Tim Houter

Co-founder & CEO Hardt Hyperloop

Main product: The hyperloop

Aim: To create a terrestrial transportation method faster than airplanes and greener than electric trains

hardthyperloop.com

@HardtGlobal

Hardt Hyperloop Tim Houter

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Towards sustainable high-speed transportation

The project

The idea

The hyperloop is an energy efficient transportation network providing commutable trip times for short and long distances. It is cheaper to build and maintain than high-speed rail and its low-pressure tubes make it safer, more reliable, and better for the environment.

> If you want to go fast, go alone. If you want to go far, go together.

Inspiration

Hearing Elon Musk talk about his hyperloop concept influenced me to a large extent. I truly believe in the necessity of finding sustainable alternatives to the aviation industry.

Unique selling points

In addition to being faster than aircraft and more energy efficient than trains, the hyperloop is cost-effective and safe.

Societal impact

Climate trends call for a breakthrough in transportation sustainability. Hyperloop will answer that call and enable people to easily reach far-flung regions. Basically, there will be a metro network on a global scale.

EIT Community support

The EIT introduced us to potential partners and provided us with essential funding!

Supported by: EIT InnoEnergy Knowledge Innovation Community

Generated funding:
EUR 2 500 000

Challenge:
Next-generation sustainable transportation

Partners:
Tata Steel Ijmuiden B.V., BAM Infra Rail B.V., IHC Mining B.V., Deutsche Bahn GmbH

The nominee

The beginning

After launching the hyperloop concept, Elon Musk started a competition for student teams to support the development of functional prototypes. Hardt Hyperloop participated and won the Innovation Award and the Design & Performance Award.

Partnerships & Teamwork

We collaborate with Tata Steel to develop the tube components of the track for the hyperloop test facility, while the construction-services company, BAM Infra Rail, engineers its foundations. IHC SAS - Hytop is in charge of developing equipment that will be used for the hyperloop underground implementation.

Rewarding moments

We definitely enjoyed the concept presentation of the high-speed hyperloop test facility, given together with all partners.

EIT Awards INNOVATORS