Start Up Energy Transition Award – Terms and Conditions

1) Eligibility

National and international companies that contribute to the success of the energy transition with their products can apply for the 'Start Up Energy Transition Award' ('SET Award').

The company must have been founded no more than 10 years beforehand. The object of the application must be an already implemented project, manufactured product, or existing prototype. It is not possible to apply with just an idea for which no concrete steps have been taken. The founding of a company and the development of a business plan are not sufficient in and of themselves.

Participation in other start-up initiatives or competitions is possible.

2) Participation deadline

Applications for the Start Up Energy Transition Award 2020 must be submitted by 15th of January 2020 at 23:59:59 GMT-10. All applications submitted before this deadline will be included in the selection process.

3) Cancellation of the competition, no entitlement to participate

dena reserves the right to cancel this competition at any time. This is particularly true in the event that the public funding of the competition is not provided by the Federal Ministry for Economic Affairs and Energy (BMWi). There is no entitlement to participate.

4) No participation fees

You will not be charged any participation fees to apply for the Start Up Energy Transition Award.

5) Categories

Applicants may only apply to one category. All subsequent applications to other categories will be disqualified. This also applies to the Special Prize: Quality Access &SDG-7.

Category 1: Renewable Energies & Materials

In light of the move away from fossil-based energy sources, combined with the ever-growing increase of renewable energy sources, energy systems are changing shape and evolving into much more intricate systems than ever before. While renewable energy resources may be abundant in some areas, the required technology mix or supporting infrastructure may be lacking. How can we move faster and further away from conventional emission intensive forms of energy production in a sustainable way? What technologies, business models, applications, and other innovative approaches to energy production are out there? This category seeks to identify innovation in energy generation and storage, in alternative fuels and energy carriers and of course, 'Power-to-X'.

Key Words (not limited to): Solar; wind; hydrogen; Power-to-X; alternative fuels; energy storage solutions; maintenance infrastructure; waste-2-energy

Category 2: Digital Energy Systems

Digitalisation, the 'Internet of Things' and the era of smart devices have all vastly changed and improved the way in which we receive, utilise and share information. The dissemination of information and decentralization of energy systems has the potential to empower and enable citizens globally. Grid management systems, smart platforms, virtual powerplants, the application of big-data, artificial intelligence and machine learning are key technologies that will continue to support the energy systems of the future. This category looks for innovation on the digital spectrum. From micro, mini, local, or system wide application, digital innovation will be a key driver for the successful transition.

Key words (not limited to): off- grid, micro grid, smart grid, peer-to-peer, blockchain, financial platforms, mobile platforms, last-mile distribution channel, ancillary services, virtual power plants, data management, data & cyber security, predictive supply chain management, digital twinning, and traffic & congestion management.

Category 3: Energy Efficiency Solutions

We want to see which ideas can help us do more with less. Energy efficiency and using energy responsibly are fundamental to the successful energy transition. This is becoming ever-more urgent with growing cities, populations & energy demand coupled with more extreme temperatures and weather conditions. How can we use the valuable energy resources that we have in a more meaningful and sustainable way? Which ideas aide industries, buildings and households to track, manage, reduce or adapt their energy consumption? We are searching for smarter appliances, applications, materials, substitutes and behaviour-changing innovations that help promote and improve energy use.

Key words (not limited to): Insulation; heat recovery; cooling systems; smart appliances; substitutes; households; industry; real-estate; circular economy

Category 4: Smart Mobility

While decarbonising the transport sector is no easy task – there is no shortage of real and effective solutions. More and more cities are implementing policies that aim at reducing pollution and GHG-emissions, meaning that the era of smart mobility is not far off. The uptake of electric vehicles, innovative sharing platforms, and the advancement of alternative modes of transport will all help mobility become more accessible and affordable, while also reducing the impact on the environment and climate. Creative approaches to infrastructure, public planning, logistics, user behaviours, vehicles and other modes of transport are key to a well-functioning & sustainable mobility sector of tomorrow.

