

Start Up Energy Transition Award – The nominated companies



Aurelia Turbines

- Founded: 2013 in Lappeenranta, Finland
- Founder: Matti Malkamäki
- Product: most efficient small gas turbines in the world
- Website: www.aureliaturbines.com

The idea

Aurelia Turbines is commercializing gas turbine technology developed in Lappeenranta University of Technology, Finland. The strategy of the Aurelia team from the outset, has been to have a world class product with high reliability and efficiency achieved with modular components. To this end Aurelia will retain the core expertise and are employing industrial, world-class partners to ensure component scalability and ease of integration into Aurelia's own technology.

The turbine A400 has an electrical output of 400kW and offers several outstanding benefits: superior electrical efficiency of over 40 %, ability to provide both heat and electricity by using an extensive range of fuels, including biofuels, highest partial load efficiency in the market, considerably lower maintenance costs, short payback period, very low emissions and over 90 % reliability rate. The turbine design includes "Industry 4.0" features.

Award Category: Cleantech against Climate Change

Cleantech is doing more with less. It's about decreasing costs, waste, pollution and the use of resources. Which innovative services and technologies can make that happen? Which technologies will help us reduce greenhouse gas emissions?



Matti Malkamäki

Founder and CEO

“ Aurelia Turbines offers highly efficient distributed combined heat and power (CHP) solutions for small scale process and SME industry. The turbines can utilize a wide range of fuels, including renewables and other non-standard fuels. ”

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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