

Global NVH Solutions Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

NVH Solutions, which stands for Noise, Vibration, and Harshness solutions, play a crucial role in various industries by addressing issues related to unwanted noise, vibration, and harshness in products and systems. These solutions encompass a range of technologies, materials, and processes aimed at reducing noise levels, minimizing vibrations, and enhancing overall user experience. NVH solutions find applications in automotive, aerospace, consumer electronics, industrial machinery, and other sectors where noise and vibration control are essential for product performance and customer satisfaction.

As of 2023, the global NVH Solutions market is valued at approximately USD 2.5 billion. The market is expected to grow at a Compound Annual Growth Rate (CAGR) of 5.8% from 2024 to 2032. Several factors are driving this growth, including increasing demand for noise reduction in vehicles, stringent regulations related to noise pollution, rising consumer expectations for improved comfort and performance, and technological advancements in materials and engineering processes.

One key trend in the NVH Solutions market is the growing adoption of active noise control technologies. These technologies use advanced algorithms and sensors to detect and cancel out unwanted noise in real-time, offering superior noise reduction compared to traditional passive solutions. For example, active noise cancellation systems in vehicles and headphones are becoming increasingly popular for their ability to provide a quieter and more comfortable environment for users.

Another significant trend is the emphasis on lightweight materials for NVH solutions.

Lightweight materials such as composites and advanced polymers not only help reduce overall vehicle weight for improved fuel efficiency but also contribute to better noise and vibration damping characteristics. For instance, the use of carbon fiber reinforced plastics in automotive interiors can help reduce cabin noise levels and enhance the overall driving experience.

Furthermore, the integration of NVH solutions in electric vehicles (EVs) is gaining traction due to the unique noise and vibration characteristics of electric powertrains. NVH engineers are focusing on developing specialized solutions to address issues such as high-frequency whining noises from electric motors and vibrations caused by battery packs. As the EV market continues to expand, the demand for effective NVH solutions tailored to electric vehicles is expected to rise significantly.

In terms of regional market distribution, North America and Europe currently lead the NVH Solutions market due to the presence of major automotive and aerospace industries, stringent noise regulations, and high consumer awareness regarding noise control technologies. These regions benefit from a strong manufacturing base, technological expertise, and a focus on innovation in NVH engineering.

In contrast, the Asia-Pacific region is witnessing rapid growth in the NVH Solutions market, driven by the booming automotive sector, increasing investments in infrastructure development, and rising disposable incomes. Countries like China, Japan, and South Korea are emerging as key markets for NVH solutions, with a growing emphasis on noise reduction in vehicles and consumer electronics.

Despite the positive outlook for the NVH Solutions market, several challenges need to be addressed. These include the high cost of advanced NVH technologies, the need for skilled professionals in NVH engineering, and the complexity of integrating NVH solutions into existing product designs. Companies operating in this market must focus on innovation, cost-effective solutions, and strategic partnerships to overcome these challenges and capitalize on the growing demand for NVH technologies.

This report provides a deep insight into the global NVH Solutions 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, 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 NVH Solutions 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 NVH Solutions market in any manner.

Global NVH Solutions 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

Vibracoustic

Siemens

Altair Engineering

Bridgestone

Material Sciences Corporation

OROS GmbH

Ansys

Brüel & Kjær

Continental Engineering Services

Detroit Engineered Products

BOA Holding GmbH

FEV Group

HEAD acoustics GmbH

Market Segmentation (by Type)

Passenger Tires

Automotive Polyurethane Foam Products

Automotive Anti-Vibration Products

Other

Market Segmentation (by Application)

Commercial Vehicle

Passenger Car

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 NVH Solutions Market
- Overview of the regional outlook of the NVH Solutions 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.

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

NVH Solutions 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 NVH Solutions

1.2 Key Market Segments

1.2.1 NVH Solutions Segment by Type

1.2.2 NVH Solutions 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 NVH SOLUTIONS MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global NVH Solutions Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global NVH Solutions Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 NVH SOLUTIONS MARKET COMPETITIVE LANDSCAPE

3.1 Global NVH Solutions Sales by Manufacturers (2019-2024)

3.2 Global NVH Solutions Revenue Market Share by Manufacturers (2019-2024)

3.3 NVH Solutions Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global NVH Solutions Average Price by Manufacturers (2019-2024)

3.5 Manufacturers NVH Solutions Sales Sites, Area Served, Product Type

3.6 NVH Solutions Market Competitive Situation and Trends

3.6.1 NVH Solutions Market Concentration Rate

3.6.2 Global 5 and 10 Largest NVH Solutions Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 NVH SOLUTIONS INDUSTRY CHAIN ANALYSIS

