

Large-Scale Hyperloop Research Infrastructure Location Selection Process: Development of a Location Selection Processes

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 development 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 formulates evaluation criteria and objectives for a location selection process of a Large-Scale Hyperloop Research Infrastructure. Additionally, a scale of evaluation for the objectives is proposed. Future steps and a roadmap are suggested to select a location for a Hyperloop Large-Scale Research Infrastructure.

Goal:

- Formulate evaluation criteria and objectives for a location selection process
- Propose a scale for evaluation of proposed criteria and objectives.
- Suggest a methodology for the process
- Develop and finalize a location selection process
- Formulate a roadmap and next steps for the location selection process

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: AmsterdamUMC