

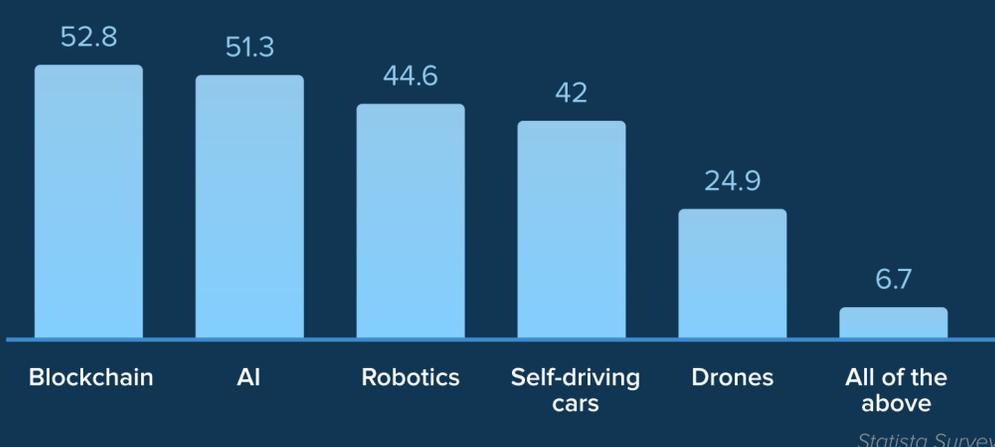
AI in Logistics

“Early adopters of AI in transportation and logistics already enjoy profit margins greater than 5%.”

The artificial intelligence in transportation market is **projected to grow** at a CAGR of **17.87%** from 2017 to 2030, and the market size is expected to grow from **\$1.21 Billion** in 2017 to **\$10.30 Billion** by 2030.

Marketsandmarkets

Disruptive Technologies in Logistics (% of respondents)



Potential Economic-Value Creation from AI in the Next 20 Years \$trn



Artificial Intelligence Use Cases and Benefits in Logistics

Robots & AI in Logistics

AI can accumulate knowledge based on human decisions, make judgments, and interact with humans. Such systems can help automate accessing shipping data, fill in some invoices and web forms, and distribute data to the right database.



Warehouse Management

The forecasting features of ML can significantly improve the warehouse management processes. AI can analyze a big data set much faster than a person and easily avoid all the mistakes humans can make.



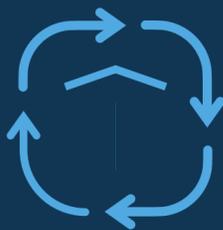
Predictive Maintenance

AI-driven systems automatically gather and analyze data about assets and will warn you about possible breakdowns. Such systems can accumulate information about failures, draw up statistics, and, based on this statistical data, schedule repairs.



Supply Chain Planning

ML can optimize your supply chain decision-making processes. Analyzing massive data sets and applying intelligent algorithms, you will balance demand and supply, and at the same time, optimize the delivery processes.



Route Optimization

AI can help you to analyze the existing routing, do the track route optimization and improve the future ones. AI-based systems can use digital and satellite maps and information about traffic to optimize routes and reduce shipping costs.



Workforce Planning

Workforce planning involves lots of processes: recruiting, retention, employee development, redeployment, performance management, etc. ML and AI solutions can automate and simplify them, and make your workforce planning strategy more efficient.



Yield Optimization

With Yield optimization, you can determine which areas of inventory are performing well and which are not. You will understand the precise elements or circumstances of these areas, exploiting them to maximize efficiency and boost your revenue.



Demand Prediction

You can use AI and ML to predict the demand or improve the demand forecasting and warehouse management. Based on the past experience, you will get a detailed analysis of all the factors which influence the demand and find valuable insights.



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