

# **Europe Automated Guided Vehicle Market By Component (Hardware, Software and Services) By type (Tow Vehicle, Pallet Truck, Unit Load Carrier, Hybrid Vehicles and Forklift Truck & Others) By Navigation Technology (Laser Guidance, Vision Guidance, Magnetic Guidance, Inductive Guidance and Natural Navigation & Others) By Application (Logistics & Warehousing, Assembly, Packaging, Trailer Loading & Unloading and Raw Material Handling & Others) By End User (Automotive, Manufacturing, Logistics, Food & Beverages, Retail, Healthcare and Others) By Country, Industry Analysis and Forecast, 2019 - 2025**

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## **Abstracts**

The Europe Automated Guided Vehicle Market would witness market growth of 12.9% CAGR during the forecast period (2019-2025).

The increased adoption of AGVs across different industries can be related to the benefits of AGVs in terms of productivity, safety, and accuracy. AGVs are equipped with cameras, laser heads and other sensors that help them operate safely around machines, structures and employees. While workers can make mistakes that lead to accidents and mishaps in manufacturing or distribution facilities, AGVs can help improve the accuracy of workflows, thus reducing waste and increasing productivity.

Aerospace and defense production facilities tend to be enormous due to the size of parts such as nacelles, fuselages, engine pods, and wings. Nevertheless, the routes through which these components are passed within the facility appear to be narrow. Natural errors, when moving heavy elements through such narrow paths, may lead to mishaps and accidents. Aerospace and defense companies deploy AGVs so that heavy parts can be transported within the facility on predefined routes and human errors can be prevented.

Many manufacturing plants and warehouses deploy material handling equipment for a variety of activities, such as finding stock, receiving orders, and moving goods and raw materials. Transportation and logistics companies focus mainly on deploying this equipment in order to increase the efficiency of their operations in line with the increasing demand for their services. The AGV market is experiencing a gradual shift from lead-acid batteries to lithium-ion batteries.

Based on Component, the market is segmented into Hardware, Software and Services. Based on type, the market is segmented into Tow Vehicle, Pallet Truck, Unit Load Carrier, Hybrid Vehicles and Forklift Truck & Others. Based on Navigation Technology, the market is segmented into Laser Guidance, Vision Guidance, Magnetic Guidance, Inductive Guidance and Natural Navigation & Others. Based on Application, the market is segmented into Logistics & Warehousing, Assembly, Packaging, Trailer Loading & Unloading and Raw Material Handling & Others. Based on End User, the market is segmented into Automotive, Manufacturing, Logistics, Food & Beverages, Retail, Healthcare and Others. Based on countries, the market is segmented into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include ABB Group, Kion Group (Dematic), Toyota Industries Corporation (Bastian Solutions LLC), Daifuku Co., Limited, John Bean Technologies Corporation, Oceaneering International, Inc., Kuka AG (Swisslog Holding), Hyster-Yale Materials Handling, Inc., E&K Automation GmbH, and The Krones Group.

Scope of the Study

Market Segmentation:

By Component

Hardware

Software

Services

## By Type

Tow Vehicle

Pallet Truck

Unit Load Carrier

Hybrid Vehicles

Forklift Truck & Others

## By Navigation Technology

Laser Guidance

Vision Guidance

Magnetic Guidance

Inductive Guidance

Natural Navigation & Others

## By Application

Logistics & Warehousing

Assembly

Packaging

Trailer Loading and Unloading

Raw Material Handling & Others

#### By End User

Automotive

Manufacturing

Logistics

Food & Beverages

Retail

Healthcare

Others

#### By Country

Germany

UK

France

Russia

Spain

Italy

Rest of Europe

## Companies Profiled

ABB Group

Kion Group (Dematic)

Toyota Industries Corporation (Bastian Solutions LLC)

Daifuku Co., Limited

John Bean Technologies Corporation

Oceaneering International, Inc.

Kuka AG (Swisslog Holding)

Hyster-Yale Materials Handling, Inc.

