

# Artificial Intelligence in Logistics: Global Drivers, Restraints, Opportunities, Trends, and Forecasts up to 2023

<https://marketpublishers.com/r/A35D9AF8B5AEN.html>

Date: February 2018

Pages: 71

Price: US\$ 3,500.00 (Single User License)

ID: A35D9AF8B5AEN

## Abstracts

### Overview:

The logistics vertical is undergoing a fundamental transformation with the increase in the amount of data and the number of devices utilized, reduction in costs to maintain the competitiveness, and urge to maintain the required stock levels, (staged and in-transit) to ensure on time delivery and shortages. All this requires some level of automation in the supply chain to allow for timely decision making.

Artificial Intelligence is in a nascent stage in logistics but is expected to grow at a rapid pace. It is expected to remould the logistics industry with high level of automation in manufacturing, logistics, warehousing and last mile delivery. Machine and human collaboration will enable smart order picking in logistics and smart glasses will enable smart hands-free operations. Automated vehicles and drones are expected to change the paradigm of the logistics industry.

### Market Analysis:

The companies are increasingly testing Artificial Intelligence in Logistics to improve on the last mile delivery, reduce the time to go to market, and provide for the required customization to customers. As per Infoholic Research, the Artificial Intelligence market in logistics is predicted to grow at a CAGR of 42.9% over 2017-2023 to reach \$6.5 billion by 2023.

The market is analysed by application, vertical, region, and mode of transport.

### Market Segmentation Analysis:

The market has been segmented on the basis of applications in logistics including automation of processes, planning and forecasting, machine and human collaboration, self driven forklifts, self driven vehicles, etc. Self driven vehicles and self driven forklifts occupy the maximum share at present and autonomous vehicles are expected to gain maximum traction in future.

On the basis of modes of transport, roadways is expected to embrace AI the maximum, followed by railways, seaways, and airways.

### Countries and Vertical Analysis:

The countries covered in report are US, Canada, UK, Germany, France, Nordics, Benelux, China, India. Among these US and China are expected to grow at a higher CAGR through the forecast period 2017-2023. The popular use case/verticals for the AI in logistics are food, pharma, retail, manufacturing, automotive, and others. Several logistics players are testing these technologies to gain an upper edge in the market and improve on the last mile delivery.

### Benefits and Vendors

The report contains an in-depth analysis of vendor profiles, which include financial health, business units, key business priorities, SWOT, strategy, and views; and competitive landscape. Companies analysed in the report are Amazon, Google, IBM, and Microsoft. Apart from that several start ups that are focussing specifically on AI in logistics have been analysed.

The study offers a comprehensive analysis of the “AI in Logistics”. Bringing out the complete key insights of the industry, the report aims to provide an opportunity for players to understand the latest trends, current market scenario, government initiatives, and technologies related to the market. In addition, it helps the venture capitalist in understanding the companies better and take informed decisions.

## Contents

### 1 INDUSTRY OUTLOOK

- 1.1 Industry Overview
- 1.2 Industry Trends

### 2 REPORT OUTLINE

- 2.1 Report Scope
- 2.2 Report Summary
- 2.3 Research Methodology
- 2.4 Report Assumptions

### 3 MARKET SNAPSHOT

- 3.1 Total Addressable Market (TAM)
- 3.2 Segmented Addressable Market (SAM)
- 3.3 Related Markets

### 4 MARKET OUTLOOK

- 4.1 Overview
- 4.2 Regulatory Bodies & Standards
- 4.3 Government Spending and Initiatives
- 4.4 Porter 5 (Five) Forces

### 5 MARKET CHARACTERISTICS

- 5.1 Market Segmentation
- 5.2 Market Dynamics
  - 5.2.1 Drivers
    - 5.2.1.1 Need for on-time deliveries and instant go to market timings
    - 5.2.1.2 Growing demand for convenience and safety
    - 5.2.1.3 Increased acceptance and implementation of autonomous vehicles
    - 5.2.1.4 Digitization of logistics leading to hyper customization
  - 5.2.2 Restraints
    - 5.2.2.1 Compliance with privacy and data security regulations
    - 5.2.2.2 Increased automation will lead to job losses and can create social tensions

