



- E P F O O P -





EPFLoop – Hyperloop Pod Competition 2018

Who are we?

Founded in Fall 2017, EPFL Hyperloop team currently consists of 50 highly motivated engineers, designers and business students from the Swiss Federal Institute of Technology (EPFL), benefiting from the support of 8 renowned faculty advisers.

Together, we are building the future of transportation.

We are a diverse group of individuals who take pride in our work and are involved across many different disciplines on campus.

EPFLoop especially values the multidisciplinary links we are establishing everyday between academia and various engineering industries.

The Hyperloop Competition, taking place on the 22nd of July 2018, boils down to a global engineering challenge that is a groundbreaking concept inspired to solve major environmental and social problems.

Over 8000 hours and counting have been invested, first, in designing and more recently in manufacturing our EPFLoop Pod as we are preparing for **SpaceX Hyperloop Competition in Summer 2018!** We believe and take pride that our work would impact the future.



THE RACE IS ON, AND WE ARE A PART OF IT !



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What is Hyperloop anyway?

Imagine being able to navigate across an entire continent in only one hour. Going at speeds as high as 1300 km per hour - without ever leaving the ground. Imagine traveling to Paris or Zurich from Geneva airport, only to touch down in your final destination 20 minutes later. And then imagine doing all of that at the same price as a first-class train ticket today.

Meet the future of transport. Meet Hyperloop.

Hyperloop is the fifth form of transportation. A semi-levitating pod traveling in a near vacuum tube catering to nearly 900 passengers an hour from the get-go. Near vacuum pressures will radically cut down drag. In plain english, the Hyperloop concept will significantly reduce air-resistance in partial vacuum, in order to shorten long-distance routes between cities and even countries. In the full-scale model, one can envision traveling from Los Angeles to San Francisco in roughly 30 minutes.

Hyperloop propulsion will run on batteries among other methods, thus producing little to no exhaust. Compared to all other form of transportation, Hyperloop is running on batteries and is an environment friendly solution. The tube has the remarkable quality of blending in our current environment in the most discrete manner and will be powered by solar panels.

Not only should long-distance travel be significantly less time-consuming, it should also be affordable, sustainable and safe. Makes you wonder... At this speed, traveling long distances across entire continents in a pneumatic tube, how do we guarantee the safety of the passengers?



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This is where EPFLoop comes in

Safety, on top of speed, scalability, and user-experience, is paramount. EPFLoop, we made our mission At have it to build not safest Pod onlv the fastest but also the that can be.



Your role in this

With great power comes great responsibility, especially when trying to set redefine the 5th groundbreaking mode of transportation. Your backing is a key element to helping us set a standard that will be remembered for generations to come.



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Our leads



Team Leader



Aerodynamics Lead





Théophane Dimier Propulsion Lead



Nemanja Stojoski Software Lead



Nicolas Paltenghi Mechanics Lead



Jelena Malić Media Lead



Martin Seydoux Simulation Lead



Karine Chammas Business Lead

People who believe in us



Prof. Mario Paolone Principal Advisor



Marcel Jufer SwissMetro Founder



Prof. Martin Vetterli President of EPFL



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EPFLoop in the news

EPFLoop has been a topic quickly embraced by the media and already featured in some of the major publication in Switzerland , with expected future coverage. We have been featured in:









"The EPFL team's design is being kept under wraps – all we know is that it impressed the competition's selection committee."

LE TEMPS



ARCINFO.CH

"Sur les 5000 équipes candidates au départ, 20 ont été retenues. Et toutes ont déjà concouru une fois, sauf celle de la Haute Ecole lausannoise."







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Our sponsors

As a student team, EPFL Hyperloop is dependent on the visionary Partners who believe and support us along the way.

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Contact Us

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"When the California "high speed" rail was approved, I was quite disappointed, as I know many others were too. How could it be that the home of Silicon Valley and JPL – doing incredible things like indexing all the world's knowledge and putting rovers on Mars – would build a bullet train that is both one of the most expensive per mile and one of the slowest in the world? The Hyperloop (or something similar) is, in my opinion, the right solution. ... The pods and linear motors [of a pneumatic tube transport system] are relatively minor expenses compared to the tube itself – several hundred million dollars at most, compared with several billion dollars for the tube. [But] even several billion is a low number when compared with several tens of billion proposed for [high speed tracks]."

Elon Musk