for rapid diagnostics and energy efficiency evaluation of full-scale photovoltaic modules
 - 5) Electric drive in road and offroad transport, including for sports and leisure applications
 - 6) Electric drive in air and water transport, including for sports and leisure applications
 - 7) Hydrogen engines in motorsports
 - 8) Island power systems for autonomous, zero-emission, and zero-energy buildings
 - 9) Energy-efficient AC and DC hybrid systems for Industry 5.0 applications
 - 10) Prototyping of modern ion cells
 - 11) Recovery of raw materials from electrochemical cells or electrical machines as part of a circular economy
 - 12) Energy conversion, transformation, storage, and management in space technologies
2. The budget of the YOUNGENERGYDEMO competition is PLN 3 million, with a maximum budget per research project amounting to PLN 250 thousand.
3. The applicant – head of the project – may be a staff member at the Warsaw University of Technology, conducting a scientific activity, who is included in the N number and has had a doctoral degree for no longer than seven years.
4. The implementer of the project may be a student of the first- or second-cycle degree programme, a doctoral student or a young scientist, or a person who does not meet the criterion of a young scientist.
5. First- or second-cycle degree students can receive course credit by working as part of a research team on a project, in accordance with the WUT Academic Regulations.
6. The project must be implemented by at least two or a maximum of three research teams, from at least two faculties of the Warsaw University of Technology. A research team shall mean a group of people employed/conducting research as part of the same division/chair/ institute of the given faculty of the Warsaw University of Technology.
7. The head of the project, together with the implementers of the research project, shall declare and achieve a TRL level of technology readiness of the demonstrator of at least level 4 - to



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

verify the components of the technology or its basic subsystems under laboratory conditions. This process means that the core components of the technology have been integrated. This includes “ad hoc” integrated models in the laboratory. An overall representation of the target system under laboratory conditions is required.

8. The head of the project with research project implementers shall declare to fulfil at least one of the obligatory indices listed below and achieve all of the declared obligatory indices, i.e.:
 - 1) Participation in exhibitions/fairs/contests of at least Polish nation-wide level
 - 2) Filing a patent application for the developed innovation
9. The head of the project with research project implementers may declare additional optional indices to be achieved, which they are obliged to achieve, i.e.:
 - 1) Publication of papers in scientific journals from the upper decile, according to CiteScore of the Scopus database, in accordance with the list published in the announcement of the competition, authored/co-authored by a doctoral student being the project implementer (at least one of the authors/co-authors must be assigned to the N number)
 - 2) Using the demonstrator in the teaching process

§ 2

1. The applicant/head of the project must be employed at the Warsaw University of Technology as the primary place of employment, excluding members of the Scientific Council CB POB Energy Conversion and Storage. The head of the project shall submit a declaration of assignment to the N number to the Warsaw University of Technology as a prerequisite.
2. The applicant/head of the project may not be the head of the project that obtained funding in any other competitions for research grants as part of the IDUB programme whose implementation date expired before 31 March 2024, and who failed to achieve the assumed project outcomes.
3. The applicant may submit only one application as part of the given edition of the YOUNGENERGYDEMO competition.
4. The application for a research project prepared in accordance with the template in Annex No. 1 to the Regulations shall be submitted electronically using the online form available on the website www.badawcza.pw.edu.pl.

§ 3

1. Applications referred to in § 2 section 4 shall be evaluated by the Scientific Council of CB POB Energy Conversion and Storage or reviewers nominated by the Chairperson of the Scientific Council of CB POB Energy Conversion and Storage.
2. The Chairperson of the Scientific Council of the CB POB Energy Conversion and Storage shall nominate at least two reviewers to evaluate the application from the Scientific Council or from outside the Council.
3. Reviewers of applications shall be selected to avoid conflicts of interest and to ensure the objectivity and impartiality of the evaluation.
4. Reviewers may not be in such a legal or factual relationship with the head of the project and implementers that it may raise reasonable doubts about the impartiality of these persons.
5. The names of the reviewers must not be disclosed to the head of the project and the implementers of the research project.
6. The criteria for the application evaluation shall include:



