

# Global Automotive Hardware-in-the-Loop (HIL) Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/GCB4DFE9FF55EN.html>

Date: September 2024

Pages: 134

Price: US\$ 3,200.00 (Single User License)

ID: GCB4DFE9FF55EN

## Abstracts

### Report Overview:

Hardware-in-the-loop simulation (HIL) is a development and testing technique for real-time embedded systems. Hardware-in-the-loop simulation provides a dynamic system model, which can simulate a real system environment, add mathematical representation of relevant dynamic systems, and connect it with a simulation system platform through input and output of the embedded system. HIL systems provide an effective platform, which can reduce the complexity of plant and control test platforms. HIL technology provides high-quality output and reduces the cost involved and time required, so it is widely preferred in many applications (such as aerospace, automotive, etc.).

The Global Automotive Hardware-in-the-Loop (HIL) Market Size was estimated at USD 570.67 million in 2023 and is projected to reach USD 814.11 million by 2029, exhibiting a CAGR of 6.10% during the forecast period.

This report provides a deep insight into the global Automotive Hardware-in-the-Loop (HIL) market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Automotive Hardware-in-the-Loop (HIL) Market; this report introduces in detail

the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Automotive Hardware-in-the-Loop (HIL) market in any manner.

## Global Automotive Hardware-in-the-Loop (HIL) Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

### Key Company

dSPACE GmbH

National Instruments

Vector Informatik

ETAS

Ipg Automotive GmbH

MicroNova AG

Opal-RT Technologies

HiRain Technologies

Eontronix

LHP Engineering Solutions

Speedgoat GmbH

Huawei Technologies

Market Segmentation (by Type)

System

Service

Market Segmentation (by Application)

Powertrain

Three New Energy Sources

Body Electronics

Intelligent Drive

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Automotive Hardware-in-the-Loop (HIL) Market

Overview of the regional outlook of the Automotive Hardware-in-the-Loop (HIL) Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the

region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product

type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Automotive Hardware-in-the-Loop (HIL) Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Automotive Hardware-in-the-Loop (HIL)
- 1.2 Key Market Segments
  - 1.2.1 Automotive Hardware-in-the-Loop (HIL) Segment by Type
  - 1.2.2 Automotive Hardware-in-the-Loop (HIL) Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats
- 1.4 Key Data of Global Auto Market
  - 1.4.1 Global Automobile Production by Country
  - 1.4.2 Global Automobile Production by Type

### **2 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Automotive Hardware-in-the-Loop (HIL) Market Size (M USD) Estimates and Forecasts (2019-2030)
  - 2.1.2 Global Automotive Hardware-in-the-Loop (HIL) Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET COMPETITIVE LANDSCAPE**

- 3.1 Global Automotive Hardware-in-the-Loop (HIL) Sales by Manufacturers (2019-2024)
- 3.2 Global Automotive Hardware-in-the-Loop (HIL) Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Automotive Hardware-in-the-Loop (HIL) Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Automotive Hardware-in-the-Loop (HIL) Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Automotive Hardware-in-the-Loop (HIL) Sales Sites, Area Served,