- 4.1 NVH Solutions 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 NVH SOLUTIONS 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 NVH SOLUTIONS MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global NVH Solutions Sales Market Share by Type (2019-2024)
- 6.3 Global NVH Solutions Market Size Market Share by Type (2019-2024)
- 6.4 Global NVH Solutions Price by Type (2019-2024)

7 NVH SOLUTIONS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global NVH Solutions Market Sales by Application (2019-2024)
- 7.3 Global NVH Solutions Market Size (M USD) by Application (2019-2024)
- 7.4 Global NVH Solutions Sales Growth Rate by Application (2019-2024)

8 NVH SOLUTIONS MARKET SALES BY REGION

- 8.1 Global NVH Solutions Sales by Region
 - 8.1.1 Global NVH Solutions Sales by Region

- 8.1.2 Global NVH Solutions Sales Market Share by Region
- 8.2 Global NVH Solutions Market Size by Region
 - 8.2.1 Global NVH Solutions Market Size by Region
 - 8.2.2 Global NVH Solutions Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America NVH Solutions Sales by Country
 - 8.3.2 North America NVH Solutions Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe NVH Solutions Sales by Country
 - 8.4.2 Europe NVH Solutions Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Russia Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific NVH Solutions Sales by Region
 - 8.5.2 China
 - 8.5.3 Japan
 - 8.5.4 South Korea
 - 8.5.5 India
 - 8.5.6 Southeast Asia
- 8.6 Asia Pacific
 - 8.6.1 Asia Pacific NVH Solutions Market Size by Region
 - 8.6.2 Asia Pacific NVH Solutions Market Size by Region
 - 8.6.3 China
 - 8.6.4 Japan
 - 8.6.5 South Korea
 - 8.6.6 India
 - 8.6.7 Southeast Asia
- 8.7 South America
 - 8.7.1 South America NVH Solutions Sales by Country
 - 8.7.2 South America NVH Solutions Market Size by Country
 - 8.7.3 Brazil
 - 8.7.4 Argentina
 - 8.7.5 Columbia

