

**Europe Land Survey Equipment Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Solution (Hardware, Software, and Services), Industry (Mining, Construction, Agriculture, Oil & Gas, and Others), Application (Volumetric Calculations, Inspection, Layout Points, Monitoring, and Others), and Hardware (GNSS Systems, Levels, 3D Laser Scanners, Total Stations, Theodolites, Unmanned Aerial Vehicles, Machine Control Systems, Machine Guidance Systems, and Others)**

Market Report | 2022-12-20 | 182 pages | The Insight Partners

**AVAILABLE LICENSES:**

- Single User Price \$3000.00
- Site Price \$4000.00
- Enterprise Price \$5000.00

**Report description:**

The Europe land survey equipment market is expected to grow from US\$ 2,067.42 million in 2022 to US\$ 3,139.92 million by 2028. It is estimated to grow at a CAGR of 7.2% from 2022 to 2028.

**Development of Terrestrial Laser Scanners**

The use of terrestrial laser scanners is growing steadily in land surveys. Terrestrial laser scanners with high precision systems can work under various environmental conditions and circumstances such as deep mines. Terrestrial laser scanners are most suitable for surveying the mining field as this industry needs accurate data to get the facility's as-built documentation, and the mines are deepened nowadays. Special attention is paid to the equipment that support vertical transport for the safe operation of underground mines. The terrestrial laser scanning is an active imaging ground-based method that provides an accurate, 3D point cloud of the object's surface with the help of laser range finding. The number of various terrestrial laser scanner instruments in remote sensing applications is increasing. Moreover, mobile systems that have platform georeferencing and integrated laser scanning are installed on rail cars, road vehicles, etc., to capture kinematic data. The use of mobile laser scanners is increasing

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dramatically for the compilation of asset inventories and rapid corridor mapping. Therefore, development of terrestrial laser scanners is expected to drive the market growth.

## Market Overview

The Europe land survey equipment market is sub-segmented to Germany, France, the UK, Italy, Spain, Belgium, and the Rest of Europe. The regional market is driven by the increasing construction and development activities. In 2022, the 5 largest construction projects were initiated in Europe. The first project is the Crown Round III offshore wind farm development project, which involves constructing an offshore wind farm in the Dogger Bank offshore zone, UK, with an investment of US\$ 4,392 million. The second project is the Madrid Metro expansion in Madrid, Spain, with an investment of US\$ 2,790 million. Krampnitz Housing Development is the third project, which involves the construction of the Krampnitz housing complex in Germany with an investment of US\$ 1,831 million. The fourth project is the development of Nantes New CHU Hospital in France with an investment of US\$ 1,424 million. The fifth and last project is a construction of a commercial complex at Ostendstraße 1-14, Berlin, Germany, with an investment of US\$ 1,293 million. Thus, the rising investment in construction projects will raise the demand for land survey equipment in Europe over the next few years. Market players, such as Hexagon AB, Robert Bosch GmbH, Gottlieb Nestle GmbH, and STONEX, are introducing advanced land surveying equipment to cater to customer demand, boosting the market in the region. For instance, in 2022, Hexagon AB announced the launch of a new Leica GS18 I, equipped with the company's calibration-free, tilt-compensating GNSS solution, which is immune to magnetic disturbances and the power of survey-grade visual positioning. Also, it enables the measurement of points from images. In addition, the solution can help professionals map areas that are difficult to reach physically, such as trenches, high power lines, busy roads, and areas underneath bridges or canopies effortlessly from a distance. Thus, such product developments by market players are expected to propel the market in the region during the forecast period. The CIS land survey equipment market is segmented into Russia, Kazakhstan, Ukraine, and the Rest of the CIS. The significant rise in construction activities is projected to lead to the CIS land survey equipment market in the coming years. Russia, the biggest country in the region, is working on various construction plans. In December 2021, the government of Russia announced the plans for a massive transport infrastructure growth program. Under this program, the Russian government has provided a budget of US\$ 1.78 billion for building new highway links. It will include the construction of the new M12 highway, which will link Moscow with Kazan and run through Nizhny Novgorod. In addition, the program also includes the construction of new sections for the M4 Don highway, 51km bypass construction around Krasnodar, and the construction of a 67km bypass around Aksay. Thus, such construction projects are expected to fuel the demand for land survey equipment in the region over the future years. Further, various infrastructure development projects are carried out in Kazakhstan, increasing the demand for land survey equipment in the CIS region. According to the International Trade Administration, the government of Kazakhstan is expected to invest US\$ 9 billion to develop the country's roads, railways, ports, airports, and IT infrastructure in a couple of years. In addition, in June 2022, President Tokayev announced that they will invest around US\$ 20 billion to enhance the diversification of transit and transport routes and the implementation of integrated logistics solutions till 2025. Such regional development activities will increase the demand for land survey equipment in CIS.

## Europe Land Survey Equipment Market Revenue and Forecast to 2028 (US\$ Million)

### Europe Land Survey Equipment Market Segmentation

The Europe land survey equipment market is segmented based on solution, industry, application, hardware, and country.

Based on solution, the Europe land survey equipment market is segmented into hardware, software, and services. The hardware segment held the largest market share in 2022. Based on industry, the Europe land survey equipment market is segmented into mining, construction, agriculture, oil and gas, and others. The construction segment held the largest market share in 2022. Based on application, the Europe land survey equipment market is segmented into volumetric calculations, inspection, layout points, monitoring, and others. The inspection segment held the largest market share in 2022. Based on hardware, the Europe land

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survey equipment market is segmented into GNSS systems, levels, 3D laser scanners, total stations, theodolites, unmanned aerial vehicles, machine control systems, machine guidance systems, and others. The GNSS systems segment held the largest market share in 2022. Based on country, the Europe land survey equipment market has been categorized into Germany, France, Italy, Spain, the UK, Belgium, Russia, Kazakhstan, Ukraine, rest of CIS, and the Rest of Europe. Our regional analysis states that Germany dominated the market share in 2022. GUANGDONG KOLIDA INSTRUMENT CO., LTD.; Hexagon AB; Hi-Target; PENTAX Surveying; Robert Bosch Tool Corporation; Shanghai Huace Navigation Technology Ltd.; South Surveying & Mapping Technology CO., LTD.; Suzhou FOIF Co., Ltd.; Topcon Corporation; and Trimble Inc. are the leading companies operating in the Europe land survey equipment market.

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