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

- 1) Innovation level of the demonstrated technology in relation to products (products or services) or business processes available on the Polish market (up to 35 points).
- 2) The quality of the research plan, the manner of technology demonstration, and the declared TRL level of the demonstrator in the range of 4-6 (up to and including 25 points).
- 3) The declared project indices referred to in § 1 section 8 and § 1 section 9, and the possibility of their achievement, including the manner of using the demonstrator in the teaching process (up to and including 20 points).
- 4) The scientific output of the head of the project and chief project implementers (up to and including 15 points).
- 5) The justifiability of planned costs of the project realisation (up to and including 5 points).
7. The evaluation of applications shall consist of two stages:
 - 1) The first stage consists of evaluating each application by at least two reviewers. A maximum of three most highly rated applications are forwarded to the second stage (the average score of two reviews expressed by the natural number of points is considered), for a given cell in the energy generation, conversion, and storage chain as referred to in § 1 section 1, which have received at least 60% of the possible score.
 - 2) The second stage involves agreeing by the Scientific Council of CB POB Energy Conversion and Storage on the final evaluation (according to the criteria and scores set forth in section 6 and preparation of a joint ranking list for all cells listed in § 1 section 1). At this stage, the Scientific Council of CB POB Energy Conversion and Storage may decide on the form of a seminar presentation of applications before their final evaluation.
8. Applications with the highest scores, a maximum of two per given cell, whose total budget does not exceed the pool of funds allocated to the competition in accordance with § 1 section 2, shall be eligible for funding, subject to section 9.
9. Priority funding will be given to projects whose applicants have not headed a project that has been funded under any of the POB Research Centres or IDUB competitions.
10. The lists of applications eligible for funding (including the applicant's name and surname, the faculty from which the applicant comes, the title of the project, and the amount of funding) will be published on the website www.badawcza.pw.edu.pl by 20 September 2024, including a joint ranking list of applications referred to in section 7 item 2.
11. Reviews of applications shall be made available upon written request of applicants.

§ 4

1. The principles of funding CB POB projects are set forth in Annex No. 2 to the Regulations.
2. The condition for commencing the implementation of the project is to conclude the Agreement according to the template in Annex No. 3 to the Regulations, and the unit indicated in the application for a project shall become the Implementing Unit.
3. Agreements with units shall be prepared by the “IDUB Project Office”.

§ 5

1. The final report based on the template in Annex No. 4 to the Regulations must be submitted to the head of CB POB Energy Conversion and Storage through the IDUB Project Office within 2 months of the completion of the project.



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

2. The project execution shall be evaluated by a committee appointed by the Scientific Council of CB POB Energy Conversion and Storage. At least two of the members of the Committee shall be members of the Scientific Council of POB Energy Conversion and Storage. The result of the evaluation shall be included in the record based on the template specified in Annex No. 5 to the Regulations.
3. When the need arises and in consultation with the Head of IDUB, projects may be subject to ad hoc control at the request of the head of CB POB, consisting of submitting additional explanations/reports regarding the compliance of the material or financial side with the application approved for funding and the conditions described in the agreement for the implementation of the project.
4. Employees, doctoral students, and students at WUT shall use the affiliation with *Politechnika Warszawska* or the *Warsaw University of Technology*. All publications, presentations, and conference reports prepared as part of the project shall be signed as follows:
“*Research was funded by POB Energy of Warsaw University of Technology within the Excellence Initiative: Research University (IDUB) programme*” or „*Badania były finansowane przez POB Konwersja i Magazynowanie Energii ze środków Politechniki Warszawskiej w ramach Programu Inicjatywa Doskonałości – Uczelnia Badawcza (IDUB)*”.
5. Failure to achieve the assumed outcomes of the project shall exclude the head of the project from applying for projects within all subsequent competitions of all CB POB as part of the IDUB project. Application for project funding shall be possible only after achieving the outcomes declared in the previously implemented project.
6. All matters unregulated herein shall be settled by the Vice-Rector for Development.

