



LOGISTIKUM
CHALLENGE ACCEPTED



UNIVERSITY
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DigiTrans – Freight transport in Upper Austria ‘automated – connected – mobile’

The DigiTrans project aims to probe a test region for automated and connected driving related to freight transport in the central area of Upper Austria. The test region shall build upon the requirements derived from regional industry and from regional infrastructure operators. Based on elicited requirements and demands the test region’s capabilities and a sustainable operator model are devel-

DigiTrans aims to support the establishment of a test region for modern, integrated multimodal freight mobility in the region of Linz – Wels – Steyr. In this endeavor, regional companies and freight sites for inland shipping and aviation will be included. DigiTrans especially targets at:

- a demand-oriented approach towards automating and connecting heavy duty vehicles and special-purpose vehicles
- an impact-oriented integration of logistic hubs
- the regional expansion and the usage of common infrastructures beyond Upper Austria

The conceptualization, implementation and operation of the test region will focus on the Use Case 5 of the Austrian Mobility Action plan, and addresses primarily heavy duty and special purpose applications in freight mobility. Additionally, Use Case 1 (security as cross-sectional topic) and Use Case 7 (special purpose vehicles) will be considered. To support existing and future economic growth areas of the Austrian economy, the Automobil-Cluster OÖ in close cooperation with the Austrian Institute of Technology (AIT), Logistikum Steyr der FH OÖ (FHOÖ) and the Institute for Advanced Energy Systems & Transport Applications (IESTA) have established a core team.

Funding scheme: FFG Mobilität der Zukunft – Testumgebungen für automatisiertes Fahren

Submission: 31.08.2016, 12:00, FFG

Project duration: 01.12.2016 - 31.5.2017

Funding: Up to € 200.000,-

Probing use cases according to actual needs and new mobility solutions includes aspects such as:

- Handover scenarios applying automated solutions for heavy duty vehicles in transport logistics (automated driving, entering and leaving motorways to secondary road net and transit to company sites)
- Test, implementation and optimization of cargo handling processes. In this context, transport logistic shall be supported when handing over cargo from heavy duty to special purpose vehicles;
- Automated guidance of special purpose vehicles on company sites (e.g. harbor, airports, company sites); (iv) Automated solutions for municipal logistic challenges (supply, disposal, road maintenance, etc.)



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