E&K Automation GmbH

The Krones Group

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## Contents

### CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
  - 1.4.1 Europe Automated Guided Vehicle Market, by Component
  - 1.4.2 Europe Automated Guided Vehicle Market, by Type
  - 1.4.3 Europe Automated Guided Vehicle Market, by Navigation Technology
  - 1.4.4 Europe Automated Guided Vehicle Market, by Application
  - 1.4.5 Europe Automated Guided Vehicle Market, by End User
  - 1.4.6 Europe Automated Guided Vehicle Market, by Country
- 1.5 Methodology for the research

### CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
  - 2.1.1 Overview
  - 2.1.2 Executive Summary
  - 2.1.3 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
  - 2.2.1 Market Drivers
  - 2.2.2 Market Restraints

### CHAPTER 3. COMPETITION ANALYSIS - GLOBAL

- 3.1 KBV Cardinal Matrix
- 3.2 Recent Industry Wide Strategic Developments
  - 3.2.1 Partnerships, Collaborations and Agreements
  - 3.2.2 Product Launches and Product Expansions
  - 3.2.3 Geographical Expansions
  - 3.2.4 Mergers & Acquisitions
- 3.3 Top Winning Strategies
  - 3.3.1 Key Leading Strategies: Percentage Distribution (2015-2019)
  - 3.3.2 Key Strategic Move: (Acquisition and Mergers: 2020-Jan – 2015-May) Leading Players

## **CHAPTER 4. EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT**

- 4.1 Europe Automated Guided Vehicle (AGV) Hardware Market by Country
- 4.2 Europe Automated Guided Vehicle (AGV) Software Market by Country
- 4.3 Europe Automated Guided Vehicle (AGV) Services Market by Country

## **CHAPTER 5. EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE**

- 5.1 Europe Tow Vehicle Automated Guided Vehicle (AGV) Market by Country
- 5.2 Europe Pallet Truck Automated Guided Vehicle (AGV) Market by Country
- 5.3 Europe Unit Load Carrier Automated Guided Vehicle (AGV) Market by Country
- 5.4 Europe Hybrid Vehicles Automated Guided Vehicle (AGV) Market by Country
- 5.5 Europe Forklift Truck & Others Type Automated Guided Vehicle (AGV) Market by Country

## **CHAPTER 6. EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY**

- 6.1 Europe Laser Guidance Automated Guided Vehicle (AGV) Market by Country
- 6.2 Europe Vision Guidance Automated Guided Vehicle (AGV) Market by Country
- 6.3 Europe Magnetic Guidance Automated Guided Vehicle (AGV) Market by Country
- 6.4 Europe Inductive Guidance Automated Guided Vehicle (AGV) Market by Country
- 6.5 Europe Natural Navigation & Others Automated Guided Vehicle (AGV) Market by Country

## **CHAPTER 7. EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION**

- 7.1 Europe Logistics & Warehousing Automated Guided Vehicle (AGV) Market by Country
- 7.2 Europe Assembly Automated Guided Vehicle (AGV) Market by Country
- 7.3 Europe Packaging Automated Guided Vehicle (AGV) Market by Country
- 7.4 Europe Trailer Loading and Unloading Automated Guided Vehicle (AGV) Market by Country
- 7.5 Europe Raw Material Handling & Others Automated Guided Vehicle (AGV) Market by Country

## **CHAPTER 8. EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END**

## USER

- 8.1 Europe Automotive Automated Guided Vehicle (AGV) Market by Country
- 8.2 Europe Manufacturing Automated Guided Vehicle (AGV) Market by Country
- 8.3 Europe Logistics Automated Guided Vehicle (AGV) Market by Country
- 8.4 Europe Food & Beverages Automated Guided Vehicle (AGV) Market by Country
- 8.5 Europe Retail Automated Guided Vehicle (AGV) Market by Country
- 8.6 Europe Healthcare Automated Guided Vehicle (AGV) Market by Country
- 8.7 Europe Others Automated Guided Vehicle (AGV) Market by Country