## Product Type

### 3.6 Automotive Hardware-in-the-Loop (HIL) Market Competitive Situation and Trends

#### 3.6.1 Automotive Hardware-in-the-Loop (HIL) Market Concentration Rate

#### 3.6.2 Global 5 and 10 Largest Automotive Hardware-in-the-Loop (HIL) Players Market

### Share by Revenue

#### 3.6.3 Mergers & Acquisitions, Expansion

## **4 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) INDUSTRY CHAIN ANALYSIS**

### 4.1 Automotive Hardware-in-the-Loop (HIL) Industry Chain Analysis

### 4.2 Market Overview of Key Raw Materials

### 4.3 Midstream Market Analysis

### 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET**

### 5.1 Key Development Trends

### 5.2 Driving Factors

### 5.3 Market Challenges

### 5.4 Market Restraints

### 5.5 Industry News

#### 5.5.1 New Product Developments

#### 5.5.2 Mergers & Acquisitions

#### 5.5.3 Expansions

#### 5.5.4 Collaboration/Supply Contracts

### 5.6 Industry Policies

## **6 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET SEGMENTATION BY TYPE**

### 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

### 6.2 Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Type (2019-2024)

### 6.3 Global Automotive Hardware-in-the-Loop (HIL) Market Size Market Share by Type (2019-2024)

### 6.4 Global Automotive Hardware-in-the-Loop (HIL) Price by Type (2019-2024)

## **7 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET SEGMENTATION BY**



## **APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Automotive Hardware-in-the-Loop (HIL) Market Sales by Application (2019-2024)
- 7.3 Global Automotive Hardware-in-the-Loop (HIL) Market Size (M USD) by Application (2019-2024)
- 7.4 Global Automotive Hardware-in-the-Loop (HIL) Sales Growth Rate by Application (2019-2024)

## **8 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET SEGMENTATION BY REGION**

- 8.1 Global Automotive Hardware-in-the-Loop (HIL) Sales by Region
  - 8.1.1 Global Automotive Hardware-in-the-Loop (HIL) Sales by Region
  - 8.1.2 Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Region
- 8.2 North America
  - 8.2.1 North America Automotive Hardware-in-the-Loop (HIL) Sales by Country
  - 8.2.2 U.S.
  - 8.2.3 Canada
  - 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe Automotive Hardware-in-the-Loop (HIL) Sales by Country
  - 8.3.2 Germany
  - 8.3.3 France
  - 8.3.4 U.K.
  - 8.3.5 Italy
  - 8.3.6 Russia
- 8.4 Asia Pacific
  - 8.4.1 Asia Pacific Automotive Hardware-in-the-Loop (HIL) Sales by Region
  - 8.4.2 China
  - 8.4.3 Japan
  - 8.4.4 South Korea
  - 8.4.5 India
  - 8.4.6 Southeast Asia
- 8.5 South America
  - 8.5.1 South America Automotive Hardware-in-the-Loop (HIL) Sales by Country
  - 8.5.2 Brazil
  - 8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Automotive Hardware-in-the-Loop (HIL) Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