Key words (not limited to): Adaptive mobility; charging infrastructure; alternative modes of transport; electrification; transport and logistics management; public transport

Category 5: Special Prize: Quality Access & SDG-7

To achieve a global energy transition, we cannot ignore the matter of energy poverty. UN Sustainable Development Goal (SDG) 7 is all about "ensuring access to affordable, reliable, sustainable and modern energy for all". While action is needed from the side of policymakers to maintain the Energy Trilemma balance, the entrepreneurial community has a role to play in ensuring access to energy for all – in a sustainable way. Which start-ups are able to provide sustainable solutions for energy, use less, and mitigate competition between key resources such as the energy, water and food agendas? We are looking for start-ups that have the potential to make the biggest dent in ensuring access to affordable energy for all, in an equitable way. We are looking for diverse solutions for technology, financing, awareness & capacity building, that can reach far and wide, have a very clear social drive and most of all, will make a large impact.

Key words (not limited to): SDG-7; the Energy Trilemma; equity; affordability; access; reliability; resource management; environmental sustainability; social entrepreneurship; energy harvesting

6) Prizes

The winner of each category will receive a maximum cash prize of 10,000 euros. If more than one applicant receives the highest number of points in a single category, the prize money will be divided evenly. The prize money for special prizes such as Quality Access & SDG7 may deviate from the aforementioned prize money.

The winners will be announced and the prizes presented at a celebratory award ceremony.

The decision regarding the awarding of the prizes will be the sole responsibility of the jury. There is no entitlement to publication, award ceremony, justification of the decision, or remuneration.

7) Selection procedure and jury

Applicants can only apply for one category.

Following a criteria check, the submissions will be subject to a quantitative assessment process. During this, they will be submitted to Early Metrics, a SME rating agency, who will evaluate the applicant using a standardized modelling system designed around the questions found in the application. Early Metrics will produce a ranking of all the applicants. The top 120 applications will be passed onto the jury.

The jury, which is made up of internationally recognised experts from politics, the energy sector, business, as well as start-ups, will conduct a largely qualitative review using an online tool to assign points. This review will determine the top 100 (SET 100) list, in addition to the 15 finalists. No information on the Early Metrics ranking will be communicated to the final jury.

The three best-placed applicants for each category are the finalists in the final round of the competition and will be invited to the Tech Festival by dena. This will take place presumably in the 3rd week of March, 2020. dena will assume responsibility for planning the arrivals, departures and accommodation. However, dena is not a tour operator. Should individual participants make special requests that incur additional costs (open-jaw flights,

transfer to a location that is not the airport of departure or residence, flight or hotel upgrades to a higher class, extension of the stay, etc.), these additional costs must be borne by those participants.

The finalists are invited to once again present their applications with a live pitch on the Tech Festival stage. The winners will be announced at the end of the Tech Festival at a celebratory evening event.

The final jury also reserves the right to award special prizes to extraordinary achievements or not to award prizes in the aforementioned categories if the quality criteria are not satisfactorily met by any applicant. In addition, projects may be grouped between the various categories in each evaluation phase if deemed appropriate. The affected applicants will be informed accordingly.

8) Application documents

The application documents must be submitted via an online tool in English. All fields on the application form must be filled in with the corresponding information in complete sentences or bullet points and in English. References to attachments (e.g. 'see website' or 'see attached documents') or 'no statement' are not permitted and will not be considered. Please note the maximum number of characters in each instance. These fields must be filled in as concisely and comprehensibly as possible, taking into account the limited number of characters. The application will not be considered complete if the following information and documents are not submitted:

1. Completely filled out application form (Partially completed applications will not be accepted).

2. High-resolution company logo (300 dpi) as a .jpg or .png file for publication on the SET website and in the competition documents.

3. All attached documents and pitch decks must be in English.

The applicant must be able to present a legal framework, proof of concept or a client, and/or an industrial/corporate/institutional partner.

