

Construction Telemetry Market is Forecasted to Reach a Value of US \$7.21 Billion by 2029

*The Business Research Company's
Construction Telemetry Global Market
Report 2025 – Market Size, Trends, And
Global Forecast 2025-2034*

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Construction Telemetry Global Market Report 2025

What Is The Expected Cagr For The [Construction Telemetry Market](#) Through 2025?

The size of the construction telemetry market has experienced robust expansion in the past few years. The market is anticipated to expand from \$5.22 billion in 2024 to \$5.59 billion in 2025, projecting a compound annual growth rate (CAGR) of 6.9%. Factors contributing to growth in this historic period include amplified demand for fleet tracking solutions, escalating concentration on worker safety, amplified utilization of GPS-based tracking systems, an increase in the theft of construction equipment, and enhanced wireless connectivity.

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Expectations indicate a robust growth in the construction

telemetry market in the forthcoming years. The market is projected to reach a value of \$7.21 billion by 2029, expanding at a compound annual growth rate (CAGR) of 6.6%. The predicted growth during the forecasted period can be credited to the emergence of intelligent construction sites, escalated investments in upgrading infrastructure, a heightened emphasis on reducing carbon emissions, an intensified need for real-time machinery diagnostics, and a rising demand for automation in construction logistics. Key trends during the projection period include the incorporation of 5G into telemetry systems, the advent of IoT-based sensors, utilization of drones for site surveillance, implementation of blockchain for data protection, and the use of satellite-assisted telemetry in remote locations.

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What Are The Driving Factors Impacting The Construction Telemetry Market?

The growth of the construction telemetry market is likely to be accelerated by the development of intelligent infrastructure projects. Advanced technology methods such as sensors, data analytics, and automation are used in smart infrastructure projects to enhance efficiency and sustainability. The trend of urbanization has led to the increase of smart infrastructure projects, helping cities cope better with growing populations and resource needs. Construction telemetry offers real-time data on materials, equipment, and site conditions, which benefits smart infrastructure projects by improving resource management, encouraging predictive maintenance, and enabling effortless integration with smart city systems to boost project implementation and sustainable operation. For instance, Indonesia's National Long-Term Development Plan (RPJPN) 2025–2045, as reported by Modern Diplomacy in May 2024, aims for economic strengthening and improving quality of life by advancing digital infrastructure, innovative public services, and expanding smart cities from 25 to 100 through sustainable infrastructure and green technology. As a result, the graduation of smart infrastructure is driving the growth of the construction telemetry market. Growth in the real estate industry due to urbanization and infrastructural progress also contributes to the growth of the construction telemetry market. The business of buying, developing, managing, and selling land and properties, including residential, commercial, and industrial buildings, makes up the real estate industry. Aspects such as urbanization, population increase, rising income levels, infrastructural expansion, and escalated demand for residential and commercial spaces, are propelling the rise of the real estate industry. Construction telemetry is utilized in the real estate industry for distant monitoring of equipment performance, project progress, and site conditions in real time, hence enhancing decision-making efficiency. The Australian Bureau of Statistics, for example, reported in July 2025 that in comparison to April, the number of private sector houses rose by 0.5% to 9,454 in May 2025, while private sector dwellings excluding houses increased by 11.3% to 5,571. As a result, the expansion of the real estate industry is propelling the growth of the construction telemetry market.

Which Players Dominate The Construction Telemetry Industry Landscape?

Major players in the Construction Telemetry Global Market Report 2025 include:

- Caterpillar Inc.
- Deere & Company
- Komatsu Ltd.
- Kubota Corporation
- Hilti Corporation
- Hexagon AB
- Trimble Inc.
- Topcon Positioning Systems Inc.
- Clarience Technologies LLC
- Geotab Inc.

Global [Construction Telemetry Market Segmentation](#) By Type, Application, And Region

The construction telemetry market covered in this report is segmented –

- 1) By Component: Hardware, Software, Service
- 2) By Technology: Global Positioning System (GPS), Cellular, Satellite, Radio-Frequency Identification (RFID), Other Technologies
- 3) By Application: Fleet Management, Safety And Security, Remote Operations And Monitoring, Fuel Management, Maintenance And Repair, Other Applications
- 4) By End User: Residential Construction, Commercial Construction, Industrial Construction, Infrastructure And Heavy Construction

Subsegments:

- 1) By Hardware: Sensors, Data Loggers, GPS Modules, Antennas, Telemetry Devices, Communication Modules
- 2) By Software: Data Analysis Software, Telemetry Monitoring Software, Predictive Maintenance Software, Remote Configuration Software
- 3) By Services: Installation And Integration Services, Maintenance And Support Services, Consulting Services, Training Services

View the full construction telemetry market report:

<https://www.thebusinessresearchcompany.com/report/construction-telemetry-global-market-report>

Which Region Holds The Largest Market Share In The Construction Telemetry Market?

North America was the largest region in the construction telemetry market in 2024. Asia-Pacific is expected to be the fastest-growing region in the forecast period. The regions covered in the construction telemetry market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

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