§ 6

Under Article 13 of the Regulation (EU) 2016/679 of the European Parliament and of the European Council of 27 April 2016 on the protection of natural persons concerning the processing of personal data and the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation, Journal of Laws EU L 119/1 of 4 May 2016), hereinafter referred to as “GDPR”, the Warsaw University of Technology announces that:

- 1) The administrator of your personal data is the Warsaw University of Technology with its registered seat at pl. Politechniki 1, 00-661 Warsaw.
- 2) The administrator has appointed the Inspector for Data Protection (IOD - Inspektor Ochrony Danych), who ensures that the data are processed lawfully and can be contacted via email: iod@pw.edu.pl: iod@pw.edu.pl.
- 3) The administrator shall process the personal data included in the application for the project and intermediate and final reports on the project implementation.
- 4) The administrator shall process your personal data to realise the 04/IDUB/2019/94 agreement concluded on 30 December 2019 – under Article 6 section 1 point b) of GDPR.
- 5) The Warsaw University of Technology shall not transfer your data outside the European Economic Area.
- 6) You shall have the right to access your personal data, the right to request the correction or deletion of the data, the right to request a restriction to process your personal data, and object to processing your data. Since the data are not processed based on your consent, the right to data portability does not apply.
- 7) Your personal data shall not be disclosed to any other entities (administrators) except for the entities entitled, in compliance with generally applicable laws.



Excellence Initiative – Research University

Priority Research Area

Energy Conversion and Storage

- 8) Entities (processing entities) commissioned by the Warsaw University of Technology to perform actions that may relate to personal data processing may have access to your personal data.
- 9) The Warsaw University of Technology shall not subject you to automated decision-making, including your profiling.
- 10) You shall provide your personal data voluntarily. Nevertheless, failure to do so will prevent you from obtaining funding for a research grant as part of CB POB competitions.
- 11) Your personal data shall be processed for the period compliant with the “A” archive category of the documentation.
- 12) If you think your data protection rights as specified in GDPR have been violated, you have the right to lodge a complaint to a supervising body – the Polish Data Protection Commissioner.



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Annex No.1 to Regulations

**Application for a research project as part of the first edition of the
YOUNGENERGYDEMO competition
of the Research Centre for POB Energy Conversion and Storage**

1. KEY DATA

- 1) Data of the applicant (head of the project):
 - a) First name, surname, academic title/degree, position, place of employment, represented scientific discipline in which the applicant is included in the N number
 - b) Has the applicant been the head of a project that has received funding under any of the POB Research Centres or IDUB competitions? YES / NO - select as appropriate
- 2) A list of research teams:
 - a) First research team:
 - Faculty of the Warsaw University of Technology
 - First name and surname of the head of the team, academic title/degree, position, place of employment, represented scientific discipline in which the applicant is included in the N number
 - A list of names of key implementers (first name, surname, academic title/degree, position, place of employment, represented scientific discipline)
 - Information about the number of other implementers including their status (e.g. first-cycle degree student – 1 person, doctoral student - 2 persons)
 - b) Second research team:
 - Faculty of the Warsaw University of Technology
 - First name and surname of the head of the team, academic title/degree, position, place of employment, represented scientific discipline in which the applicant is included in the N number
 - A list of names of key implementers (first name, surname, academic title/degree, position, place of employment, represented scientific discipline)
 - Information about the number of other implementers including their status (e.g. first-cycle degree student – 1 person, doctoral student - 2 persons)
 - c) Third research team – if applicable:
 - Faculty of the Warsaw University of Technology
 - First name and surname of the head of the team, academic title/degree, position, place of employment, represented scientific discipline in which the applicant is included in the N number
 - A list of names of key implementers (first name, surname, academic title/degree, position, place of employment, represented scientific discipline)
 - Information about the number of other implementers including their status (e.g. first-cycle degree student – 1 person, doctoral student - 2 persons)
- 3) Project title: in Polish and in English
- 4) Number and name of the cell in the generation, conversion, and storage chain (only one number and name can be indicated)
- 5) Project summary in Polish (up to 400 words)
- 6) Project summary in English (up to 400 words)

2. PROJECT DESCRIPTION



Excellence Initiative – Research University
 Priority Research Area
 Energy Conversion and Storage

1) Project objective

(Please provide a brief description of the planned objective to be achieved as a result of the project implementation; **up to ½ of a page, font 11 pt.**)

2) Description of product/process innovation planned to be developed as part of the project

a) Description of innovation

(Please demonstrate that the result of the project, i.e. the demonstrator will have at least equivalent parameters compared to the representative/leading products (products or services) or processes available on the Polish market for the given technology in terms of its new features, and functionality. Indicate the product/process to which you are comparing yourself (In the case of a product, please provide its name and manufacturer. In the case of a process, please provide its name and indicate where it is used); **up to 3 pages, font 11 pt.**)

b) Indices regarding the features/functionality of the innovation

(Please provide at least one, maximum of three indicators by which you have defined new functionalities and features of the innovation of the studied innovation in comparison to the solutions available on the market. Each key functionality/feature given in the innovation description must be reflected in the form of a numerical index with a value no less than that of the solution available on the market to which the applicant refers.)

