

Digital Industry StoreBot



PRODUCT LAUNCH

PARTNERS: Mcq (France), Cap Digital (France), Robotnik Automation (Spain), GIM Robotics (Finland)

StoreBot



The future of retail store operations!

Meet StoreBot, the robot that sees and analyses your store's shelves. StoreBot visualises the condition of a retail store's shelves in real time and is the key to eliminating inventory and pricing discrepancies.

StoreBot is a fully autonomous robot that navigates the aisles of a store, takes pictures of the shelves and, thanks to AI technologies, detects anomalies: out-of-stock products, misplaced items, missing price tags or wrong prices. Out-of-stock products are a major problem for retailers and suppliers alike as it is estimated that they lose €900 billion in revenue every year due to this issue.

In the future, StoreBot will perform additional tasks like re-shelving, guiding customers through the aisles, taking 360° views for online shopping. StoreBot is truly the future of retail!



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Competitive Advantages

- Fully autonomous
- Easy set-up
- High accuracy
- Immediate ROI

Target Markets

- Large Retailers (Supermarkets or Home Improvement stores)
- France, Spain, Belgium, UK

Status/ Traction

- Current pilot with Leroy Merlin (Largest Home Improvement retailer in France)
- Working with partners Robotnik for the robotics platform and CapDigital for the relationships with retailers

Road Map

2021

- StoreView (360° view of a store with possibility to shop directly via the images)

2022

- Re-shelving capability

Leveraged Technologies

Artificial intelligence is a basis for our recognition algorithm but in order to analyse a large number of products, we will first use a feature-based recognition method similar to the Bag-of-Words approach. All the reference images are analyzed to detect features and an inverted index is created. For a query image, features are detected and best matches in the index are found. In order to improve performance and robustness a neural network is trained to compute the best informative features.

Contact



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StoreBot

StoreBot is an innovation activity proudly supported by EIT Digital.

EIT Digital supports entrepreneurial teams from research and business organisations in launching new startups and new products in agile 12-month projects called innovation activities. These activities are embedded in EIT Digital's European ecosystem and receive a financial co-investment to package their technology, sign up customers and attract investors.