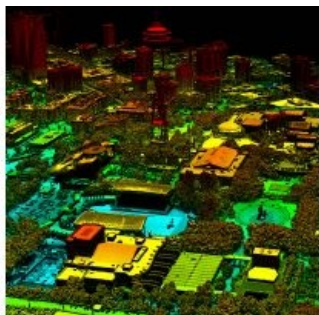


Global Lidar Mapping Market to Exceed US\$4 Billion by 2026



According to Global Market Insights, the worldwide Lidar in mapping market is expected to exceed US\$4 billion by 2026. The rising demand to reduce the risks associated with natural disasters such as floods, volcanic eruptions, and earthquakes is supporting the demand for Lidar in mapping solutions.

The [Lidar in mapping market](#) growth across the globe is attributed to the increase in government efforts to identify new sources of energy. Government authorities are using Lidar technology to locate suitable locations to place pipelines for the oil & gas industry. The private companies are also utilizing Lidar technology for quick & safe mapping of distant oil & gas fields. For instance, in July 2019, the Brazilian oil & gas inspection services provider, [Terra Drone Brazil](#) carried out extensive aerial Lidar mapping for Brazil's

state-owned energy company, [Petrobras](#). This Lidar mapping identified corrosion, cracks, and surface welding defects in cargo & ballast tanks at the fuel storage facilities. This helped in the timely maintenance and business continuity for Petrobras.

Lidar technology for town planning

Lidar requires huge resources that include Lidar equipment, software, and skilled professionals. The total cost of resources deployed for a single project is high, hindering market growth. Data acquisition requires a long-term period, restraining its deployment on several infrastructure projects.

Construction & surveying application is expected to grow significantly over the forecast timeline due to the rising demand for Lidar technology for town planning. The construction companies are using drones equipped with Lidar technology for survey-grade topographic mapping. This process significantly reduces human risks and operational costs in difficult terrains. Governments across the globe are entering into strategic alliances with prominent market players for several mapping & surveying projects. For instance, in June 2019, [Ordnance Survey](#), the national mapping agency of the UK, signed an agreement with [Terra Drone Europe](#) to provide a UAV (fixed-wing, multi-rotor) equipped with Lidar technology for mapping & surveying services. The deliverables will include Digital Terrain Models (DTM), orthomosaics, and digital surface models.

Disaster management

The increasing demand for improving disaster management systems across the developing countries including India, China, and Japan is fueling the Lidar in mapping market growth in the Asia Pacific region. For instance, in May 2017, the Japanese government deployed Lidar mapping systems to assess post-disaster damage which was the result of the Kumamoto earthquake in 2016. The acquired data was used for developing strategies to efficiently deliver and distribute relief resources during the occurrence of such emergencies. Lidar in mapping systems are being deployed extensively for geotagging of earthquake-prone areas and to assess the impact of landslides caused by earthquakes.

The companies operating in the Lidar in mapping market are focusing on introducing low-cost Lidar sensors to target the growing mapping markets across the world. For instance, in September 2019, [LeiShen Intelligent Systems](#) launched its new series of affordable and low-cost Lidar sensors, which targeted Chinese SMEs. The new product, automotive-grade hybrid [Lidar CH16 3D](#), is priced at USD 0.0599 per unit and will help the company gain significant traction among small enterprises in the region. The companies are also concentrating on innovative Lidar sensors to meet the changing demands of their customers.

Some major findings of the Lidar in mapping market report include:

- The market growth is attributed to the growing demand for improved urban planning due to the rising urban population and the development of smart cities.
- The increase in the demand for modern surveying techniques for oil & gas field inspection and archaeological surveys to ensure hazard-free operation is proliferating the adoption of Lidar mapping tools across Latin America.
- Companies operating in the real-estate sector are increasingly deploying Lidar mapping technology for ground surveying due to the high accuracy and precision requirements for the Digital Elevation Model (DEM).
- The drone mapping platform is expected to grow at a significant rate due to its ability to operate in difficult terrains and extreme weather conditions.

[For more information, see here.](#)

