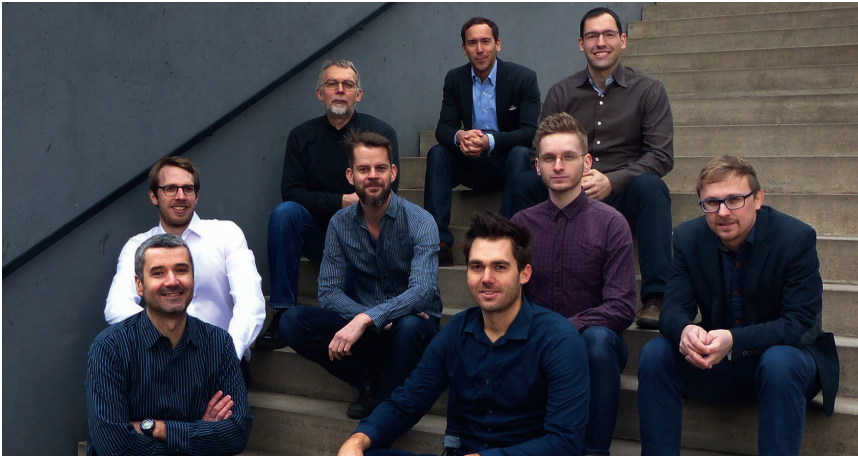


Start Up Energy Transition Award – The nominated companies



CAALA GmbH

- Founded in Munich, Germany
- Founders: Dr. Alexander Hollberg, Philipp Hollberg, Milen Ivanov, Sebastian Dominguez
- Product: assessment of financial and environmental impact of design decisions during early planning phase
- Website: www.caala.de



The idea

With CAALA architects can calculate and compare in seconds millions of building variants with regards to energy demand, CO₂-emissions, investment and operational costs.

Their SaaS assists users in optimizing buildings in the early development phases by providing life cycle assessment on design variants considering all design parameters. With CAALA the environmental footprint can be lowered (> 40% less CO₂-emissions) and the value of the building project increased (>30% less life-cycle costs).

The construction industry is key to driving energy transition. Since it is a heavily regulated industry, its pace is very slow and because of high construction costs, real estate investors are also risk adverse. Knowledge and experience dominate the planning and the decision making processes. The challenge startups have, is leveraging that thirst for security early on in the planning process of real estate projects by providing information and visualizing large amounts of data in real time in a non-expert friendly manner. That opportunity is what CAALA aims for with.

Award Category: Future Production and Manufacturing

The Internet of things will mean plenty of new services and enable opportunities for smart technical infrastructure that saves energy and harnesses fluctuating energy generation levels.

Sebastian Dominguez

CEO

“ We believe that in the fight against climate change, the largest industry in the world holds the key to success: the construction industry. Buildings planned today will be used over the next 40 years and hence have a significant impact on the ecology. ”

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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