

Start Up Energy Transition Award – The nominated companies



Thermal Energy Service Solutions (TESSOL)

- **Founded:** 2013 in India
- **Founders:** Rajat GUPTA
- **Product:** revolutionizing the transport refrigeration industry by making temperature controlled supply chains more affordable (60% cheaper) and green (100% electric).

TESSOL
thermal energy solutions

The idea

TESSOL is one of the fastest growing cold chain technology companies in India:

- Its PLUGnCHILL range of products for transport refrigeration use the proprietary PCM heat exchanger technology to provide 60% cost savings while eliminating the use of any fuel.
- TESSOL products are marketed pan India and are being launched in the UAE for the middle-eastern market.
- Widely awarded from global institutions for its innovation, TESSOL is a venture backed company led by a highly experienced and qualified team from most premier institutes of the world.

Our product contributes to all three areas in the temperature controlled transport and storage applications. Every PLUGnCHILL small vehicle on the field eliminates 1000 liters of diesel per annum leading to a huge environmental impact. The cold storage solutions need only 5-6 hours of power in a day to maintain temperatures for a full day thereby eliminating backup power at the farm level. With future applications in mobile and static air conditioning, the product has a huge potential in impacting the global energy economy.

Award Category: Mobility meets Energy Transition

An enormous amount of CO₂ emissions comes down to traffic in both urban and rural areas. New ideas and tech is needed to reduce the negative impacts of transport.

Rajat Gupta

CEO

“Everybody loves fresh food. But we also know that it is sometimes not possible to have it produced just around the corner. It needs to be transported. Just as vaccines this food has to be cooled. It is called the cold chain. And guess what: It needs energy. A lot. Until now. Because now there is TESSOL from India. Their technology makes the cold chain green. Rajat Gupta, CEO, tells us why and how.”

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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