- 5.2.2.3 Shortage of industry standards
- 5.2.3 Opportunities
  - 5.2.3.1 Growing amount of data in logistics
  - 5.2.3.2 5.2.3.2 Growth of assisted driving
- 5.3 DRO – Impact Analysis

## **6 TRENDS, ROADMAP, AND PROJECTS**

- 6.1 Market Trends & Impact
  - 6.1.1 Cloud Hosted Intelligence
  - 6.1.2 Growing Demand for Customization
  - 6.1.3 Multiple collaborations across the supply chain
- 6.2 Technology Roadmap

## **7 AI IN LOGISTICS MARKET BY APPLICATION: MARKET SIZE & ANALYSIS**

- 7.1 Overview
- 7.2 Automation of Ordering and Processing
- 7.3 Planning and Forecasting
- 7.4 Machine and Human Collaboration
- 7.5 Self-driving Vehicles
- 7.6 Self-driving Forklifts
- 7.7 Others

## **8 LOGISTICS BY VERTICALS: MARKET SIZE & ANALYSIS**

- 8.1 Overview
- 8.2 Food
- 8.3 Pharma
- 8.4 Retail
- 8.5 Manufacturing
- 8.6 Automotive
- 8.7 Others

## **9 GEOGRAPHY: MARKET SIZE & ANALYSIS**

- 9.1 North America
  - 9.1.1 US
  - 9.1.2 Canada

## 9.2 Europe

### 9.2.1 Overview

### 9.2.2 UK

### 9.2.3 Germany

### 9.2.4 France

### 9.2.5 Nordics

### 9.2.6 Benelux

### 9.2.7 Rest of Europe

## 9.3 Asia Pacific

### 9.3.1 Overview

### 9.3.2 China

### 9.3.3 India

### 9.3.4 Rest of APAC

## 9.4 Latin America

## 9.5 Middle East & Africa

# **10 MODE OF TRANSPORT: MARKET SIZE & ANALYSIS**

## 10.1 Overview

## 10.2 Roadways

## 10.3 Railways

## 10.4 Seaways

## 10.5 Airways

# **11 VENDOR PROFILE**

## 11.1 IBM

### 11.1.1 Overview

### 11.1.2 Business Unit

### 11.1.3 Business Segments

### 11.1.4 Financial Performance

### 11.1.5 Geographic Revenue

### 11.1.6 IBM and AI in Logistics Market

### 11.1.7 SWOT Analysis

### 11.1.8 Business Strategies

## 11.2 Google

### 11.2.1 Overview

### 11.2.2 Business Unit

### 11.2.3 Business Segments

- 11.2.4 Financial Performance
- 11.2.5 Geographic Revenue
- 11.2.6 Google and AI in Logistics
- 11.2.7 SWOT Analysis
- 11.2.8 Business Strategies
- 11.3 Microsoft
  - 11.3.1 Overview
  - 11.3.2 Business Unit
  - 11.3.3 Business Segments
  - 11.3.4 Financial Performance
  - 11.3.5 Geographic Revenue
  - 11.3.6 Microsoft and AI in Logistics
  - 11.3.7 SWOT Analysis
  - 11.3.8 Business Strategies
- 11.4 Amazon
  - 11.4.1 Overview
  - 11.4.2 Business Units
  - 11.4.3 Financial Performance
  - 11.4.4 Geographic Revenue
  - 11.4.5 Amazon and AI in Logistics
  - 11.4.6 SWOT Analysis
  - 11.4.7 Business Strategies

## **12 COMPANIES TO WATCH FOR**

- 12.1 TransVoyant
  - 12.1.1 Overview
  - 12.1.2 AI Offerings
- 12.2 ActiveScalar
  - 12.2.1 Overview
  - 12.2.2 AI Offerings
- 12.3 Pluto 7
  - 12.3.1 Overview
  - 12.3.2 AI Offerings
- 12.4 Yojee
  - 12.4.1 Overview
  - 12.4.2 AI Offerings
- 12.5 Teknowlogi
  - 12.5.1 Overview

