

Large-Scale Hyperloop Research Infrastructure Location Selection Process: Selection of Locations for Large-Scale Hyperloop Research Infrastructure

Developing Large Scale Hyperloop Research Infrastructures in European Research Program

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Modules: Wahlpflichtfach (Emden), Bachelor /Master thesis

Major/Field: Technical Mgmt., Economics, Logistics

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Submission Deadline: March / April 2023

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Execution: Time and place by arrangement, group work possible, English language, thesis are preferred

Short description:

Hyperloop is a guided transport system in which so-called pods are designed to transport people and goods at the speed of sound in a partially evacuated tube. Within the framework of the “Hyperloop Development Program” a European research initiative, individual technologies, economics and use cases of this system are being investigated.

This project deals with the Execution of a location selection process for a new Large-Scale Hyperloop Research Infrastructure regarding certification of Hyperloop as a new mode of transport.

Building on earlier work this project evaluates locations based on criteria and objectives proposed for this process. Improvements are suggested and implemented in the process. Future steps and a roadmap are outlined for upcoming research on Hyperloop in a Large-Scale Research Infrastructure.

Goal:

- Evaluation of Locations for a Large-Scale Hyperloop Research Infrastructure
 - Develop the Selection on economic, technical, and further relevant criteria proposed in earlier research in the program
- Suggest Improvements in methodology, criteria and objectives for implementation in the process.
- Outline future steps and a roadmap on Research in a Large-Scale Hyperloop Research Infrastructure

Please reach out and visit www.iht-emden.de for more information. We are happy to supply you with more detailed information of the research program.



Image: PhysicsWorld, UCL