

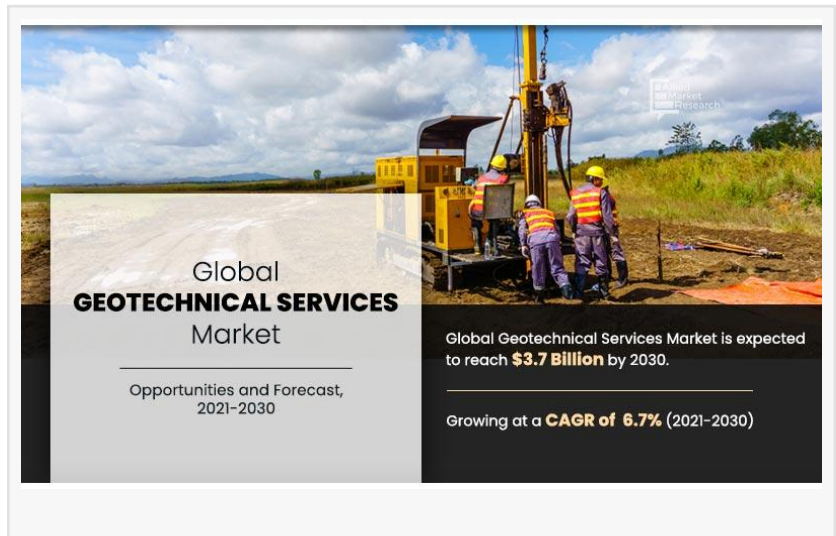
Geotechnical Services Market to Soar \$3.7 Billion by 2030, Driven by Infrastructure Boom

□ *Global Geotechnical Services Industry Poised for Growth Amid Smart City and Energy Project Expansions* □

WILMINGTON, DE, UNITED STATES, July 2, 2025 /EINPresswire.com/ --

□ Global Geotechnical Services Industry Overview □

According to a recent report by Allied Market Research, the global [geotechnical services market](#) size was valued at \$1.9 billion in 2020 and is projected to reach \$3.7 billion by 2030, growing at a CAGR of 6.7% from 2021 to 2030. Geotechnical services play a crucial role in evaluating soil, rock, and underground conditions before launching large-scale construction and energy projects.



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Global geotechnical services market to reach \$3.7 Bn by 2030 □. Infrastructure growth, energy projects, & tech adoption drive momentum. □”

Allied Market Research

These services are essential for civil infrastructure, mining, oil & gas exploration, marine construction, and municipal development, ensuring safety, structural integrity, and environmental compliance.

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□ Key Report Highlights – Summary □

□ Global market to grow from \$1.9 Bn in 2020 to \$3.7Bn by 2030 at 6.7% CAGR

□□ Underground city space is the dominant type, driven by megacity infrastructure

□ North America leads, but Asia-Pacific shows fastest regional growth

□ Oil & gas segment to grow at 7.2% CAGR, driven by exploration demand

□□ Technological innovation and risk mitigation are transforming the industry

□ Key Market Drivers & Trends

1. □ Rapid Urbanization and Infrastructure Growth

The demand for new buildings, tunnels, bridges, and highways—particularly in emerging economies—has significantly increased the need for site-specific ground assessments. Urbanization, smart cities, and megacities all rely on underground planning, making geotechnical services indispensable.

2. □ Energy & Oil Exploration Projects

Energy sector developments, especially in the oil & gas and renewable energy segments, are pushing the need for advanced soil testing, seismic studies, and deep foundation assessments. The oil & gas segment is projected to grow at a CAGR of 7.2%.

3. □□ Technological Advancements

Innovations such as 3D geotechnical modeling, real-time ground monitoring, drone-based surveying, and data analytics are boosting service efficiency and accuracy. These advancements also reduce time and costs in large-scale projects.

4. □ Sustainability in Construction

Governments and corporations are increasingly demanding sustainable construction solutions. Geotechnical services now factor in soil erosion prevention, flood resilience, and eco-friendly foundation planning, aligning with [global environmental goals](#).

5. □□ Disaster Risk Management

With rising concerns around earthquakes, landslides, and floods, geotechnical surveys help mitigate risks by evaluating site vulnerabilities, thus safeguarding lives and investments.

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□□ Regional Insights

□ North America: Market Leader

In 2020, North America dominated the global market and is expected to grow at a CAGR of 6.3%. This region's growth is fueled by the presence of major players like AECOM, WSP, and HDR, along with significant investments in [smart infrastructure and energy](#).

□ Asia-Pacific: Rapid Expansion

Asia-Pacific is witnessing strong growth due to urban expansion, road development, and megacity planning. Countries like China and India are investing heavily in both public and private construction projects, making this region highly lucrative.

□ Market Segmentation

By Type:

Underground City Space: Largest segment in 2020 due to increased demand for metro rail, parking structures, and underground utility tunnels.

Slope & Excavation

Ground & Foundation

By Application:

Municipal: Dominant in 2020, driven by sewer systems, subways, and public buildings.

Oil & Gas: Fastest growing, especially for offshore drilling platforms and pipeline support.

Building Construction, Marine, Mining, and Tunnels & Bridges also contribute significantly.

□ COVID-19 Impact on the Geotechnical Services Market

The pandemic initially disrupted operations across infrastructure and industrial sectors. Cities like Boston halted construction, supply chains were disrupted, and labor shortages slowed down geotechnical projects. However, post-pandemic recovery has seen a resurgence, fueled by stimulus packages and resumed megaprojects.

□ Key Players

Leading global companies driving innovation and market expansion include:

AECOM

Fugro

WSP

HDR

Stantec

Geoquip Marine

Gardline Limited

Arup

Kiewit Corporation

These firms are integrating digital technologies into their offerings, improving geotechnical monitoring accuracy and project feasibility forecasting.

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□ Conclusion

The geotechnical services market is on a strong upward trajectory, fueled by infrastructure expansion, smart city development, and the need for resilient and sustainable construction. With a rising global focus on environmental preservation, disaster risk reduction, and energy exploration, geotechnical evaluations have become a cornerstone of modern development projects.

As technology transforms traditional surveying and monitoring methods, the industry is expected to see significant improvements in efficiency, accuracy, and sustainability. The future of construction, energy, and infrastructure is deeply rooted in the ground—and geotechnical services are leading the way.

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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