## 12.5.2 AI Offerings

## 13 EXPERT'S VIEWS

Annexure

? Abbreviations

Tables

Table 1 AI IN LOGISTICS MARKET REVENUE BY APPLICATION, 2017-2023 (\$BILLION)

Table 2 AI LOGISTICS MARKET REVENUE BY VERTICAL, 2017-2023 (\$BILLION)

Table 3 AI IN LOGISTICS MARKET REVENUE BY COUNTRIES, 2017-2023 (\$BILLION)

Table 4 AI LOGISTICS MARKET REVENUE BY COUNTRIES, 2017-2023 (\$BILLION)

Table 5 AI LOGISTICS MARKET REVENUE BY COUNTRIES, 2017-2023 (\$BILLION)

Table 6 AI LOGISTICS MARKET REVENUE BY TRANSPORT, 2017-2023 (\$BILLION)

?

Charts

Chart 1 PEST ANALYSIS OF AI IN LOGISTICS

Chart 2 RESEARCH METHODOLOGY

Chart 3 AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 4 PORTER 5 FORCES ON AI IN LOGISTICS MARKET

Chart 5 AI IN LOGISTICS MARKET SEGMENTATION

Chart 6 MARKET DYNAMICS – DRIVERS, RESTRAINTS, AND OPPORTUNITIES

Chart 7 DRO - IMPACT ANALYSIS OF AI IN LOGISTICS MARKET

Chart 8 TECHNOLOGY ROADMAP FOR AI IN LOGISTICS MARKET

Chart 9 AI IN AUTOMATION OF ORDERING & PROCESSING MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 10 AI IN PLANNING & FORECASTING MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 11 AI IN MACHINE AND HUMAN COLLABORATION MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 12 AI IN SELF-DRIVING VEHICLES MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 13 AI IN SELF-DRIVING FORKLIFTS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 14 OTHER APPLICATIONS OF AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 15 AI IN LOGISTICS IN FOOD MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 16 AI IN LOGISTICS IN PHARMA MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 17 AI IN LOGISTICS IN RETAIL MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 18 AI IN LOGISTICS IN MANUFACTURING MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 19 AI IN LOGISTICS IN AUTOMOTIVE MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 20 AI IN LOGISTICS IN OTHER MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 21 NORTH AMERICA AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 22 US AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 23 CANADA AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 24 EUROPE AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 25 UK AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 26 GERMANY AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 27 FRANCE AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 28 NORDICS AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 29 BENELUX AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 30 REST OF EUROPE AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 31 ASIA PACIFIC AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 32 CHINA AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 33 INDIA AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 34 REST OF APAC AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 35 LATIN AMERICA AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 36 MIDDLE EAST & AFRICA AI IN LOGISTICS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 37 AI APPLICATION IN ROADWAYS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 38 AI APPLICATION IN RAILWAYS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 39 AI APPLICATION IN SEAWAYS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 40 AI APPLICATION IN AIRWAYS MARKET REVENUE, 2017-2023 (\$BILLION)

Chart 41 IBM: OVERVIEW SNAPSHOT

Chart 42 IBM: BUSINESS UNITS

Chart 43 IBM: GEOGRAPHIC REVENUE



Chart 44 IBM: SWOT ANALYSIS  
Chart 45 GOOGLE: OVERVIEW SNAPSHOT  
Chart 46 GOOGLE: BUSINESS UNITS  
Chart 47 GOOGLE: GEOGRAPHIC REVENUE  
Chart 48 GOOGLE: SWOT ANALYSIS  
Chart 50 MICROSOFT: BUSINESS UNITS  
Chart 51 MICROSOFT: GEOGRAPHIC REVENUE  
Chart 52 MICROSOFT: SWOT ANALYSIS  
Chart 54 AMAZON: GEOGRAPHIC REVENUE  
Chart 55 AMAZON: SWOT ANALYSIS

## I would like to order

Product name: Artificial Intelligence in Logistics: Global Drivers, Restraints, Opportunities, Trends, and Forecasts up to 2023

Product link: <https://marketpublishers.com/r/A35D9AF8B5AEN.html>

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A35D9AF8B5AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