9.1 dSPACE GmbH

9.1.1 dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) Basic Information

9.1.2 dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) Product Overview

9.1.3 dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) Product Market

Performance

9.1.4 dSPACE GmbH Business Overview

9.1.5 dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) SWOT Analysis

9.1.6 dSPACE GmbH Recent Developments

9.2 National Instruments

9.2.1 National Instruments Automotive Hardware-in-the-Loop (HIL) Basic Information

9.2.2 National Instruments Automotive Hardware-in-the-Loop (HIL) Product Overview

9.2.3 National Instruments Automotive Hardware-in-the-Loop (HIL) Product Market

Performance

9.2.4 National Instruments Business Overview

9.2.5 National Instruments Automotive Hardware-in-the-Loop (HIL) SWOT Analysis

9.2.6 National Instruments Recent Developments

9.3 Vector Informatik

9.3.1 Vector Informatik Automotive Hardware-in-the-Loop (HIL) Basic Information

9.3.2 Vector Informatik Automotive Hardware-in-the-Loop (HIL) Product Overview

9.3.3 Vector Informatik Automotive Hardware-in-the-Loop (HIL) Product Market

Performance

9.3.4 Vector Informatik Automotive Hardware-in-the-Loop (HIL) SWOT Analysis

9.3.5 Vector Informatik Business Overview

9.3.6 Vector Informatik Recent Developments

9.4 ETAS

9.4.1 ETAS Automotive Hardware-in-the-Loop (HIL) Basic Information

9.4.2 ETAS Automotive Hardware-in-the-Loop (HIL) Product Overview

9.4.3 ETAS Automotive Hardware-in-the-Loop (HIL) Product Market Performance

- 9.4.4 ETAS Business Overview
- 9.4.5 ETAS Recent Developments
- 9.5 Ipg Automotive GmbH
  - 9.5.1 Ipg Automotive GmbH Automotive Hardware-in-the-Loop (HIL) Basic Information
  - 9.5.2 Ipg Automotive GmbH Automotive Hardware-in-the-Loop (HIL) Product Overview
  - 9.5.3 Ipg Automotive GmbH Automotive Hardware-in-the-Loop (HIL) Product Market Performance
  - 9.5.4 Ipg Automotive GmbH Business Overview
  - 9.5.5 Ipg Automotive GmbH Recent Developments
- 9.6 MicroNova AG
  - 9.6.1 MicroNova AG Automotive Hardware-in-the-Loop (HIL) Basic Information
  - 9.6.2 MicroNova AG Automotive Hardware-in-the-Loop (HIL) Product Overview
  - 9.6.3 MicroNova AG Automotive Hardware-in-the-Loop (HIL) Product Market Performance
  - 9.6.4 MicroNova AG Business Overview
  - 9.6.5 MicroNova AG Recent Developments
- 9.7 Opal-RT Technologies
  - 9.7.1 Opal-RT Technologies Automotive Hardware-in-the-Loop (HIL) Basic Information
  - 9.7.2 Opal-RT Technologies Automotive Hardware-in-the-Loop (HIL) Product Overview
  - 9.7.3 Opal-RT Technologies Automotive Hardware-in-the-Loop (HIL) Product Market Performance
  - 9.7.4 Opal-RT Technologies Business Overview
  - 9.7.5 Opal-RT Technologies Recent Developments
- 9.8 HiRain Technologies
  - 9.8.1 HiRain Technologies Automotive Hardware-in-the-Loop (HIL) Basic Information
  - 9.8.2 HiRain Technologies Automotive Hardware-in-the-Loop (HIL) Product Overview
  - 9.8.3 HiRain Technologies Automotive Hardware-in-the-Loop (HIL) Product Market Performance
  - 9.8.4 HiRain Technologies Business Overview
  - 9.8.5 HiRain Technologies Recent Developments
- 9.9 Eontronix
  - 9.9.1 Eontronix Automotive Hardware-in-the-Loop (HIL) Basic Information
  - 9.9.2 Eontronix Automotive Hardware-in-the-Loop (HIL) Product Overview
  - 9.9.3 Eontronix Automotive Hardware-in-the-Loop (HIL) Product Market Performance
  - 9.9.4 Eontronix Business Overview
  - 9.9.5 Eontronix Recent Developments
- 9.10 LHP Engineering Solutions
  - 9.10.1 LHP Engineering Solutions Automotive Hardware-in-the-Loop (HIL) Basic

## Information

9.10.2 LHP Engineering Solutions Automotive Hardware-in-the-Loop (HIL) Product Overview

9.10.3 LHP Engineering Solutions Automotive Hardware-in-the-Loop (HIL) Product Market Performance

9.10.4 LHP Engineering Solutions Business Overview

9.10.5 LHP Engineering Solutions Recent Developments

## 9.11 Speedgoat GmbH

9.11.1 Speedgoat GmbH Automotive Hardware-in-the-Loop (HIL) Basic Information

9.11.2 Speedgoat GmbH Automotive Hardware-in-the-Loop (HIL) Product Overview

9.11.3 Speedgoat GmbH Automotive Hardware-in-the-Loop (HIL) Product Market Performance

9.11.4 Speedgoat GmbH Business Overview

9.11.5 Speedgoat GmbH Recent Developments

## 9.12 Huahai Technologies

9.12.1 Huahai Technologies Automotive Hardware-in-the-Loop (HIL) Basic Information

9.12.2 Huahai Technologies Automotive Hardware-in-the-Loop (HIL) Product Overview

9.12.3 Huahai Technologies Automotive Hardware-in-the-Loop (HIL) Product Market Performance

9.12.4 Huahai Technologies Business Overview

9.12.5 Huahai Technologies Recent Developments

## **10 AUTOMOTIVE HARDWARE-IN-THE-LOOP (HIL) MARKET FORECAST BY REGION**

10.1 Global Automotive Hardware-in-the-Loop (HIL) Market Size Forecast

10.2 Global Automotive Hardware-in-the-Loop (HIL) Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Country

10.2.3 Asia Pacific Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Region

10.2.4 South America Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Automotive Hardware-in-the-Loop (HIL) by Country

