

UAE Automotive Acoustic Engineering Services Market Segmented By Vehicle type (Passenger Car, Light Commercial Vehicle, Medium & Heavy Commercial Vehicle), By Application (Drivetrain, Powertrain, Body & Structure, Interior, Others), By Software (Calibration, Signal Analysis, Simulation, Vibration, Others), By Offering (Physical Acoustic Testing, Virtual Acoustic Testing), By Process (Designing, Development, Testing), By Region Competition, Forecast & Opportunities, 2029

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Abstracts

UAE Automotive Acoustic Engineering Services Market is expected to grow at considerable CAGR in the forecast period due to increasing demand towards less noise and advanced systems in vehicles.

UAE Automotive Acoustic Engineering Services Market Scope

To ensure that automobiles achieve the desired noise and vibration regulations and give the passengers a comfortable and enjoyable ride, acoustic engineering is necessary. Understanding the systems and technical interdependencies in the entire vehicle is necessary for the creation of cutting-edge technological solutions for acoustic and entertainment systems in automobiles. The market for UAE Automotive Acoustic Engineering Services is anticipated to expand at a rapid rate during the forecast period. Due to the rising demand for SUVs and MUVs for off-roading activities, the UAE market for automotive acoustic engineering services is expanding significantly. Additionally, the

UAE market for automotive acoustic engineering services is being supported by the rising sales of premium and luxury vehicles with more comfort and luxury. Furthermore, a growing emphasis on vehicle refinement, customer comfort, and regulatory standards is a major scope of automotive acoustic engineering services.

UAE Automotive Acoustic Engineering Services Market Overview

The automobile industry depends on how efficiently vehicles perform on road. Automobile manufacturers are encouraged to invest in the research and development of the automotive acoustic engineering services market because of the need for luxury, comfort, and quieter automobiles as well as autonomous driving. Automotive acoustic engineering is the process of reducing noise from various car components so that it has no negative effects on the environment within and outside of the vehicle. With the advancement of cutting-edge technology, these acoustic engineering services are demonstrating their cost effectiveness, enhancing the comfort and functionality of the vehicle. Moreover, the market expansion in UAE has been facilitated by the rising demand for expensive and quieter cars, which has significantly fueled the growth of the automotive acoustic engineering services sector. A rise in demand for automotive acoustic engineering services in UAE is attributed to the advent of electric vehicles, which generate significantly less noise because of the absence of mechanical engine components.

UAE Automotive Acoustic Engineering Services Market Drivers

The increased emphasis on regulatory compliance placed by the government in UAE is one of the key factors driving the market for automotive acoustic engineering services in the country. UAE government safety standards and regulations are becoming more strict which results in increasing awareness of acoustic engineering services. Additionally, to ensure that their vehicles meet the necessary noise and vibration standards, automotive manufacturers and suppliers are increasingly looking to the knowledge of acoustic engineering service market players.

The need for automotive acoustic engineering services for passenger automobiles has increased because of government initiatives, and this market will grow over the next few years. The aforementioned factors are expected to lead to an increase in demand for automotive acoustic engineering services by 2029.

UAE Automotive Acoustic Engineering Services Market Challenge

Due to higher grade materials and less market penetration, the cost of making and maintaining automobile acoustic components is comparable to high. Additionally, price variations have an impact on the operating income of businesses that offer acoustic engineering services. The company has struggled to meet customer needs for customization and appealing transportation. The inadequate understanding of the benefits of acoustic engineering among consumers in the automotive industry further restricts the growth of the UAE automotive acoustic engineering services market. Furthermore, the shifting supply and demand dynamics are hampering the sector's expansion. Furthermore, it is anticipated that in the years to come penetration will rise and costs for automotive acoustic engineering services would decrease as technology develops.