- Name of index:

- Measurement unit:

- Base value:

(The value of a given feature/functionality in a commercially available product/process to which the innovativeness level of the demonstrator relates)

- Target value:

(The value planned to achieve as part of the project implementation)

- Description of the methodology of calculating the indicator and how the achievement of the planned indicator values will be verified:

(The index must have a measurable and verifiable value at the end of the project up to ½ of a page, font 11 pt.)

3) Research plan

a) Timetable of project implementation and its outcome

(Please describe the starting point for developing the demonstrator - what technology and solutions you have.

Describe the research plan - the tasks - that you intend to undertake to develop the demonstrator, broken down into research teams.

Provide the technical parameters of the demonstrator.

Describe how you will verify the achievement of the indices regarding the features/functionality of the innovation. **Up to 3 pages, font 11 pt.**)

b) Declared TRL level of the demonstrator: 4/5/6

(Select as appropriate

TRL 4: Technology components or basic subsystems have been verified under laboratory conditions. This process means that the basic components of the technology have been integrated. This includes “ad hoc” integrated models in the laboratory. A generic representation of the target system under laboratory conditions has been achieved.

TRL 5: Components or basic subsystems of the technology in a near real-world environment have been verified. The basic components of the technology are integrated with real-world enablers. The technology can be tested in simulated operational conditions.

TRL 6: A demonstration of a prototype or model of a system or technology subsystem under near-real conditions has been performed. Testing at this level includes testing of a prototype under laboratory conditions replicating real-world conditions with high fidelity or under simulated operational conditions.)

c) Manner of using the demonstrator in the teaching process – if applicable

(Please describe if and in what way you plan to use the demonstrator in the teaching process **up to ½ of a page, font 11 pt.**)

4) Declaration of measurable outcomes of the implementation of the research project

Obligatory indices:

No.	Type of outcome	Declared value (0/1)	Comments (e.g. type of exhibition/fair/contest and their date, rank: Polish/international, participation objective)
1	Participation in an exhibition/fair/contest with at least a Polish rank		
2	Filing a patent application for the developed innovation		



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Optional indices:

No.	Type of outcome	Declared value	Comments (e.g. a succinct description of the nature of the outcome, information about the type and number of publications, planned journals)
1	Publications of papers in scientific journals from the upper decile, according to the CiteScore of the Scopus database, according to the list published in the announcement of the competition, of which the author/co-author is a doctoral student who is an implementer in the project (at least one of the authors/co-authors must be assigned to number N) - at least acceptance of the paper for publication is required.		
2	Use of the demonstrator in the teaching process.		

5) The scientific output of the head of the project:

(Data of the head for 2019-2024 **(up to 1 page)**, including:

- A list of best publications, up to 5
- A list of current projects, indicating the functions performed in them
- A list of completed projects in which the applicant was the head
- Participation in an exhibition/fair/contest with at least Polish rank)

6) The scientific output of members of the first research team:

a) The scientific output of the head of the team:

(Data of the head for 2019-2024 **(up to ½ of a page)**, including:

- A list of best publications, up to 5
- Participation in an exhibition/fair/contest with at least Polish rank)

b) Scientific characteristics of key implementers
(up to ½ of a page)

7) The scientific output of members of the second research team:

a) The scientific output of the head of the team:

(Data of the head for 2019-2024 **(up to ½ of a page)**, including:

- A list of best publications, up to 5
- Participation in an exhibition/fair/contest with at least Polish rank)

b) Scientific characteristics of key implementers
(up to ½ of a page)

8) The scientific output of members of the third research team:

a) The scientific output of the head of the team:

(Data of the head for 2019-2024 **(up to ½ of a page)**, including:

- A list of best publications, up to 5
- Participation in an exhibition/fair/contest with at least Polish rank)

b) Scientific characteristics of key implementers
(up to ½ of a page)

9) Information on possible ethical issues arising in the planned research.