## CHAPTER 9. EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY

- 9.1 Germany Automated Guided Vehicle (AGV) Market
  - 9.1.1 Germany Automated Guided Vehicle (AGV) Market by Component
  - 9.1.2 Germany Automated Guided Vehicle (AGV) Market by Type
  - 9.1.3 Germany Automated Guided Vehicle (AGV) Market by Navigation Technology
  - 9.1.4 Germany Automated Guided Vehicle (AGV) Market by Application
  - 9.1.5 Germany Automated Guided Vehicle (AGV) Market by End User
- 9.2 UK Automated Guided Vehicle (AGV) Market
  - 9.2.1 UK Automated Guided Vehicle (AGV) Market by Component
  - 9.2.2 UK Automated Guided Vehicle (AGV) Market by Type
  - 9.2.3 UK Automated Guided Vehicle (AGV) Market by Navigation Technology
  - 9.2.4 UK Automated Guided Vehicle (AGV) Market by Application
  - 9.2.5 UK Automated Guided Vehicle (AGV) Market by End User
- 9.3 France Automated Guided Vehicle (AGV) Market
  - 9.3.1 France Automated Guided Vehicle (AGV) Market by Component
  - 9.3.2 France Automated Guided Vehicle (AGV) Market by Type
  - 9.3.3 France Automated Guided Vehicle (AGV) Market by Navigation Technology
  - 9.3.4 France Automated Guided Vehicle (AGV) Market by Application
  - 9.3.5 France Automated Guided Vehicle (AGV) Market by End User
- 9.4 Russia Automated Guided Vehicle (AGV) Market
  - 9.4.1 Russia Automated Guided Vehicle (AGV) Market by Component
  - 9.4.2 Russia Automated Guided Vehicle (AGV) Market by Type
  - 9.4.3 Russia Automated Guided Vehicle (AGV) Market by Navigation Technology
  - 9.4.4 Russia Automated Guided Vehicle (AGV) Market by Application
  - 9.4.5 Russia Automated Guided Vehicle (AGV) Market by End User
- 9.5 Spain Automated Guided Vehicle (AGV) Market
  - 9.5.1 Spain Automated Guided Vehicle (AGV) Market by Component



- 9.5.2 Spain Automated Guided Vehicle (AGV) Market by Type
- 9.5.3 Spain Automated Guided Vehicle (AGV) Market by Navigation Technology
- 9.5.4 Spain Automated Guided Vehicle (AGV) Market by Application
- 9.5.5 Spain Automated Guided Vehicle (AGV) Market by End User
- 9.6 Italy Automated Guided Vehicle (AGV) Market
  - 9.6.1 Italy Automated Guided Vehicle (AGV) Market by Component
  - 9.6.2 Italy Automated Guided Vehicle (AGV) Market by Type
  - 9.6.3 Italy Automated Guided Vehicle (AGV) Market by Navigation Technology
  - 9.6.4 Italy Automated Guided Vehicle (AGV) Market by Application
  - 9.6.5 Italy Automated Guided Vehicle (AGV) Market by End User
- 9.7 Rest of Europe Automated Guided Vehicle (AGV) Market
  - 9.7.1 Rest of Europe Automated Guided Vehicle (AGV) Market by Component
  - 9.7.2 Rest of Europe Automated Guided Vehicle (AGV) Market by Type
  - 9.7.3 Rest of Europe Automated Guided Vehicle (AGV) Market by Navigation Technology
  - 9.7.4 Rest of Europe Automated Guided Vehicle (AGV) Market by Application
  - 9.7.5 Rest of Europe Automated Guided Vehicle (AGV) Market by End User