## **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)**

## 11.1 Global Automotive Hardware-in-the-Loop (HIL) Market Forecast by Type (2025-2030)

11.1.1 Global Forecasted Sales of Automotive Hardware-in-the-Loop (HIL) by Type (2025-2030)

11.1.2 Global Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Type (2025-2030)

11.1.3 Global Forecasted Price of Automotive Hardware-in-the-Loop (HIL) by Type (2025-2030)

## 11.2 Global Automotive Hardware-in-the-Loop (HIL) Market Forecast by Application (2025-2030)

11.2.1 Global Automotive Hardware-in-the-Loop (HIL) Sales (K Units) Forecast by Application

11.2.2 Global Automotive Hardware-in-the-Loop (HIL) Market Size (M USD) Forecast by Application (2025-2030)

## **12 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Automobile Production by Country (Vehicle)

Table 4. Importance and Development Potential of Automobiles in Various Countries

Table 5. Global Automobile Production by Type

Table 6. Importance and Development Potential of Automobiles in Various Type

Table 7. Market Size (M USD) Segment Executive Summary

Table 8. Automotive Hardware-in-the-Loop (HIL) Market Size Comparison by Region (M USD)

Table 9. Global Automotive Hardware-in-the-Loop (HIL) Sales (K Units) by Manufacturers (2019-2024)

Table 10. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Manufacturers (2019-2024)

Table 11. Global Automotive Hardware-in-the-Loop (HIL) Revenue (M USD) by Manufacturers (2019-2024)

Table 12. Global Automotive Hardware-in-the-Loop (HIL) Revenue Share by Manufacturers (2019-2024)

Table 13. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Automotive Hardware-in-the-Loop (HIL) as of 2022)

Table 14. Global Market Automotive Hardware-in-the-Loop (HIL) Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 15. Manufacturers Automotive Hardware-in-the-Loop (HIL) Sales Sites and Area Served

Table 16. Manufacturers Automotive Hardware-in-the-Loop (HIL) Product Type

Table 17. Global Automotive Hardware-in-the-Loop (HIL) Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 18. Mergers & Acquisitions, Expansion Plans

Table 19. Industry Chain Map of Automotive Hardware-in-the-Loop (HIL)

Table 20. Market Overview of Key Raw Materials

Table 21. Midstream Market Analysis

Table 22. Downstream Customer Analysis

Table 23. Key Development Trends

Table 24. Driving Factors

Table 25. Automotive Hardware-in-the-Loop (HIL) Market Challenges

Table 26. Global Automotive Hardware-in-the-Loop (HIL) Sales by Type (K Units)

Table 27. Global Automotive Hardware-in-the-Loop (HIL) Market Size by Type (M USD)

Table 28. Global Automotive Hardware-in-the-Loop (HIL) Sales (K Units) by Type (2019-2024)

Table 29. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Type (2019-2024)

Table 30. Global Automotive Hardware-in-the-Loop (HIL) Market Size (M USD) by Type (2019-2024)

Table 31. Global Automotive Hardware-in-the-Loop (HIL) Market Size Share by Type (2019-2024)

Table 32. Global Automotive Hardware-in-the-Loop (HIL) Price (USD/Unit) by Type (2019-2024)

Table 33. Global Automotive Hardware-in-the-Loop (HIL) Sales (K Units) by Application

Table 34. Global Automotive Hardware-in-the-Loop (HIL) Market Size by Application

Table 35. Global Automotive Hardware-in-the-Loop (HIL) Sales by Application (2019-2024) & (K Units)

Table 36. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Application (2019-2024)

Table 37. Global Automotive Hardware-in-the-Loop (HIL) Sales by Application (2019-2024) & (M USD)

Table 38. Global Automotive Hardware-in-the-Loop (HIL) Market Share by Application (2019-2024)

Table 39. Global Automotive Hardware-in-the-Loop (HIL) Sales Growth Rate by Application (2019-2024)

Table 40. Global Automotive Hardware-in-the-Loop (HIL) Sales by Region (2019-2024) & (K Units)

Table 41. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Region (2019-2024)

Table 42. North America Automotive Hardware-in-the-Loop (HIL) Sales by Country (2019-2024) & (K Units)

Table 43. Europe Automotive Hardware-in-the-Loop (HIL) Sales by Country (2019-2024) & (K Units)

Table 44. Asia Pacific Automotive Hardware-in-the-Loop (HIL) Sales by Region (2019-2024) & (K Units)

Table 45. South America Automotive Hardware-in-the-Loop (HIL) Sales by Country (2019-2024) & (K Units)

