

Hardware-in-the-loop Market - Global Outlook and Forecast 2022-2028

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Abstracts

Hardware-in-the-loop (HIL) technique is used to analyze complex real-time embedded systems. The HIL system provides an effective platform which for reduce the complexity of the plant and control the test platform. HIL technology offers high-quality output and reduces the cost involved and time needed. Hence, it is widely preferred in many applications such as aerospace, automotive, and others. Automotive sector adopts ECUs technology in accordance to meet various industry standards. Electronic companies use HIL technique in various applications such as nuclear power plant control systems, wind turbine generators, developing and testing of electronic grids, photovoltaic inverter, and so on.

This report contains market size and forecasts of Hardware-in-the-loop in Global, including the following market information:

Global Hardware-in-the-loop Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global Hardware-in-the-loop market was valued at 520.6 million in 2021 and is projected to reach US\$ 664.2 million by 2028, at a CAGR of 3.5% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Automotive Systems Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Hardware-in-the-loop include DSpace GmbH, National Instruments, Vector Informatik, Siemens, Robert Bosch Engineering, MicroNova AG, Opal-RT Technologies, LHP Engineering Solutions and Ipg Automotive GmbH, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Hardware-in-the-loop companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Hardware-in-the-loop Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global Hardware-in-the-loop Market Segment Percentages, by Type, 2021 (%)

Automotive Systems

Radar

Robotics

Power Systems

Offshore Systems

Global Hardware-in-the-loop Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global Hardware-in-the-loop Market Segment Percentages, by Application, 2021 (%)

Power Electronics

Automotive

Research & Education

Aerospace & Defense

Other

Global Hardware-in-the-loop Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions)

Global Hardware-in-the-loop Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Hardware-in-the-loop revenues in global market, 2017-2022
(estimated), (\$ millions)

Key companies Hardware-in-the-loop revenues share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

DSpace GmbH

National Instruments

Vector Informatik

Siemens

Robert Bosch Engineering

MicroNova AG

Opal-RT Technologies

LHP Engineering Solutions

Ipg Automotive GmbH

Typhoon HIL

Speedgoat GmbH

Eontronix

Wineman Technology

Modeling Tech

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