(up to ½ of a page)

I declare that the research planned in the application is not and has not been financed from other sources.



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

By submitting this application, I acknowledge that, if funding is granted, the name of the head of the project, as well as the title of the project, will be made public in the competition information and result.

3. DECLARATIONS OF APPLICANT

- 1) I declare that I am employed at the Warsaw University of Technology as my primary place of employment.
- 2) I declare that I have submitted a declaration of assignment to the N number to the Warsaw University of Technology.
- 3) I declare that I am not the head of the project that was awarded research grants in any of the competitions of the IDUB programme and whose deadline for implementation expired before 31 March 2024, and that did not achieve the assumed outcomes of the project.
- 4) I declare that I submitted only one application in the first edition of the YOUNGENERGYDEMO competition of the POB Research Centre for Energy Conversion and Storage.



Excellence Initiative – Research University
 Priority Research Area
 Energy Conversion and Storage

Table 1a: Project cost estimate for three WUT research teams

No.	Planned costs		2024				2025				Total			
			Unit 1	Unit 2	Unit 3	Total	Unit 1	Unit 2	Unit 3	Total	Unit 1	Unit 2	Unit 3	Total
I.	Total direct costs		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	Equipment and instrumentation		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	incl udin g	with a value from PLN 3,500 to 10,000				0.00				0.00	0.00	0.00	0.00	
		with a value above PLN 10,000				0.00				0.00	0.00	0.00	0.00	
2	Remuneration with related items					0.00				0.00			0.00	
	incl udin g	first- and second- cycle degree students				0.00				0.00			0.00	
		doctoral students and PhD-holders up to 7 years after the award of the degree				0.00				0.00			0.00	
		other				0.00				0.00			0.00	
3	Other direct costs					0.00			0.00	0.00	0.00	0.00		
II.	Indirect costs (15%)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
III.	Total costs		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Substantive justification for direct costs item I – please provide justification for the cost of remuneration, purchase of equipment and materials for each individual unit

--



Principles of funding CB POB projects

1. The funds allocated to the project may be used for:
 - 1) Research equipment
 - 2) Remuneration – a maximum of 75% of direct costs included in the amount of funding:
 - a) Remuneration of project implementers who are employees of the Warsaw University of Technology may be paid under a job contract or based on allowances for project work calculated on an hourly basis or in a lump sum, in accordance with the Remuneration Regulations in force at the Warsaw University of Technology.
 - b) Remuneration of implementers who are not employees of the Warsaw University of Technology, paid under civil law contracts.
 - 3) Other costs:
 - a) Materials and reagents, small laboratory equipment, external services, etc.
 - b) Costs of proofreading and publication of research results in a renowned publishing house or journal
 - c) Trips to conferences (only related to the presentation of results) and several-day (up to 7 days) study visits in Polish and foreign centres
 - d) Participation in an exhibition/fair/contest with at least a Polish rank
 - e) Other costs justified by the scope of the project
2. The total remuneration of first- and second-cycle degree students must comprise a minimum of 25% of the total budget allocated to remuneration.
3. The total amount of remuneration of project implementers who do not meet the criterion of first- and second-cycle degree students and young scientists (doctoral students or PhD-holders up to 7 years after the award) may not exceed 10% of the total budget allocated to remuneration.
4. The minimum percentage contribution of a single team to the project budget shall be 25% for a project conducted by two research teams and 20% for a project conducted by three research teams.
5. The monthly limit of remuneration received in total from all projects conducted as part of all ongoing editions of the CB POB competitions cannot exceed PLN 3,500 gross per implementer, including as part of YOUNGENERGYDEMO:
 - a) no more than PLN 1,500 first- and second-cycle degree students,
 - b) no more than PLN 2,500 for other implementers,and PLN 4,000 for the head of the project, including as part of YOUNGENERGYDEMO no more than PLN 3,000. If the remuneration in the project is variable, the monthly remuneration shall be the average over the entire period of involvement in the research project (the months in which the limit is reached are not considered when calculating the average).
6. The indirect costs shall amount to 15% of direct costs, divided into 5% of overhead costs and 10% of faculty costs, in accordance with Regulation No. 12/2019 of the Rector of the Warsaw University of Technology on the principles, methodology, and indices used in settling general and faculty costs at the Warsaw University of Technology, excluding equipment with a unit value of more than PLN 10,000.
7. Amendments to the project cost estimate:
 - 1) If amendments in the cost categories of the project cost estimate become necessary, the amount of funding awarded may not be increased.



