

solar decathlon **21** europe

WUPPERTAL GERMANY *... goes urban!*

how to apply quick guide

call for teams addendum b
21_07_2019

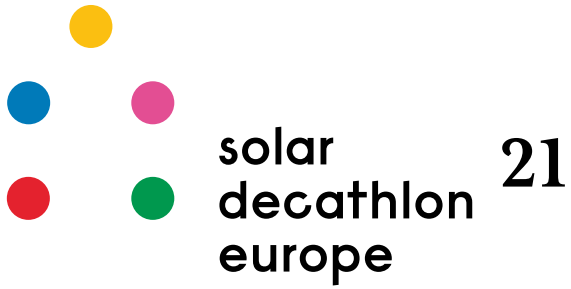


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21_07_2019



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1 sde21 call for teams_ recap

The SDE21 Organisation seeks up to 18 Teams to compete in a new edition of the Solar Decathlon Europe Competition. The revitalisation of urban building stocks that work towards reducing the carbon footprint is the key focus of the SDE21. The scope of the Competition centres around the value added by renovation, transformation or reuse of existing dwellings for densifying cities. This creates a platform for high impact solutions in typical European contexts, and urban challenges in general. There will be a strong orientation toward viability and importance for the wider public. Linking the SDE21 Competition to current architectural discussions, building research and social aspects of urban living is key.

The SDE21 Organisation is soliciting proposals from post-secondary educational institutions that not only address participation in the Competition, but also show competence towards achieving the envisioned objectives for the SDE21 Competition. This document gives aspiring Teams an overview of the key information regarding the Application process as an addendum to the official SDE21 Call for Teams.

2 the challenge

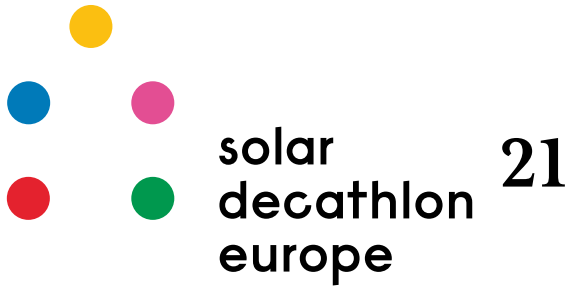
To define your specific project follow the following steps:

- i. Choose one of three urban situations:
(1. renovation & extension, 2. closing gaps, 3. renovation & addition of storey) from the target district “Mirke” in Wuppertal or a district from your country/city of origin.
- ii. Have a close look at the district and its citizens. Choose a group of residents for whom you will transform your prototype according to what you think will be a relevant (social) innovation for your selected district.

The project splits into a design challenge for the entire building project and the challenge to design, build and operate a Demonstration Unit (similar to SDE prototypes from past Competitions).

Design challenge

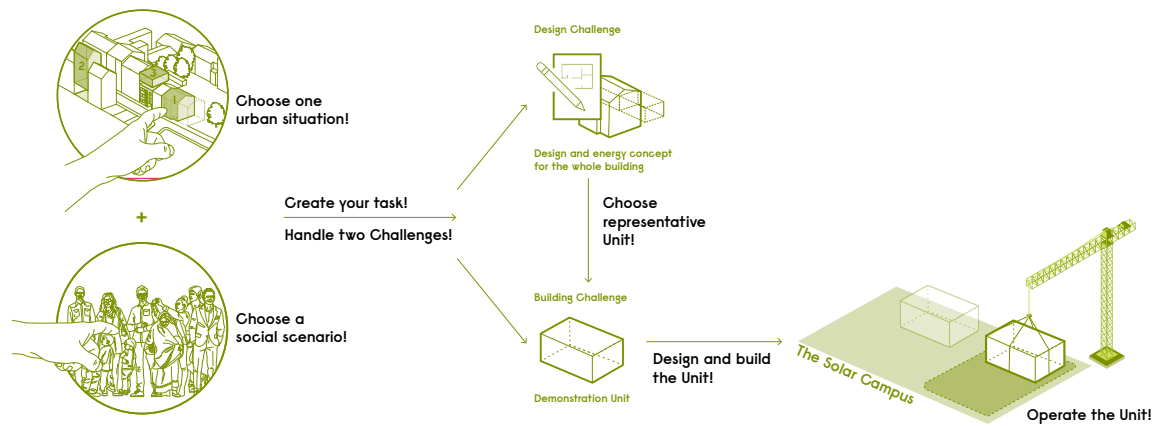
The requirements for the building designs are similar to an architectural design competition. A design and energy concept for the whole building needs to be developed following the idea of carbon neutrality. A continuous part of the building design is the site concept: Besides the building design task, the surrounding neighbourhood is described. On a conceptual level, this offers the possibility to address neighbourhood solutions such as open space design, shared spaces, energy networks, urban mobility solutions etc.