8.8 Middle East and Africa

8.8.1 Middle East and Africa NVH Solutions Sales by Region

8.8.2 Middle East and Africa NVH Solutions Market Size by Region

8.8.3 Saudi Arabia

8.8.4 UAE

8.8.5 Egypt

8.8.6 Nigeria

8.8.7 South Africa

9 NVH SOLUTIONS MARKET PRODUCTION BY REGION

9.1 Global Production of NVH Solutions by Region (2019-2024)

9.2 Global NVH Solutions Revenue Market Share by Region (2019-2024)

9.3 Global NVH Solutions Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America NVH Solutions Production

9.4.1 North America NVH Solutions Production Growth Rate (2019-2024)

9.4.2 North America NVH Solutions Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe NVH Solutions Production

9.5.1 Europe NVH Solutions Production Growth Rate (2019-2024)

9.5.2 Europe NVH Solutions Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan NVH Solutions Production (2019-2024)

9.6.1 Japan NVH Solutions Production Growth Rate (2019-2024)

9.6.2 Japan NVH Solutions Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China NVH Solutions Production (2019-2024)

9.7.1 China NVH Solutions Production Growth Rate (2019-2024)

9.7.2 China NVH Solutions Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Vibracoustic

10.1.1 Vibracoustic NVH Solutions Basic Information

10.1.2 Vibracoustic NVH Solutions Product Overview

10.1.3 Vibracoustic NVH Solutions Product Market Performance

10.1.4 Vibracoustic Business Overview

10.1.5 Vibracoustic NVH Solutions SWOT Analysis

10.1.6 Vibracoustic Recent Developments

10.2 Siemens

- 10.2.1 Siemens NVH Solutions Basic Information
- 10.2.2 Siemens NVH Solutions Product Overview
- 10.2.3 Siemens NVH Solutions Product Market Performance
- 10.2.4 Siemens Business Overview
- 10.2.5 Siemens NVH Solutions SWOT Analysis
- 10.2.6 Siemens Recent Developments
- 10.3 Altair Engineering
 - 10.3.1 Altair Engineering NVH Solutions Basic Information
 - 10.3.2 Altair Engineering NVH Solutions Product Overview
 - 10.3.3 Altair Engineering NVH Solutions Product Market Performance
 - 10.3.4 Altair Engineering NVH Solutions SWOT Analysis
 - 10.3.5 Altair Engineering Business Overview
 - 10.3.6 Altair Engineering Recent Developments
- 10.4 Bridgestone
 - 10.4.1 Bridgestone NVH Solutions Basic Information
 - 10.4.2 Bridgestone NVH Solutions Product Overview
 - 10.4.3 Bridgestone NVH Solutions Product Market Performance
 - 10.4.4 Bridgestone Business Overview
 - 10.4.5 Bridgestone Recent Developments
- 10.5 Material Sciences Corporation
 - 10.5.1 Material Sciences Corporation NVH Solutions Basic Information
 - 10.5.2 Material Sciences Corporation NVH Solutions Product Overview
 - 10.5.3 Material Sciences Corporation NVH Solutions Product Market Performance
 - 10.5.4 Material Sciences Corporation Business Overview
 - 10.5.5 Material Sciences Corporation Recent Developments
- 10.6 OROS GmbH
 - 10.6.1 OROS GmbH NVH Solutions Basic Information
 - 10.6.2 OROS GmbH NVH Solutions Product Overview
 - 10.6.3 OROS GmbH NVH Solutions Product Market Performance
 - 10.6.4 OROS GmbH Business Overview
 - 10.6.5 OROS GmbH Recent Developments
- 10.7 Ansys
 - 10.7.1 Ansys NVH Solutions Basic Information
 - 10.7.2 Ansys NVH Solutions Product Overview
 - 10.7.3 Ansys NVH Solutions Product Market Performance
 - 10.7.4 Ansys Business Overview
 - 10.7.5 Ansys Recent Developments
- 10.8 Br?el and Kj?r
 - 10.8.1 Br?el and Kj?r NVH Solutions Basic Information

- 10.8.2 Br?el and Kj?r NVH Solutions Product Overview
- 10.8.3 Br?el and Kj?r NVH Solutions Product Market Performance
- 10.8.4 Br?el and Kj?r Business Overview
- 10.8.5 Br?el and Kj?r Recent Developments
- 10.9 Continental Engineering Services
 - 10.9.1 Continental Engineering Services NVH Solutions Basic Information
 - 10.9.2 Continental Engineering Services NVH Solutions Product Overview
 - 10.9.3 Continental Engineering Services NVH Solutions Product Market Performance
 - 10.9.4 Continental Engineering Services Business Overview
 - 10.9.5 Continental Engineering Services Recent Developments
- 10.10 Detroit Engineered Products
 - 10.10.1 Detroit Engineered Products NVH Solutions Basic Information
 - 10.10.2 Detroit Engineered Products NVH Solutions Product Overview
 - 10.10.3 Detroit Engineered Products NVH Solutions Product Market Performance
 - 10.10.4 Detroit Engineered Products Business Overview
 - 10.10.5 Detroit Engineered Products Recent Developments
- 10.11 BOA Holding GmbH
 - 10.11.1 BOA Holding GmbH NVH Solutions Basic Information
 - 10.11.2 BOA Holding GmbH NVH Solutions Product Overview
 - 10.11.3 BOA Holding GmbH NVH Solutions Product Market Performance
 - 10.11.4 BOA Holding GmbH Business Overview
 - 10.11.5 BOA Holding GmbH Recent Developments
- 10.12 FEV Group
 - 10.12.1 FEV Group NVH Solutions Basic Information
 - 10.12.2 FEV Group NVH Solutions Product Overview
 - 10.12.3 FEV Group NVH Solutions Product Market Performance
 - 10.12.4 FEV Group Business Overview
 - 10.12.5 FEV Group Recent Developments
- 10.13 HEAD acoustics GmbH
 - 10.13.1 HEAD acoustics GmbH NVH Solutions Basic Information
 - 10.13.2 HEAD acoustics GmbH NVH Solutions Product Overview
 - 10.13.3 HEAD acoustics GmbH NVH Solutions Product Market Performance
 - 10.13.4 HEAD acoustics GmbH Business Overview
 - 10.13.5 HEAD acoustics GmbH Recent Developments

11 NVH SOLUTIONS MARKET FORECAST BY REGION

- 11.1 Global NVH Solutions Market Size Forecast
- 11.2 Global NVH Solutions Market Forecast by Region

- 11.2.1 North America Market Size Forecast by Country
- 11.2.2 Europe NVH Solutions Market Size Forecast by Country
- 11.2.3 Asia Pacific NVH Solutions Market Size Forecast by Region
- 11.2.4 South America NVH Solutions Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Sales of NVH Solutions by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global NVH Solutions Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of NVH Solutions by Type (2025-2032)
 - 12.1.2 Global NVH Solutions Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of NVH Solutions by Type (2025-2032)
- 12.2 Global NVH Solutions Market Forecast by Application (2025-2032)
 - 12.2.1 Global NVH Solutions Sales (K Units) Forecast by Application
 - 12.2.2 Global NVH Solutions Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

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