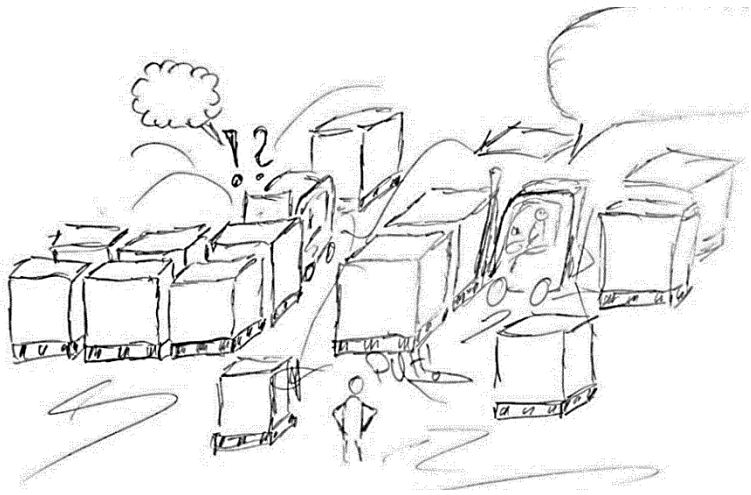
Pallet recognition via 2D/3D sensor data for a mobile robot

Filics
Future in Logistics

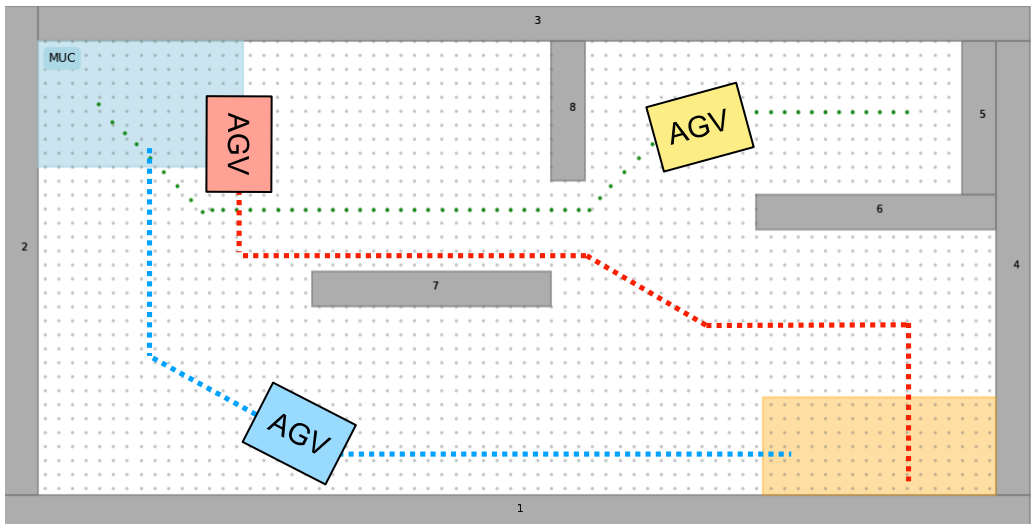
About Us:

We are an experienced team of the engineering department, which will revolutionize the **intralogistical transport process** with a new, innovative automated guided vehicle. Our goal:

We want to bring logistics to a next level!



Currently: Chaotic traffic



Vision: Structured traffic

About your IDP time at FILICS - You will …

- learn about **hardware development**
- get in touch with **prototypes** and apply your code
- take part in a highly dynamic, **ambitious start-up**
- free coffee and snacks; free working hours, performing code matters!

Select a course of TUM Entrepreneurship Research Institute

What are the IDP tasks? - Join us with your friends!

- Build up an algorithm for **the pallet recognition** and identification based on various sensor data. How exactly **can distance and orientation** be recognized?
- Use **multiple sensors** to recognize pallets **in half-covert situations**
- **Implement** the code on the prototype and optimize the algorithm **for noisy signals**
- Can you recognize the pallet **real-time while driving**?

Interested? Just send us a mail: gregor@filics.eu

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