

AUTOANT

Factory intralogistics made greener, safer and more efficient

The **AutoANT Project** by ANT Maschinen was one of the 5 selected during the **EARASHI Open Call 1**. ANT Maschinen develops automated heavy-duty robots for yard and port operations (the ANTs). They address the issues of driver shortage, sustainability, and operational efficiency and are intended to replace conventional terminal trucks to make intralogistics more environmentally friendly and resilient. ANTs come with various types of control and the goal of AutoANT is to integrate the Flanders Make SLAM technology to enable accurate positioning for autonomous movement of robots with loads in outdoor yard environments.

CHALLENGES

Current operations with heavy loads in intralogistics face multiple challenges:

- Worker safety
- Decarbonisation
- Driver shortage
- Operational efficiency
- High costs of 24/7 operations
- Poor localised air quality
- Rising fuel costs



SOLUTIONS

ANTs address all of those challenges and more:

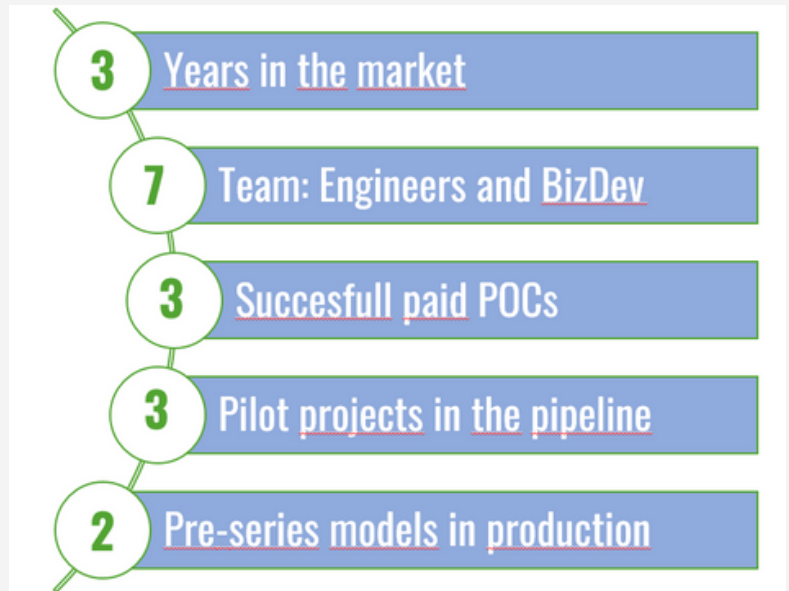
- No people near heavy loads and equipment
- Zero emissions and eco-design
- No need for certified drivers
- Lower TCO
- No extra payments for night shifts
- Better air quality
- Less dependence on fluctuating fuel costs



MAIN GOALS

-  SAFETY
-  SUSTAINABILITY
-  EFFICIENCY

KEY NUMBERS

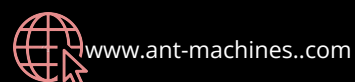


Through the **AUTOANT project**, we aim to create a safer, more secure environment in production and logistics facilities. AUTOANT will facilitate electrification of yard operations thus decreasing carbon footprint and increasing overall sustainability and resilience of the industry.



The financial backing and services support provided by the EU have been instrumental in bringing the AUTOANT project to life, facilitating the research and development of cutting-edge AI solutions and allowing for the practical implementation and testing of these technologies in real-world settings.

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