

AWARD

Digital Industry



Intelligent platform for automated warehousing and last-mile delivery

The AWARD platform increases efficiency of the logistic process from warehouse to last-mile delivery. The easy to implement solution uses intelligent planning algorithms, machine learning and smart robotics (i.e. drones and AGVs).

Logistic processes can be enhanced through automation. The AWARD platform does this by improving both the processes in a warehouse and delivery to the end customer. It provides state-of-the-art planning algorithms and a hybrid infrastructure of automated delivery by robots.

By implementing AWARD, logistics service providers can streamline their process through increased predictability and reliability, thereby saving on labor costs. For instance, buffers that are used in a warehouse for timely delivery can be reduced. All the while, customers are treated with a modern-day customer experience.



Competitive Advantages

- Self-learning planning algorithms, based on academic knowledge and machine-learning techniques
- Hybrid architecture;
 - Warehouse: smart network, 'dumb' clients: central intelligence that directs the robots and optimizes the system as a whole (as opposed to isolated optimization on the robot)
 - Last mile delivery: 'dumb' network, smart clients (drones)
- Relatively simple and cheap robots
- Easy to implement



Target Markets

- Logistics service providers
- For this year/pilot specifically: healthcare products
- The Netherlands



Status and Traction

- One pilot in 2018: niche domain of a prominent player on the Dutch logistics market
- Partners:
- Bright Cape
 - University of Trento
 - Fondazione Bruno Kessler (FBK)
 - RISE SICS
 - Budapest University of Technology and Economics (BME)



Road Map

2018

- Focus on autonomous warehouse: analyze the applicable environment, set up the architecture, define scenario(s) for demonstration, propose consecutive projects

2019

- Implement AWARD platform in other sites of logistics operator, implement AWARD platform at other logistics service providers, focus on last mile delivery



Connect



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AWARD

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