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Building challenge/Demonstration Unit

The Demonstration Unit is part of the whole designed building. The Teams are free to choose the most representative part of their building design, but solar systems have to be integrated.



3 contests, scoring & evaluation

The SDE21 Rules are under development by the SDE21 Organisation to consider the characteristics of this SDE edition in detail. Nevertheless, the 10 contests and the associated scoring will be as follows:

contests	total points	SDE21 Challenge		evaluation type	
		Design Challenge	Building Challenge	juried	monitored
Architecture	120	•	•	•	
Engineering & Construction	120	•	•	•	
Energy Performance	120		•		•
Comfort	100		•		•
House Functioning	80		•		•
Sustainability	100	•	•	•	
Affordability & Viability	100	•	•	•	
Urban Mobility	80	•	•	•	
Innovation	100	•	•	•	
Communication, Education & Social Awareness	80	•	•	•	
	1000				



4 important dates

Submission Period begins	March 29, 2019
Informational Webinar	September 18, 2019
Registration date	September 13, 2019 _ 17:00 CET
Letter of Intent	As early as possible; deadline October 24, 2019 _ 17:00 CET
Submission Period ends	October 25, 2019 _ 17:00 CET
Selections announced	December 2019

preliminary contest schedule

14.08.21	Saturday	latest team arrival & welcome party
15.08.21	Sunday	site information, training, opening
16.08.21 - 29.08.21	Monday-Sunday	assembly
30.08.21	Monday	inspections
31.08.21 - 03.09.21	Tuesday - Friday	monitoring/simulation experiment
04.09.21	Saturday	Opening Ceremony
05.09.21	Sunday	public visits
06.09.21 - 17.09.21	Monday - Friday	jury visit/public visits
18.09.21	Saturday	Final Award & Closing Ceremony
19.09.21	Sunday	public visits
20.09.21 - 25.09.21	Monday - Saturday	disassembly
26.09.21	Sunday	team check out
27.09.21 - 30.09.21	Monday - Thursday	adaptation phase for living lab
01.10.21	Friday	Start Living Lab

5 registration

Teams can register by sending an email to: application@solardecathlon.eu

The email should contain the following information:

- Institution Name
- Contact Person's Name
- Contact Person's Role in the Institution
- Contact Person's email and telephone number(s)
- Other Institutional partners in the Team.

Please submit only one registration per consortia of institutions.

A confirmation email will be sent with a 6-digit code to be used in all submissions.



6 letter of intent

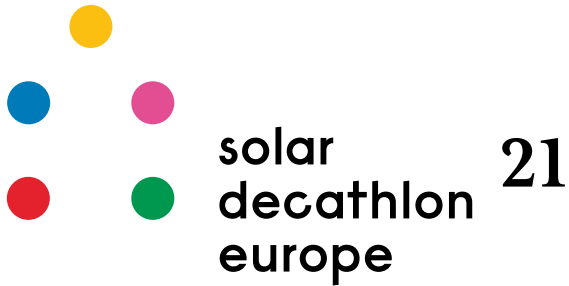
To be eligible to submit a full application, applicants must submit a letter of intent by the specified due date. The letters will not be used for application pre-selection purposes, and do not commit an applicant to submit an application.

