

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 & Defense, 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 Chassis 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 713.4 million in 2021 and is projected to reach US\$ 1054.5 million by 2028, at a CAGR of 5.7% during the forecast period.

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

Closed Loop HIL 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, ETAS, Ipg Automotive GmbH, MicroNova AG, Aegis Technologies, HiRain Technologies and Opal-RT Technologies, 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 (%)

Closed Loop HIL

Open Loop HIL

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

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

Automotive

Aerospace & Defense

Power Electronics

Research & Education

Oil & Gas

Industrial Equipment

Industrial Components

Others

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

ETAS

Ipg Automotive GmbH

MicroNova AG

Aegis Technologies

HiRain Technologies

Opal-RT Technologies

Eontronix

Typhoon HIL

LHP Engineering Solutions

Speedgoat GmbH

Wineman Technology (Genuen)

Modeling Tech

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