

Task-level Collaborative Ad-hoc Autonomous Guided Vehicles (AGV) for Efficient Warehouse

Logistics

Integrative Masters Project
in
Master of Computer Science

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Abstract

This report presents ...

1 Introduction

Many warehouses use Automated Guided Vehicles (AGV) to fetch items from the storage to commission them to their regarding destination. The first AGV were deployed 1953 in X for Y [Frauenfelder, 2024](#). Since then, AGVs have been XX in many different sizes and numbers, such that they are tailored for their respective use case. For example, AMAG needs a few, large AGVs that one can transport on or two sets of tires. On the other hand, Digitec Galaxus uses a large fleet of rather small AGVs to mainly commission electronic hardware.



Figure 1: Bild 1: AMAG

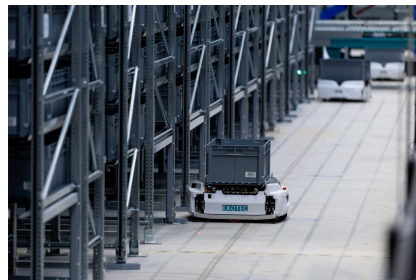


Figure 2: Bild 2: Digitec Galaxus