Excellence Initiative – Research University

Priority Research Area

Energy Conversion and Storage

- 2) Any transfer of funds between categories must not violate the value limits of particular categories introduced in the competition regulations (if applicable).
 - 3) Transfers of funds between cost categories planned in the application up to a total of 15% of the “Total direct costs” as compared to the original value indicated in the cost estimate shall not require the approval of the head of CB POB.
 - 4) Transfers of funds between annual periods shall not require the approval of the head of CB POB.
 - 5) Changes that do not require the approval of the head of CB POB must be reported to the IDUB Project Office in writing or electronically.
 - 6) Transfers of funds between cost categories planned in the application above a total of 15% of the “Total direct costs” as compared to the original value indicated in the cost estimate shall require the approval of the head of CB POB and the conclusion of an annex to the agreement in the scope of the project cost estimate constituting Annex No. 2 to the agreement.
8. For each research team:
- 1) Accounting records of project costs for internal subcontracting shall be kept on separate orders.
 - 2) The basis for the creation of an assignment in SAP shall be an internal agreement between the applicant’s parent unit, which has received funding for the project, and the unit to which the implementation of part of the tasks is delegated.
 - 3) A copy of the internal agreement shall be forwarded immediately to the IDUB Project Office.



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Annex No. 3 to Regulations

AGREEMENT No. *(number given by the IDUB Project Office)*
**on the execution of research projects selected in the first edition of the
YOUNGENERGYDEMO competition announced by the Scientific Council of the Research
Centre for POB
Energy Conversion and Storage
financed as part of the “Excellence Initiative– Research University” Programme
implemented at the Warsaw University of Technology**

concluded on between:

Professor Małgorzata Lewandowska - Head of the Management Team for the “Excellence Initiative– Research University” project at the Warsaw University of Technology,
hereinafter referred to as the “Head of IDUB”

and

«Name of the unit »:

«Head of the unit » - «Function of the Head of the unit»,
hereinafter referred to as “Implementing Unit”.

1. The Head of IDUB shall transfer funds to the Implementing Unit, amounting to PLN «Total amount» (in words PLN «Amount in words»), for the implementation of research projects selected in the first edition of the YOUNGENERGYDEMO competition announced by the Scientific Council of the Research Centre for POB Energy Conversion and Storage in accordance with the list attached as Annex No. 1 to the Agreement.
2. The Implementing Unit shall perform work described in competition applications, which are an integral part of this Agreement, in accordance with:
 - 1) Generally applicable laws
 - 2) Provisions of this agreement
 - 3) Principles arising from the competition documentation including terms and conditions of the YOUNGENERGYDEMO competition
 - 4) The information included in the application for funding as part of the first edition of the YOUNGENERGYDEMO competition for research projects
 - 5) Internal regulations applicable at the Warsaw University of Technology
3. The date of commencement of the implementation of the project(s) is set by the parties on....., and the maximum implementation time of the project(s) may not exceed 15 months, i.e. until The period of implementation and completion of individual projects under this Agreement is specified in Annex No. 1 to the Agreement.
4. The calculation of the costs of the project(s) under this Agreement constitutes Annex No. 2 to the Agreement.
5. The funds allocated for the project implementation shall be at the disposal of the head of the Implementing Unit in consultation with the head of the project.
6. The Implementing Unit shall make available any items of property of the unit indispensable for the implementation of the project and shall provide administrative and accounting services.
7. The Implementing Unit shall keep separate accounting records for the project, in compliance with the principles specified by the WUT Bursar in Letter No. 290/KK/2020 of 20 May 2020 and KK-453/2020 of 25 August 2020.



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

8. Funds transferred to the Implementing Unit and unused until the «Completion _date» shall return to the Head of IDUB.
9. The approval of the outcomes of the project implementation shall be granted by a committee appointed by the Scientific Council of the Research Centre for POB Energy in a mode specified in the Regulations for the competition.
10. Any amendments to the provisions of this Agreement shall require concluding an annex in writing.
11. Annexes to this Agreement shall constitute its integral part.
12. This Agreement has been executed in two counterparts, one for each of the Parties.