UAE Automotive Acoustic Engineering Services Market Trends

In the UAE, there is a tendency in the market for automotive acoustic engineering services towards a greater emphasis on comfort and refinement. The need for automotive acoustic services is also rising as consumer expectations for a comfortable and silent driving experience rise. The market for automotive acoustic engineering services is anticipated to grow significantly in the next years because of the strong demand for electric vehicles and the developing automotive industry. Additionally, the country is moving towards a transition to electric vehicles to reduce carbon emissions from vehicles. The interior acoustic engineering standards for electric vehicles are much greater due to the lower number of moving parts which require much more advanced acoustic engineering. Due to the aforementioned factors, it is predicted that the market for automotive acoustic engineering services in the UAE would grow during the course of the forecast period.

Company Insights

To establish new standards in CAE design of noise, vibration, harshness (NVH) and data interchange, Autoneum and Free Field Technologies (FFT) worked together in 2021 to integrate Autoneum tried-and-true acoustic simulation methodologies for vehicle acoustics into FFT's leading modelling program, Actran.

The 'Airborne Transmission Loss Analysis System' (ATLAS), developed by Autoneum, is a cutting-edge technology for environmentally friendly vehicle acoustics. ATLAS analyses the transmission loss and acoustic insulation of materials including carpets, inner dashes, and floor insulators.

As the first active system to reduce road noise globally, Hyundai, a South Korean carmaker, and HARMAN International, a US-based company of Samsung Electronics Co., unveiled the Road-Noise Active Noise Control (RANC) system in February 2020. By filtering out undesirable noise generated by the tires and road surfaces while the car is moving, it lowers cabin noise.

UAE Automotive Acoustic Engineering Services Market Opportunities

The demand for acoustic engineering services is anticipated to increase as the automotive sector develops, offering new market opportunities for specialized service providers and regional service providers. In the United Arab Emirates, there are many chances for growth and development in the industry of automotive acoustic engineering. The desire for high-end vehicles with cutting-edge technology and minimal noise inside and outside the vehicle suggests that the market for acoustic engineering services will expand faster than average. This offers an opportunity for Acoustic engineering companies to contribute their expertise and collaborate with original equipment manufacturers to expand their market share. Additionally, the rapid growth of electric vehicles offers more chances for new players to enter the market and establish an acoustic service network across the country's major cities.

Company Profiles

Some of the major players which are leading in UAE Automotive Acoustic Engineering Services Market are AVL, Autoneum Holding AG, Bertrandt AG, Br?el & Kj?r, EDAG Engineering GmbH, FEV Group GmbH, HEAD acoustics GmbH, Schaeffler Engineering GmbH, Siemens Industry Software Inc, Adler Pelzer Group.

Market Segmentation

The UAE Automotive Acoustic Engineering Services Market is segmented based on vehicle type, application, software, offering, process, and region. Based on vehicle type, the market is segmented into passenger car, light commercial vehicle, and medium & heavy commercial vehicle. based on the application type, it is further segmented into drivetrain, powertrain, body & structure, interior, and others. Based on application type, interior segment has shown higher growth rate than others. Furthermore, based on software, it is segmented into calibration, signal analysis, simulation, vibration, and others. In terms of offering, it is divided into physical acoustic testing and virtual acoustic

testing. In addition, market is divided into Designing, development and testing on basis of process. Further, the market is also divided into region wise into Dubai, Sharjah, Abu Dhabi, and rest of UAE.

Report Scope:

In this report, UAE Automotive acoustic engineering services market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

UAE Automotive Acoustic Engineering Services Market, By Vehicle Type:

Passenger Car

Light Commercial Vehicle

Medium & Heavy Commercial Vehicle

UAE Automotive Acoustic Engineering Services Market, By Application:

Drivetrain

Powertrain

Body & Structure

Interior

Others

UAE Automotive Acoustic Engineering Services Market, By Software:

Calibration

Signal Analysis

Simulation

Vibration

Others

UAE Automotive Acoustic Engineering Services Market, By Offering:

Physical Acoustic Testing

Virtual Acoustic Testing

UAE Automotive Acoustic Engineering Services Market, By Process:

Designing

Development

Testing

UAE Automotive Acoustic Engineering Services Market, By Region:

Dubai

Sharjah

Abu Dhabi

Rest of UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in UAE Automotive Acoustic Engineering Services Market

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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