Table 46. Middle East and Africa Automotive Hardware-in-the-Loop (HIL) Sales by Region (2019-2024) & (K Units)

Table 47. dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) Basic Information

Table 48. dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 49. dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 50. dSPACE GmbH Business Overview

Table 51. dSPACE GmbH Automotive Hardware-in-the-Loop (HIL) SWOT Analysis

Table 52. dSPACE GmbH Recent Developments

Table 53. National Instruments Automotive Hardware-in-the-Loop (HIL) Basic Information

Table 54. National Instruments Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 55. National Instruments Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 56. National Instruments Business Overview

Table 57. National Instruments Automotive Hardware-in-the-Loop (HIL) SWOT Analysis

Table 58. National Instruments Recent Developments

Table 59. Vector Informatik Automotive Hardware-in-the-Loop (HIL) Basic Information

Table 60. Vector Informatik Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 61. Vector Informatik Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 62. Vector Informatik Automotive Hardware-in-the-Loop (HIL) SWOT Analysis

Table 63. Vector Informatik Business Overview

Table 64. Vector Informatik Recent Developments

Table 65. ETAS Automotive Hardware-in-the-Loop (HIL) Basic Information

Table 66. ETAS Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 67. ETAS Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 68. ETAS Business Overview

Table 69. ETAS Recent Developments

Table 70. Ipg Automotive GmbH Automotive Hardware-in-the-Loop (HIL) Basic Information

Table 71. Ipg Automotive GmbH Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 72. Ipg Automotive GmbH Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 73. Ipg Automotive GmbH Business Overview

Table 74. Ipg Automotive GmbH Recent Developments

Table 75. MicroNova AG Automotive Hardware-in-the-Loop (HIL) Basic Information

Table 76. MicroNova AG Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 77. MicroNova AG Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)



- Table 78. MicroNova AG Business Overview
- Table 79. MicroNova AG Recent Developments
- Table 80. Opal-RT Technologies Automotive Hardware-in-the-Loop (HIL) Basic Information
- Table 81. Opal-RT Technologies Automotive Hardware-in-the-Loop (HIL) Product Overview
- Table 82. Opal-RT Technologies Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 83. Opal-RT Technologies Business Overview
- Table 84. Opal-RT Technologies Recent Developments
- Table 85. HiRain Technologies Automotive Hardware-in-the-Loop (HIL) Basic Information
- Table 86. HiRain Technologies Automotive Hardware-in-the-Loop (HIL) Product Overview
- Table 87. HiRain Technologies Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 88. HiRain Technologies Business Overview
- Table 89. HiRain Technologies Recent Developments
- Table 90. Eontronix Automotive Hardware-in-the-Loop (HIL) Basic Information
- Table 91. Eontronix Automotive Hardware-in-the-Loop (HIL) Product Overview
- Table 92. Eontronix Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 93. Eontronix Business Overview
- Table 94. Eontronix Recent Developments
- Table 95. LHP Engineering Solutions Automotive Hardware-in-the-Loop (HIL) Basic Information
- Table 96. LHP Engineering Solutions Automotive Hardware-in-the-Loop (HIL) Product Overview
- Table 97. LHP Engineering Solutions Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 98. LHP Engineering Solutions Business Overview
- Table 99. LHP Engineering Solutions Recent Developments
- Table 100. Speedgoat GmbH Automotive Hardware-in-the-Loop (HIL) Basic Information
- Table 101. Speedgoat GmbH Automotive Hardware-in-the-Loop (HIL) Product Overview
- Table 102. Speedgoat GmbH Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 103. Speedgoat GmbH Business Overview
- Table 104. Speedgoat GmbH Recent Developments
- Table 105. Huahai Technologies Automotive Hardware-in-the-Loop (HIL) Basic

## Information

Table 106. Huahai Technologies Automotive Hardware-in-the-Loop (HIL) Product Overview

Table 107. Huahai Technologies Automotive Hardware-in-the-Loop (HIL) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 108. Huahai Technologies Business Overview

Table 109. Huahai Technologies Recent Developments

Table 110. Global Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Region (2025-2030) & (K Units)

Table 111. Global Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Region (2025-2030) & (M USD)

Table 112. North America Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Country (2025-2030) & (K Units)

Table 113. North America Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Country (2025-2030) & (M USD)

Table 114. Europe Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Country (2025-2030) & (K Units)