Annexes:

- 1) A list of research projects eligible for funding
- 2) Project cost estimates: ...
- 3) Applications for a research project YOUNGENERGYDEMO:

Head of IDUB

Implementing Unit

.....
(stamp of IDUB Project Office)

.....
(stamp of unit)

.....
(stamp and signature of Head of IDUB)

.....
(stamp and signature of head of unit)

.....
(stamp and signature of Bursar's representative)

.....
(stamp and signature of Bursar's representative)



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Annex No. 1 to Agreement

A list of projects eligible for funding (under the agreement)

No.	Applicant (title/degree first name and surname)	Faculty/Institute	Project title	Budget	Date of project commencement	Date of project completion
1.						
2.						

.....
stamp and signature of Head of IDUB



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Head of IDUB

Implementing Unit

.....
(stamp and signature of Head of IDUB)

.....
(stamp and signature of head of unit)

.....
*(stamp and signature of Bursar's
representative)*

.....
*(stamp and signature of Bursar's
representative)*

Declaration of the Head of the project

I hereby oblige myself to implement the project in compliance with the description and timetable presented in the submitted application for a research project, constituting an integral part of this Agreement, the aforementioned estimated project costs, and other provisions of this Agreement.

.....
(signature of head of project)



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Annex No. 4 to Regulations

TEMPLATE FOR FINAL REPORT
on the implementation of the research project submitted to the first edition of the
YOUNGENERGYDEMO competition organised by the Research Centre
for POB Energy Conversion and Storage
of the Warsaw University of Technology

title:

headed by:

A synthetic description of conducted research work including:

- 1) Research objective (up to 1 page, 11 pt font)
 - 2) Description of implemented work (*up to 2 pages, min. 11 pt font*)
 - 3) Description of the most important achievements (*up to 1 page, min. 11 pt font*)
2. Table of measurable project outcomes including annexes confirming their achievement. (in accordance with tables from item 4 of Application for a research project).

Obligatory indices:

No.	Type of outcome	Declared value (0/1)	Comments (e.g. type of exhibition/fair/contest and their date, rank: Polish/international, participation objective)
1	Participation in an exhibition/fair/contest with at least a Polish rank		
2	Filing a patent application for the developed innovation		

Optional indices:

No.	Type of outcome	Declared value	Comments (e.g. a succinct description of the nature of the outcome, information about the type and number of publications, and planned journals)
1	Publications of papers in scientific journals from the upper decile, according to the CiteScore of the Scopus database, according to the list published in the announcement of the competition, of which the author/co-author is a doctoral student who is an implementer in the project (at least one of the authors/co-authors must be assigned to number N) - at least acceptance of the paper for publication is required.		
2	Use of the demonstrator in the teaching process.		



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

3. Statement of planned and incurred costs

No.	Planned costs		2024	2025	TOTAL	
			Incurred	Incurred	Planned	Incurred
I.	Total direct costs					
1	Equipment and instrumentation					
	including	with a value from PLN 3,500 to 10,000				
		with a value above PLN 10,000				
	Remuneration with related items					
	including	first- and second-cycle degree students				
		doctoral students and PhD-holders up to 7 years after the award of the degree				
		other				
3	Other direct costs					
II.	Indirect costs (15%)					
III.	Total costs					

4. A list of implementers' names as part of the project realisation.

Implementer (name and surname of implementer, academic title/degree, position, place of employment)	SAP Number
1.	
2.	
3.	

.....
(date and signature of head of project)

.....
(stamp and signature of Bursar's representative)

*Delete as appropriate



Excellence Initiative – Research University
Priority Research Area
Energy Conversion and Storage

Annex No. 5 to Regulations

Record of evaluation and approval of the YOUNGENERGYDEMO project

title:

headed by:

Planned costs: PLN, Incurred costs: PLN

Committee:

Chairperson:

Members:

1.

2.

3.

The evaluation committee states that the project:

has been correctly implemented./ has been partially implemented./ has been incorrectly implemented.*

Committee's comments:

Date and Committee's signatures:

Chairperson:

Members:

1.

2.

3.

Date and signature of the Head of the project:

Annexes:

Final report on the project implementation