

No Guts, No Glory

Do you like a challenge? Do you think sustainable energy and climate are important? Show us what you can do and participate in the [Energy Design Challenge 2021](#).

SMARTCircular is looking for hundreds of sustainable energy concepts with which we can connect villages and cities through a “green ribbon of light” during Earth Hour 2021.

What does this entail?

Design and build the energy system of the future based on sustainable energy. You can think of energy sources like wind, water, sunlight, magnetism, bio-energy, movement etc. It is important to connect it to a transformer or battery. Put some lights on it and make it “shine”!

Research, Design, Development and ... Shine!

Striking energy concepts

Do you want to participate as student/academic team/faculty/study association/student association/... or with multiple teams? [Apply here](#).

- Universities have the possibility to participate with multiple teams
- One team consists of 5 to 10 students

Agenda

- Application for teams
1st Sept. – 15th November 2020
- Kick Off
15th January 2021
- Earth Hour
27th March 2021
- Regional finals – Battles
15th April 2021
- National finals
30th April 2021

Challenge

Research, design and build your own energy system. Promising energy concepts have the possibility to be aided by the Council of Founding Fathers to further develop your concept to a market-ready product.

Make it shine and win!

Prizes

- Prizes range from €250, - to €1.000, -
- Grand Prize of €2.500, -
- Aid for further development of your concept

And there is more....

Meet the Council of Founding Fathers

Teams with an innovative, promising energy concept can pitch their product to the [Council of Founding Fathers](#). The Council judges the concept and aids when interested in further development of the product to make it market-ready.

Depending on what your goals are as a team, you can keep leading your design or sell the idea to an interested party.

[Apply here](#)

Design criteria

1. Creativity and innovation
2. Innovation in technique and output
3. Contribution to circularity
4. Scalability and operational use

Learn more about the judges and the finals

[Click here](#) and read about everything you need to know on what to deliver for the finale, your pitch, the judges, the regional finals with the Battles in cooperation with Jong RES (Regional Energy Strategies) and the provincial house and the finals on the 30th of April 2021.

Cooperation with regional companies

It is important for companies to get in contact with their future employees. You can profit from the knowledge, expertise, materials and possibilities these companies offer. Need help or advise? Contact us.

Costs

Each team receives a participant's package, preferably handed out by the Mayor containing:

- Application
- Outside jacket for Earth Hour
- Certificate of Participation
- Judging and finals
- Help for further development via the [Council of Founding Fathers](#)

Costs: €150, - excl. btw per team (team size 5 – 10 students)

Student houses, study- and student associations participate for free!

Application

[Click on this link](#)

Good luck!

Contribution to SDG-Goals

The SMARTCirculair Energy Development Challenge contributes to the following SDG Goals:

Food (2), Health and Well-Being (3), Quality Education (4), Clean Water and Sanitary (6), Affordable Sustainable Energy (7), Honest work and Economic growth (8), Industry, Innovation and Infra (9), Sustainable cities and Communities (11), Climate action (13), Partnership to Accomplish Goals (17).

The Energy Design Challenge 2021 is an initiative of SMARTCirculair

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Sub-goals

- Education: Future-oriented curriculum and 21st century-skilled students
- Climate goals: Climate Awareness Events in the Netherlands
- Energy transition: Increase in energy transition and innovation
- Circular Economy: Promising energy concepts which can be further developed by regional companies.
- Human Capital Agenda: More applicants for technical study programs



During Earth Hours on the 27th of March 2021, everyone in the Netherlands turns their lights off and thousands of youngsters make a "ribbon of light" visible by satellites.