

# Start Up Energy Transition Award – The nominated companies



## Hydrogenious Technologies

- **Founded:** 2013 in Erlangen-Nürnberg, Germany
- **Founders:** Dr. Daniel Teichmann, Prof. Wolfgang Arlt, Prof. Peter Wasserscheid, Prof. Eberhard Schlücker
- **Product:** Systems for safe and efficient hydrogen storage in LOHC liquids
- **Website:** [www.hydrogenious.net](http://www.hydrogenious.net)



## The idea

The hydrogen economy is not a vision anymore, it is getting a reality in zero emission mobility and energy storage. Hydrogenious' Liquid Organic Hydrogen Carrier (LOHC) technology binds the hydrogen to a carrier oil, which can be stored and handled at ambient conditions:

- Our LOHC oil is non-toxic, hardly flammable and non-explosive enabling hydrogen transport in existing fuel infrastructure.
- Hydrogenious Technologies acts as an infrastructure provider and designs, develops, builds and sells the systems necessary for the storage (Storage BOX) and release (ReleaseBOX) of the hydrogen to and from the LOHC oil.
- Transport capacities per truck are increased by a factor of five with LOHC compared to 250 bar compressed hydrogen transport and reducing total cost for hydrogen transport to the customer by up to 50 percent.

The LOHC technology of Hydrogenious Technologies enables safe and easy hydrogen storage and transport at ambient conditions in existing fuel infrastructure.

## Award Category: Clean Tech 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?



## Dr. Daniel Teichmann

Co-founder and CEO

“ Hydrogenious offers plug-and-play hydrogenation (StorageBOX) and dehydrogenation (ReleaseBOX) systems for industrial hydrogen supply and logistics. Our products provide the infrastructure for easy and safe hydrogen distribution. Our customers profit from lower cost transport, increased safety and reduced handling complexity. ”

## 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).

Platinum Sponsors



Gold Sponsors



Silver Sponsors



Powered by