## **CHAPTER 10. COMPANY PROFILES**

- 10.1 ABB Group
  - 10.1.1 Company Overview
  - 10.1.2 Financial Analysis
  - 10.1.3 Segmental and Regional Analysis
  - 10.1.4 Research & Development Expense
  - 10.1.5 Recent strategies and developments:
    - 10.1.5.1 Acquisitions and mergers:
    - 10.1.5.2 Partnerships, Collaborations, and Agreements:
    - 10.1.5.3 Geographical Expansions:
  - 10.1.6 SWOT Analysis
- 10.2 Kion Group (Dematic)
  - 10.2.1 Company Overview
  - 10.2.2 Financial Analysis
  - 10.2.3 Segmental and Regional Analysis
  - 10.2.4 Research & Development Expense
  - 10.2.5 Recent strategies and developments:
    - 10.2.5.1 Acquisitions and mergers:
    - 10.2.5.2 Partnerships, Collaborations, and Agreements:
  - 10.2.6 SWOT Analysis

### 10.3 Toyota Industries Corporation (Bastian Solutions LLC)

#### 10.3.1 Company Overview

#### 10.3.2 Financial Analysis

#### 10.3.3 Segmental and Regional Analysis

#### 10.3.4 Research & Development Expense

#### 10.3.5 Recent strategies and developments:

##### 10.3.5.1 Acquisitions and mergers:

##### 10.3.5.2 Product Launches and Product Expansions:

#### 10.3.6 SWOT Analysis

### 10.4 Daifuku Co., Limited

#### 10.4.1 Company Overview

#### 10.4.2 Financial Analysis

#### 10.4.3 Segmental and Regional Analysis

#### 10.4.4 Research & Development Expense

#### 10.4.5 Recent strategies and developments:

##### 10.4.5.1 Partnerships, Collaborations, and Agreements:

##### 10.4.5.2 Acquisitions and mergers:

### 10.5 John Bean Technologies Corporation

#### 10.5.1 Company Overview

#### 10.5.2 Financial Analysis

#### 10.5.3 Regional & Segmental Analysis

#### 10.5.4 Research & Development Expenses

#### 10.5.5 Recent strategies and developments:

##### 10.5.5.1 Partnerships, Collaborations, and Agreements:

##### 10.5.5.2 Acquisitions and mergers:

##### 10.5.5.3 Product Launches and Product Expansions:

### 10.6 Oceaneering International, Inc.

#### 10.6.1 Company Overview

#### 10.6.2 Financial Analysis

#### 10.6.3 Segmental and Regional Analysis

#### 10.6.4 Recent strategies and developments:

##### 10.6.4.1 Product Launches and Product Expansions:

### 10.7 Kuka AG (Swisslog Holding)

#### 10.7.1 Company Overview

#### 10.7.2 Financial Analysis

#### 10.7.3 Segmental and Regional Analysis

#### 10.7.4 Research & Development Expenses

#### 10.7.5 Recent strategies and developments:

##### 10.7.5.1 Partnerships, Collaborations, and Agreements:

- 10.7.5.2 Geographical Expansions:
- 10.8 Hyster-Yale Materials Handling, Inc.
  - 10.8.1 Company Overview
  - 10.8.2 Financial Analysis
  - 10.8.3 Segmental and Regional Analysis
  - 10.8.4 Recent strategies and developments:
    - 10.8.4.1 Partnerships, Collaborations, and Agreements:
    - 10.8.4.2 Acquisitions and mergers:
- 10.9 E&K Automation GmbH
  - 10.9.1 Company Overview
- 10.1 The Krones Group
  - 10.10.1 Company Overview
  - 10.10.2 Financial Analysis
  - 10.10.3 Segmental and Regional Analysis
  - 10.10.4 Research & Development Expense
  - 10.10.5 Recent strategies and developments:
    - 10.10.5.1 Acquisitions and mergers:
  - 10.10.6 SWOT Analysis

## List Of Tables

### LIST OF TABLES

TABLE 1 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 2 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 3 PARTNERSHIPS, COLLABORATIONS AND AGREEMENTS– AUTOMATED GUIDED VEHICLE MARKET