The following information must be included in the Letter of Intent:

- Project Title.
- 6-digit code given upon registration.
- Prime Applicant University.
- The project team (including consortium partners, if applicable), including the Lead Person for the Prime Applicant & the Backup Lead Person.
- List of team members.
- Other project participants (i.e., individuals who contribute in a substantive, measurable way to the execution of the project).
- Thematic focus for the project.
- Abstract – The abstract provided should be maximum 400 words in length, and should provide a concise explanation of the application.
- Finally, the Letter of Intent should be signed by an authorized person (presumably the Lead Person) to act on behalf of the Prime Applicant.

7 eligibility

All submissions must be submitted via the email or by a file-transfer service with a link indicated in an email. The EEF will not review or consider submissions submitted through means other than described above, submissions submitted after the applicable deadline, and incomplete submissions. The EEF will not extend deadlines for Applicants who fail to submit required information and documents due to server / connection congestion. In terms of general eligibility, Teams must be led by a post-secondary educational institution.



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7.1 FULL APPLICATION REQUIREMENTS

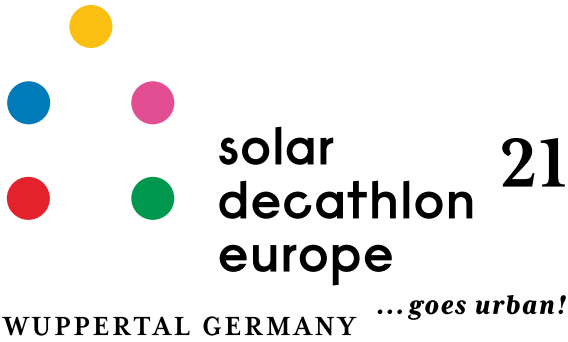
- 7.1.0.1 Each must be submitted in Adobe PDF format unless stated otherwise.
- 7.1.0.2 Each must be written in English.
- 7.1.0.3 All pages must be formatted to fit on DIN A4 paper with margins not less than 10mm on every side. Embed the typefaces, use a black typeface colour, and a font size of 12 point (except in figures or tables, which may be 10 point). A symbol font may be used to insert local alphabet letters or special characters, but the font size requirement still applies. References must be included as footnotes or endnotes in a font size of 10 or larger. Footnotes and endnotes are counted toward the maximum page requirement.
- 7.1.0.4 The Control Number must be prominently displayed on the upper right corner of the header of every page. Page numbers must be included in the footer of every page.
- 7.1.0.5 Each must not exceed the specified maximum page limit, including cover page, charts, graphs, maps, and photographs when printed using the formatting requirements set forth above and single spaced. If Applicants exceed the maximum page lengths indicated below, The EEf and the SDE21 Organisers will review only the authorized number of pages and disregard any additional pages.

7.2 FEES

A non-refundable fee of € 750,00 is to be paid to the account of the Energy Endeavour Foundation by the submission date. Please make transfers to:

ABN AMRO Bank
Coolsingel 93
3012 AE Rotterdam, Netherlands

Account Holder	Energy Endeavour Foundation
IBAN	NL54ABNA0547070179
BIC / SWIFT	ABNANL2A



8 submission package

Full Applications will consist of the following documents:

8.1 APPLICATION LETTER (PDF)

- Lead institution's letterhead
- Signed by institution officials
- Name of institution
- Appointed lead person(s) and Contact info (phone, e-mail)
- List of any other partner institution (if applicable)
- Save the letter as: "Number_Organisation_0_Letter"