Only complete applications received before the deadline will be considered. By submitting an application, the applicant accepts these conditions for participation.

9) Photos, videos, brief descriptions (final documents)

If the application reaches the final round, the applicant will provide additional information on the company and the project (such as photos, brief descriptions, brief videos) on request of dena within seven business days (Monday -Sat.) for public relations work in connection with the SET Award 2020 (namely on the SET homepage, Twitter, Facebook, Set Award flyers). Paragraph 12 will also apply to these documents.

10) Confirmation of receipt of the application

After your application is submitted, you will receive an automatic confirmation of receipt. If you do not, please contact us immediately.

11) Confidentiality

dena assures that your documents will be treated with the utmost confidentiality. All submitted documents will be made available to Early Metrics and the jury only for the purpose of conducting the selection process. Early Metrics and the juries are bound to secrecy.

12) Usage rights / publication

The following information on the finalists will be published at the Tech Festival 2020, SET Award 2020 award ceremony and beyond for the purpose of public relations in connection with the SET Award 2020: Name of the company, basic information about the company and project in the form of a brief description.

The following information on all applicants may be published at a later time on a World Energy Council and dena led SET online platform: Name of the company, year established, industry, country, and project information in the form of a brief description.

The following information on the 100 best submissions will be published following the award ceremony as part of the 'SET 100 List' of the 100 most successful applications for the purpose of public relations: Name of the company, year established, industry, country, and project information in the form of a brief description.

This does not imply any right to publication or public relations work on the part of dena.

The applicant grants dena and the World Energy Council the simple usage rights (right to make publicly available, translation right, right to store on any available medium [multimedia right] as well as database right, etc.), unrestricted in terms of content, time and location, to the works submitted to participate in the competition as well as submitted to dena for the purpose of public relation, such as the brief descriptions, photos, videos (final documents) and the company logo, which are subject to copyright protection, for the purpose of public relations. dena and the World Energy Council has the right to reproduce the work in its entirety or in part (in print, online, etc.) and publish it, stating the applicant's name. The applicant shall label the work of third parties separately and notify dena and the World Energy Council of the source.

The applicant hereby warrants that he/she may freely dispose of the usage rights to the final documents and company logo and that no third-party rights, in particular trademark rights, copyrights, personal rights or other ancillary copyrights, prevent dena's use of them.

In addition, the applicant affirms that any third parties owning copyright to the final documents and company logo have fully renounced their right to be named as creator of the work in accordance with §13 (2) of the Copyright Act (UrhG).

As a precautionary measure, the applicant shall release dena and the World Energy Council upon first request from all third-party claims, which such parties derive from any rights they may hold to the final documents or company logo. This also includes the costs of an appropriate legal defence mounted by dena against third parties. Otherwise, liability is determined by the provisions of law.

The exploitation rights shall be granted without compensation.

14) Video and audio recordings

dena and the World Energy Council intends to publish photo, video and audio recordings made as part of the Tech Festival 2020 and the SET Awards 2020 award ceremony on the SET homepage, on Facebook, on Twitter, in

the SET newsletter, in flyers, and in brochures for the purpose of public relations and documentation either via dena itself as well as via media and network partners.

15) Contact

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The Start Up Energy Transition Award is presented in cooperation with:

World Energy Council (WEC)

62-64 Cornhill

London EC3V 3NH, UK,

Further information: www.worldenergy.org

Privacy notice

Personal data may be used as stated in the data protection declaration and these terms and conditions.

The Start Up Energy Award is presented in cooperation with the World Energy Council (WEC), a registered UK charity (charity number 1086559) and a company limited by guarantee incorporated in England and Wales (company number 04184478), 62-64 Cornhill, London EC3V 3NH, UK, www.worldenergy.org. Thus the applications are disclosed to the WEC to oversee the evaluation and selection process for the Top 100 and the finalists.

WEC will make your data anonymous for their use for the World Issues Monitor research.