TABLE 4 PRODUCT LAUNCHES AND PRODUCT EXPANSIONS– AUTOMATED GUIDED VEHICLE MARKET

TABLE 5 GEOGRAPHICAL EXPANSIONS– AUTOMATED GUIDED VEHICLE MARKET

TABLE 6 MERGERS & ACQUISITIONS – AUTOMATED GUIDED VEHICLE MARKET

TABLE 7 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 8 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION

TABLE 9 EUROPE AUTOMATED GUIDED VEHICLE (AGV) HARDWARE MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 10 EUROPE AUTOMATED GUIDED VEHICLE (AGV) HARDWARE MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 11 EUROPE AUTOMATED GUIDED VEHICLE (AGV) SOFTWARE MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 12 EUROPE AUTOMATED GUIDED VEHICLE (AGV) SOFTWARE MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 13 EUROPE AUTOMATED GUIDED VEHICLE (AGV) SERVICES MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 14 EUROPE AUTOMATED GUIDED VEHICLE (AGV) SERVICES MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 15 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 16 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 17 EUROPE TOW VEHICLE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 18 EUROPE TOW VEHICLE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 19 EUROPE PALLET TRUCK AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 20 EUROPE PALLET TRUCK AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 21 EUROPE UNIT LOAD CARRIER AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 22 EUROPE UNIT LOAD CARRIER AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 23 EUROPE HYBRID VEHICLES AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 24 EUROPE HYBRID VEHICLES AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 25 EUROPE FORKLIFT TRUCK & OTHERS TYPE AUTOMATED GUIDED  
VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 26 EUROPE FORKLIFT TRUCK & OTHERS TYPE AUTOMATED GUIDED  
VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 27 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 28 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 29 EUROPE LASER GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 30 EUROPE LASER GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 31 EUROPE VISION GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 32 EUROPE VISION GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 33 EUROPE MAGNETIC GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 34 EUROPE MAGNETIC GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 35 EUROPE INDUCTIVE GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 36 EUROPE INDUCTIVE GUIDANCE AUTOMATED GUIDED VEHICLE (AGV)  
MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 37 EUROPE NATURAL NAVIGATION & OTHERS AUTOMATED GUIDED  
VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 38 EUROPE NATURAL NAVIGATION & OTHERS AUTOMATED GUIDED

VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 39 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 40 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 41 EUROPE LOGISTICS & WAREHOUSING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 42 EUROPE LOGISTICS & WAREHOUSING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 43 EUROPE ASSEMBLY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 44 EUROPE ASSEMBLY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 45 EUROPE PACKAGING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 46 EUROPE PACKAGING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 47 EUROPE TRAILER LOADING AND UNLOADING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 48 EUROPE TRAILER LOADING AND UNLOADING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 49 EUROPE RAW MATERIAL HANDLING & OTHERS AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 50 EUROPE RAW MATERIAL HANDLING & OTHERS AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 51 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 52 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 53 EUROPE AUTOMOTIVE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 54 EUROPE AUTOMOTIVE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 55 EUROPE MANUFACTURING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 56 EUROPE MANUFACTURING AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 57 EUROPE LOGISTICS AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION



TABLE 58 EUROPE LOGISTICS AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 59 EUROPE FOOD & BEVERAGES AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 60 EUROPE FOOD & BEVERAGES AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 61 EUROPE RETAIL AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 62 EUROPE RETAIL AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 63 EUROPE HEALTHCARE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 64 EUROPE HEALTHCARE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 65 EUROPE OTHERS AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 66 EUROPE OTHERS AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 67 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 68 EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 69 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 70 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 71 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 72 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION

TABLE 73 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 74 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 75 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 76 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 77 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY

APPLICATION, 2015 - 2018, USD MILLION

TABLE 78 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 79 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 80 GERMANY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 81 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 82 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 83 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 84 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION

TABLE 85 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 86 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 87 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 88 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 89 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 90 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 91 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 92 UK AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 93 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 94 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 95 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 96 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION



TABLE 97 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 98 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 99 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 100 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 101 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 102 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 103 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 104 FRANCE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 105 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 106 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 107 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 108 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION

