

New Hyperloop Testing Facilities: Cargo Logistics and Technical Requirements

Developing Large Scale Hyperloop Research Infrastructures in European Research Program

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Modules: Wahlpflichtfach (Emden), Bachelor /Master thesis
Major/Field: Economics, Logistics, Technical Mgmt.
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Execution: Time and place by arrangement, group work possible, English language

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 need for new testing facilities with a focus on cargo of this new mode of transport. The aim of this project is the identification of stakeholders for cargo applications and compiling their testing needs through a questionnaire to propose new hyperloop cargo testing requirements.

Goal:

- Research testing needs for Hyperloop from use cases and feasibility studies
 - Compare requirements with existing cargo transportation modes
- Prepare questionnaire for stakeholders and industry experts
 - Interview logistics research partners
- Compile Hyperloop Cargo testing requirements
 - Acceleration, packaging, handling, requirements for different goods like edibles, industrial goods, electronics, robust and raw materials...

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: Hardt Hyperloop