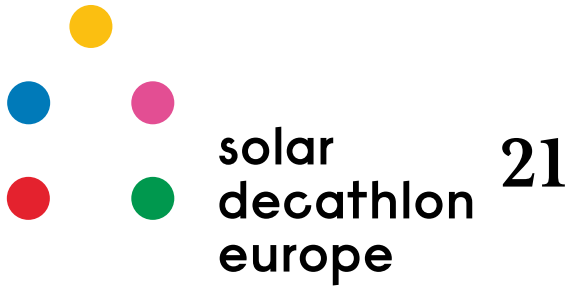
8.2 TECHNICAL VOLUME (PDF)

The Technical Volume to the Full Application may not be more than 20 pages, including the cover page, table of contents, and all citations, charts, graphs, maps, photos, or other graphics, and must include all of the information listed below.

- Cover page (1 page)
- Project Overview (approx. 2 pages)
- Technical Description, Innovation, and Impact (approx. 6 pages):
 - Relevance & Outcomes
 - Feasibility
 - Innovation & Impacts
- Work plan (approx. 8 pages):
 - Includes a summary of the Project Objectives, Technical Scope, Work Breakdown Structure, Milestones, Go / No-Go Decision Points, Project Schedule and Project Management.
- Technical Qualifications and Resources (approx. 4 pages)

For multi-organizational or multi-investigator projects, describe succinctly:

- The roles and the work to be performed by each PI and key participant;
- How the various efforts will be integrated and managed.
- Save the Technical Volume as: "Number_Organisation_1_Tech".



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8.3 BUDGET (MICROSOFT EXCEL)

- The budget must be for the project as a whole, including all work to be performed by the Applicant, Partners, and their Subrecipients and Contractors.
- Save the Budget as: "Number_Organisation_2_Budget".

8.4 SUMMARY / ABSTRACT FOR PUBLIC RELEASE (PDF)

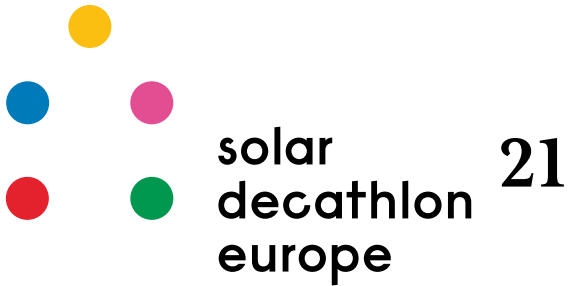
- One page document for publication (1 cm margins & min. 11 points typeface):
 - Name of applicant
 - Project director
 - Project title, Objectives, and Description
 - Impact
 - Major participants (for collaborative projects)
- Save the Summary as: "Number_Organisation_3_Summary".

8.5 SUMMARY SLIDE (PDF)

- Applicants are required to provide a single 16:9 ratio slide summarizing the proposed project. The Summary Slide template requires the following information:
 - A project Summary;
 - A description of the project impact;
 - Proposed project goals;
 - Any key graphics (illustrations, charts and / or tables);
 - The project's key idea;
 - Project title, Prime Recipient, Principal Investigator, and Key Participant information.
- Save the Summary Slide as: "Number_Organisation_4_Slide".

8.6 LETTERS OF COMMITMENT

Applicant will need a letter of commitment from the leadership of all partner institutions that make up the applicant Team consortium (if applicable). Please save these as one page PDF named: "Number_Organisation_5_Partner".



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9 contact info

email questions to	questions@solardecathlon.eu
email applications to	application@solardecathlon.eu
all other inquires	info@solardecathlon.eu

ref. urban situations

situations & options

Please note that Teams are free to propose one of the three urban situations as applied to their city of origin, or choose one of these situations specific to Wuppertal. In the case that a Team elects to apply a situation to their city of origin, they will need to provide similar information to make the circumstances and the approach visible for the jury.

Prospective Teams are invited to understand the three situations with their corresponding parametres and principles as these could be applied and contextualised into the Teams' choice city.