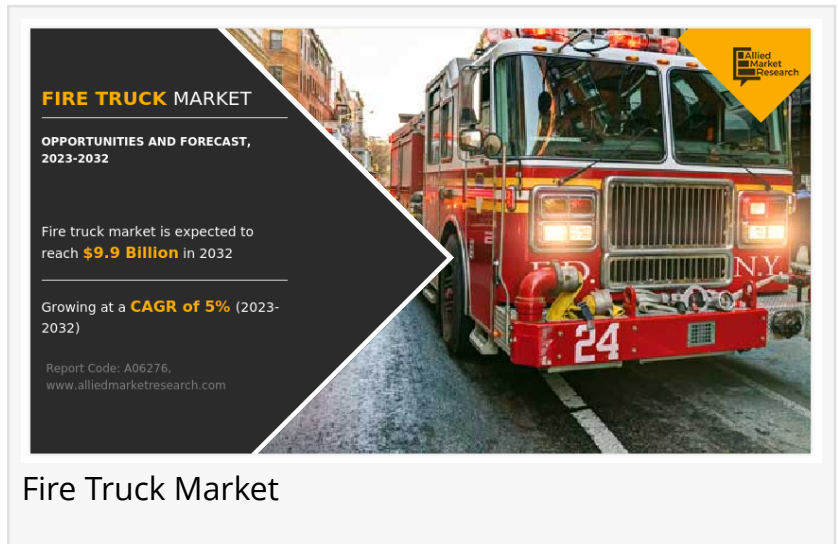


At a CAGR of 5% Fire Truck Market Expected to Reach \$9.9 billion by 2032 | AMR

By propulsion type, the electric segment is anticipated to exhibit significant growth in the near future.

WILMINGTON, NEW CASTLE, DELAWARE, UNITED STATES, July 8, 2024 /EINPresswire.com/ -- The growth of the global [fire truck market](#) is driven by factors such as stringent fire safety regulations, electrification of fire trucks, and the rise in replacement of aging fire truck fleets. However,

regulatory compliance and safety standards, and high initial investment hamper the growth of the market. On the contrary, the surge in the integration of advanced safety features, and technological advancements are expected to offer remunerative opportunities for the expansion of the fire truck market during the forecast period.



Fire Truck Market

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The growth of the global fire truck market is driven by factors such as the growth in stringent fire safety regulations, the electrification of fire trucks”

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The global fire truck market size was valued at \$6.2 billion in 2022, and is projected to reach \$9.9 billion by 2032, growing at a CAGR of 5% from 2023 to 2032.

The rise in the awareness of environmental sustainability

and the need to reduce carbon emissions have driven the demand for electric and hybrid fire trucks in Europe. Moreover, there is a surge in the development of the electric vehicle market in the firefighting sector. For instance, in October 2020, Rosenbauer, a manufacturer of fire-service vehicles and Volvo, a Swedish multinational manufacturer of luxury vehicles partnered to develop an innovative electric fire truck that offers zero-emission firefighting capabilities. The [electric fire truck aims](#) to address sustainability concerns and reduce environmental impact by eliminating tailpipe emissions associated with traditional diesel-powered fire trucks. Such

developments highlight the potential for electrification in specialized vehicle segments and promote the adoption of sustainable solutions in the fire truck industry.

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Based on the application, the residential and commercial segment held the highest market share in 2022, accounting for nearly half of the global [fire truck market revenue](#), and is estimated to maintain its leadership status throughout the forecast period as there is a surge in the manufacturers provide a wide range of residential fire trucks such as tanker firetrucks, and others to meet the specific needs of firefighting operations. However, the military segment is projected to manifest the highest CAGR of 8.0% from 2023 to 2032, owing to a rise in the number of contracts between the manufacturers and the defense sector to design, build and supply firefighting vehicles to meet these specific military requirements.

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According to the National Fire Protection Association (NFPA), a pumper fire truck is defined as a fire apparatus that includes a permanently installed fire pump with a capacity of at least 750 gallons per minute (3000 liters per minute). It is equipped with a water tank, hose body, and storage compartments for firefighting equipment. The primary purpose of a pumper fire truck is to combat structural fires and associated emergencies. The NFPA also specifies that pumper fire trucks must have a minimum of 40 cubic feet of enclosed weather-resistant compartmentation, which adheres to NFPA requirements. Pumper fire trucks exhibit versatility and are capable of being utilized in a range of firefighting situations, encompassing structural fires, vehicle fires, and brush fires.

Based on type, the pumper segment held the highest market share in 2022, accounting for more than two-fifths of the global fire truck market revenue, and is estimated to maintain its leadership status throughout the forecast period, as fire departments adopt electric pumper trucks to focus on sustainability and reducing their carbon footprint. However, the tanker segment is projected to manifest the highest CAGR of 7.6% from 2023 to 2032, owing to the rise in the demand for tanker fire trucks to support firefighting efforts by providing a substantial amount of water to extinguish the flames or support other firefighting apparatus.

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Based on region, Asia-Pacific held the highest market share in terms of revenue in 2022, accounting for more than two-fifths of the fire truck market revenue, and is likely to dominate

the market during the forecast period, as the manufacturers in the region aim to create partnerships and other strategies for the development of new and innovative fire truck solutions. However, the LAMEA region is expected to witness the fastest CAGR of 7.3% from 2023 to 2032, owing to a rise in the demand for customized fire trucks that cater to the specific requirements of the oil & gas, and military sector.

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Typically, these trucks are staffed with a team of firefighters responsible for operating the pump, deploying hoses, and executing other essential firefighting duties. Fire departments are increasingly focused on sustainability and reducing their carbon footprint, which has led to a growing interest in electric fire trucks. For instance, in October 2022, Pierce Manufacturing, a fire and rescue apparatus manufacturer entered into a contract with Gilbert Fire and Rescue Department in Arizona. The contract was secured for the procurement of the Volterra electric pumper, which is a specialized fire truck developed by Pierce Manufacturing. The Volterra electric pumper is designed as a custom fire truck with an electric powertrain, aiming to provide a more environmentally friendly solution for firefighting operations. Therefore, such increased interest in electric pumper fire trucks is expected to drive market demand and facilitate the advancement and wider adoption of sustainable firefighting technologies.

By type, the tanker segment is anticipated to exhibit significant growth in the near future.

By application, the military segment is anticipated to exhibit significant growth in the near future.

By propulsion type, the electric segment is anticipated to exhibit significant growth in the near future.

By region, LAMEA is anticipated to register the highest CAGR during the forecast period.

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