Table 115. Europe Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Country (2025-2030) & (M USD)

Table 116. Asia Pacific Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Region (2025-2030) & (K Units)

Table 117. Asia Pacific Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Region (2025-2030) & (M USD)

Table 118. South America Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Country (2025-2030) & (K Units)

Table 119. South America Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Country (2025-2030) & (M USD)

Table 120. Middle East and Africa Automotive Hardware-in-the-Loop (HIL) Consumption Forecast by Country (2025-2030) & (Units)

Table 121. Middle East and Africa Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Country (2025-2030) & (M USD)

Table 122. Global Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Type (2025-2030) & (K Units)

Table 123. Global Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Type (2025-2030) & (M USD)

Table 124. Global Automotive Hardware-in-the-Loop (HIL) Price Forecast by Type (2025-2030) & (USD/Unit)

Table 125. Global Automotive Hardware-in-the-Loop (HIL) Sales (K Units) Forecast by Application (2025-2030)

Table 126. Global Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Application (2025-2030) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Automotive Hardware-in-the-Loop (HIL)
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Automotive Hardware-in-the-Loop (HIL) Market Size (M USD), 2019-2030
- Figure 5. Global Automotive Hardware-in-the-Loop (HIL) Market Size (M USD) (2019-2030)
- Figure 6. Global Automotive Hardware-in-the-Loop (HIL) Sales (K Units) & (2019-2030)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Automotive Hardware-in-the-Loop (HIL) Market Size by Country (M USD)
- Figure 11. Automotive Hardware-in-the-Loop (HIL) Sales Share by Manufacturers in 2023
- Figure 12. Global Automotive Hardware-in-the-Loop (HIL) Revenue Share by Manufacturers in 2023
- Figure 13. Automotive Hardware-in-the-Loop (HIL) Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Automotive Hardware-in-the-Loop (HIL) Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Automotive Hardware-in-the-Loop (HIL) Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Automotive Hardware-in-the-Loop (HIL) Market Share by Type
- Figure 18. Sales Market Share of Automotive Hardware-in-the-Loop (HIL) by Type (2019-2024)
- Figure 19. Sales Market Share of Automotive Hardware-in-the-Loop (HIL) by Type in 2023
- Figure 20. Market Size Share of Automotive Hardware-in-the-Loop (HIL) by Type (2019-2024)
- Figure 21. Market Size Market Share of Automotive Hardware-in-the-Loop (HIL) by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Automotive Hardware-in-the-Loop (HIL) Market Share by Application
- Figure 24. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by

Application (2019-2024)

Figure 25. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Application in 2023

Figure 26. Global Automotive Hardware-in-the-Loop (HIL) Market Share by Application (2019-2024)

Figure 27. Global Automotive Hardware-in-the-Loop (HIL) Market Share by Application in 2023

Figure 28. Global Automotive Hardware-in-the-Loop (HIL) Sales Growth Rate by Application (2019-2024)

Figure 29. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Region (2019-2024)

Figure 30. North America Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Country in 2023

Figure 32. U.S. Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Automotive Hardware-in-the-Loop (HIL) Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Automotive Hardware-in-the-Loop (HIL) Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Country in 2023

Figure 37. Germany Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Region in 2023

Figure 44. China Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (K Units)

Figure 50. South America Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Country in 2023

Figure 51. Brazil Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Automotive Hardware-in-the-Loop (HIL) Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Automotive Hardware-in-the-Loop (HIL) Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global Automotive Hardware-in-the-Loop (HIL) Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Automotive Hardware-in-the-Loop (HIL) Sales Market Share Forecast

by Type (2025-2030)

Figure 64. Global Automotive Hardware-in-the-Loop (HIL) Market Share Forecast by Type (2025-2030)

Figure 65. Global Automotive Hardware-in-the-Loop (HIL) Sales Forecast by Application (2025-2030)

Figure 66. Global Automotive Hardware-in-the-Loop (HIL) Market Share Forecast by Application (2025-2030)

## I would like to order

Product name: Global Automotive Hardware-in-the-Loop (HIL) Market Research Report 2024(Status and Outlook)

Product link: <https://marketpublishers.com/r/GCB4DFE9FF55EN.html>

Price: US\$ 3,200.00 (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/GCB4DFE9FF55EN.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



