

Start Up Energy Transition Award – The nominated companies



Glowee

- Founded: 2013 in Evry, France
- Founders: Sandra Rey
- Product: a biological source of light at the crossroads of biomimicry and synthetic biology
- Website: www.glowee.eu



The idea

Glowee develops a new biological lighting system using bioluminescent micro-organisms able to produce light, at the crossroads of biomimicry and synthetic biology.

- The goal: to disrupt the way we produce and consume light, by offering a living and self-sufficient lighting raw material, requiring no installation infrastructures.
- Using not an electric but a biological and living source of light, Glowee aims to resolve issues caused by electric light (ecologic, economic and health issues), for a variety of uses and markets (urban landscape, shop windows, building facades, signal, remote areas, etc.).
- Today light is an energy cost, we turn it into an energy source.

Glowee's vision is not to radically replace electric lighting systems. We believe the best way to have a large impact on ecology, economy and health is to develop alternatives and choose the best technology for each use.

With our technology, we decided to rethink the whole value chain of electric light and thus propose a global solution following a strong bioeconomy trend.

Award Category: The Urban Energy Transition

What ideas and business models can help make the urban energy transition happen? How can the dynamic innovation activity around building technology best be harnessed?

Sandra Rey

Founder and CEO

“ We think that every solution can be found in nature, as it is the most powerful and clean factory. By mixing biomimicry and synthetic biology we are able to reproduce what nature is doing best on technologies but also on business models, as circular economy is the way nature does business. ”

The Award

The Start Up Energy Transition Award is the international competition for start-ups and young companies worldwide, who are working on ideas affecting global energy transition and climate change. For the 2017 edition, more than 500 candidates from 66 countries applied for the six different categories. The Start Up Energy Transition is an initiative launched by the Deutsche Energie-Agentur – the German Energy Agency (dena).

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