

Transition Zero Award 2019

Which team develops a smart sustainable solution that contributes best to the energy transition in urban areas?

For a long time, we have treated natural resources as if they were infinite. With a world population that is predicted to grow considerably, the demand for energy and resources is likely to increase and not diminish. In 2050, 80% of the world population will be living in a city. We want our cities to be places of high quality, where people can live and work, all within the earth's carrying capacity. In the smart sustainable city of the future, people strive to live and work in a healthy, social and entrepreneurial climate that is energy neutral.

The Dutch Platform Urban Energy believes, that students are the professionals of the future, who have to find solutions to related challenges. They can make the difference. Therefore, student teams from higher educational institutes are invited to compete in the International Smart Sustainable City Competition for the Transition Zero Award 2019. The total prize money is €5.000, to be spend in a way that enforces the involvement of students in building the smart sustainable city.

The Challenge

Develop a solution that contributes in a new way to the development of smart sustainable cities with respect to the energy transition. The energy transition has to deal with many aspects: design issues, environmental issues, social issues, economic issues, technical issues, health issues, ecological issues and governance issues. Therefore, solutions with a broad scope and with a special focus are equally welcome. E.g. solutions that help with efficiency of energy usage, solutions that generate cleaner energy, solutions that stimulate the use of alternative or renewable energy or solutions for energy storage, but also solutions addressing mobility issues within but also from and to cities, circular economy or particularly smart solutions. How will your solution contribute to the energy transition and the smart sustainable city?

Who can participate?

- Student teams studying at a University of Applied Sciences (in Dutch: hogeschool). Students from abroad are explicitly invited to submit their projects.
- Projects that are part of the regular curriculum (for instance in a minor) can be submitted, but extracurricular or honours projects are welcome as well.
- The challenge is, by its nature, particularly suitable for multidisciplinary student groups.

Requirements for submissions

We invite you to send in new or recent work, e.g. from an assignment during a curriculum course.

- Executive summary in English (200-300 words) using the format in [appendix 1](#).
- Article in English or Dutch (1500-2000 words), with
 - 1 high resolution representative image,
 - 2 illustrations relevant to the content,
 - references are in APA style.

The submitted articles will be bundled in an online magazine similar to:

<https://tinyurl.com/SSCmagazine>

- Answer to the question: *'How would you spend the prize money to involve (international) students in a career path in the energy transition?'*
(E.g. you could support your personal development by using the money for a trip abroad to attend a relevant (student)conference or to promote your idea, or you invest the money to set up your own start-up company to realise your winning idea, or you support an individual student that had a brilliant idea according to you, but could not participate in this challenge. Tell us as concrete and feasible as possible and we will try to help you achieve it!)

Conditions

- The submitted work is not older than 1 year, meaning the project started in 2018 and is finished before the deadline for submission.
- The article text is submitted as plain text file. The image and illustrations are provided as separate files.
- A pre-entry is required to participate in the challenge with the following information:
 - Title, subject, expected output, personal details of applicants, name of educational institute and preferably name of education program in which the submission will be/is developed (e.g. name of minor).
- A pitch at the Award Ceremony will be part of the competition when nominated.

How to submit?

- To compete in the challenge, the documentation has to be sent by email, to: caroline.maessen@hu.nl with the following information:
 - Subject header: TZA19 – <your team name>
 - Group information: names and affiliation of all team members, name of the Educational Institution, name of the contact person and email address for contact.
 - Title of your project, word counts of both the executive summary and the article.

Jury process and criteria¹

- The jury consist of at least 1 lector, 1 practice representative and 1 educator related to the field of Urban Energy and/or Smart Sustainable Cities.
- The jury will review the submissions, (after a check on meeting the requirements and conditions), and will select up to 6 nominees².
- The jury will assess your work by the following criteria:
 - desirability (needs of people),
 - viability (requirements for business success) and
 - feasibility (possibilities of technology).
- You will be notified on January, 25th 2019, whether their project has been nominated. If you are nominated to pitch, you will receive further instructions.
- Presentation of the nominated project on January 30th or February 1st, 2019 (final date will be set later):
 - The pitch contains at least: challenge and ambition, description of the offered solution, and support of the claim in realizing the ambition.
 - The jury will select the winner and present the Transition Zero Award 2019 during the award ceremony.

Important deadlines

- December 13, 2018: Pre-entry
- January 23, 2019: Submission deadline
- Jan 30 or Feb 1, 2019: Award ceremony

Information

If you have any questions about the Young Professionals Event – Transition Zero Award 2019, please contact Caroline Maessen:

E caroline.maessen@hu.nl

T +31 (0)6 41 61 94 75

¹ All results are final. No correspondence will be entered into.

² The number of nominees may be adjusted by the jury depending on the number of submissions.

APPENDIX 1 – executive summary (max 2 pages)

Write your summary in each section in the gray areas of the format.

<p>Description of the challenge in terms of ambition: what will be the contribution to energy transition?</p>
Empty gray area for writing
<p>Description and definition of the borders of the system (chosen building/area) and, if applicable, of the subsystems.</p>
Empty gray area for writing
<p>Description of the offered solution and means of realization to the challenge and support to the claim on realizing the ambition.</p>
Empty gray area for writing
<p>Description of research methods that are used (survey, measures, calculations).</p>
Empty gray area for writing