TABLE 109 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 110 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 111 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 112 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 113 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 114 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 115 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 116 RUSSIA AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END

USER, 2019 - 2025, USD MILLION

TABLE 117 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 118 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 119 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 120 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION

TABLE 121 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 122 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 123 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 124 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 125 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 126 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 127 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 128 SPAIN AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 129 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2015 - 2018, USD MILLION

TABLE 130 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET, 2019 - 2025, USD MILLION

TABLE 131 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2015 - 2018, USD MILLION

TABLE 132 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY COMPONENT, 2019 - 2025, USD MILLION

TABLE 133 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 134 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 135 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 136 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 137 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
APPLICATION, 2015 - 2018, USD MILLION

TABLE 138 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
APPLICATION, 2019 - 2025, USD MILLION

TABLE 139 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER,  
2015 - 2018, USD MILLION

TABLE 140 ITALY AUTOMATED GUIDED VEHICLE (AGV) MARKET BY END USER,  
2019 - 2025, USD MILLION

TABLE 141 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET,  
2015 - 2018, USD MILLION

TABLE 142 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET,  
2019 - 2025, USD MILLION

TABLE 143 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
COMPONENT, 2015 - 2018, USD MILLION

TABLE 144 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
COMPONENT, 2019 - 2025, USD MILLION

TABLE 145 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
TYPE, 2015 - 2018, USD MILLION

TABLE 146 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
TYPE, 2019 - 2025, USD MILLION

TABLE 147 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
NAVIGATION TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 148 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
NAVIGATION TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 149 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
APPLICATION, 2015 - 2018, USD MILLION

TABLE 150 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
APPLICATION, 2019 - 2025, USD MILLION

TABLE 151 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
END USER, 2015 - 2018, USD MILLION

TABLE 152 REST OF EUROPE AUTOMATED GUIDED VEHICLE (AGV) MARKET BY  
END USER, 2019 - 2025, USD MILLION

TABLE 153 KEY INFORMATION – ABB GROUP

TABLE 154 KEY INFORMATION – KION GROUP

TABLE 155 KEY INFORMATION – TOYOTA INDUSTRIES CORPORATION

TABLE 156 KEY INFORMATION – DAIFUKU CO., LIMITED

TABLE 157 KEY INFORMATION – JOHN BEAN TECHNOLOGIES CORPORATION

TABLE 158 KEY INFORMATION – OCEANEERING INTERNATIONAL, INC.

TABLE 159 KEY INFORMATION – KUKA AG

TABLE 160 KEY INFORMATION – HYSTER-YALE MATERIALS HANDLING, INC.

TABLE 161 KEY INFORMATION – E&K AUTOMATION GMBH

TABLE 162 KEY INFORMATION –THE KRONES GROUP

## List Of Figures

### LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

FIG 2 KBV CARDINAL MATRIX

FIG 3 KEY LEADING STRATEGIES: PERCENTAGE DISTRIBUTION (2015-2019)

FIG 4 KEY STRATEGIC MOVE: (ACQUISITION AND MERGERS: 2020-JAN – 2015-MAY) LEADING PLAYERS

FIG 5 RECENT STRATEGIES AND DEVELOPMENTS: ABB GROUP

FIG 6 SWOT ANALYSIS: ABB GROUP

FIG 7 RECENT STRATEGIES AND DEVELOPMENTS: KION GROUP

FIG 8 SWOT ANALYSIS: KION GROUP

FIG 9 RECENT STRATEGIES AND DEVELOPMENTS: TOYOTA INDUSTRIES CORPORATION

FIG 10 SWOT ANALYSIS: TOYOTA INDUSTRIES CORPORATION

FIG 11 RECENT STRATEGIES AND DEVELOPMENTS: JOHN BEAN TECHNOLOGIES CORPORATION

FIG 12 RECENT STRATEGIES AND DEVELOPMENTS: KUKA AG (SWISSLOG HOLDING)

FIG 13 SWOT ANALYSIS: THE KRONES GROUP

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