

AI in Construction Market Size, Share, and Outlook, 2025 Report- By Application (Project management, Field management, Risk management, Schedule management, Supply chain management, Others), By Type (Residential, Institutional commercials, Heavy construction, Others), By Deployment (Cloud Based, On-premise), By Technology (Machine learning and deep learning, Natural Language Processing (NLP), By Stage (Pre-construction, Construction stage, Post-construction), By Component (Solutions, Services), 2018-2032

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Abstracts

AI in Construction Market Outlook

The AI in Construction Market size is expected to register a growth rate of 23.5% during the forecast period from \$4.24 Billion in 2025 to \$18.6 Billion in 2032. The AI in Construction market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on AI in Construction segments across 22 countries from 2021 to 2032. Key segments in the report include By Application (Project management, Field management, Risk management, Schedule management, Supply chain management, Others), By Type (Residential, Institutional commercials, Heavy construction, Others), By Deployment (Cloud Based, On-premise), By Technology (Machine learning and deep learning,

Natural Language Processing (NLP), By Stage (Pre-construction, Construction stage, Post-construction), By Component (Solutions, Services). Over 70 tables and charts showcase findings from our latest survey report on AI in Construction markets.

AI in Construction Market Insights, 2025

The AI in Construction Market is experiencing rapid growth, driven by the adoption of AI-powered predictive project scheduling, automation-enhanced real-time site monitoring, and machine learning-powered risk assessment. Key players such as Procore, Autodesk, ALICE Technologies, and OpenSpace are developing automated AI-driven construction progress tracking, IoT-integrated real-time worker safety monitoring, and blockchain-backed secure project documentation. The increasing demand for AI-powered real-time materials cost optimization, automation-driven autonomous construction equipment, and machine learning-enhanced infrastructure risk management is fueling adoption. However, challenges in AI-powered compliance with construction safety regulations, cybersecurity risks in automation-enhanced digital twin technology, and technical limitations in AI-driven ultra-large-scale project simulations persist. Additionally, corporate investment in AI-powered smart construction solutions, evolving trends in automation-enhanced sustainability in construction, and federal discussions on AI-driven infrastructure modernization are influencing market expansion.

Five Trends that will define global AI in Construction market in 2025 and Beyond

A closer look at the multi-million market for AI in Construction identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading AI in Construction companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of AI in Construction vendors.

What are the biggest opportunities for growth in the AI in Construction industry?

The AI in Construction sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial

decisions with unique insights, data forecasts, and in-depth market analyses.

AI in Construction Market Segment Insights

The AI in Construction industry presents strong offers across categories. The analytical report offers forecasts of AI in Construction industry performance across segments and countries. Key segments in the industry include%li%By Application (Project management, Field management, Risk management, Schedule management, Supply chain management, Others), By Type (Residential, Institutional commercials, Heavy construction, Others), By Deployment (Cloud Based, On-premise), By Technology (Machine learning and deep learning, Natural Language Processing (NLP), By Stage (Pre-construction, Construction stage, Post-construction), By Component (Solutions, Services). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, AI in Construction market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global AI in Construction industry ecosystem. It assists decision-makers in evaluating global AI in Construction market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the AI in Construction industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific AI in Construction Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam

coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe AI in Construction Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for AI in Construction with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key AI in Construction market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US AI in Construction market Insights%li%Vendors are exploring new opportunities within the US AI in Construction industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US AI in Construction companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American AI in Construction market.

Latin American AI in Construction market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing

activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa AI in Construction Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African AI in Construction markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern AI in Construction markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How AI in Construction companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Alice Technologies, Aurora Computer Services, Autodesk, Building System Planning, eSUB, IBM, Microsoft, Oracle, SAP, Smartvid.io.

AI in Construction Market Segmentation

By Application

Project management

Field management

Risk management

Schedule management

Supply chain management

Others

By Type

Residential

Institutional commercials

Heavy construction

Others

By Deployment

Cloud Based

On-premise

By Technology

Machine learning and deep learning

Natural Language Processing (NLP)

By Stage

Pre-construction

Construction stage

Post-construction

By Component

Solutions

Services

Leading Companies

Alice Technologies

Aurora Computer Services

Autodesk

Building System Planning

eSUB

IBM

Microsoft

Oracle

SAP

Smartvid.io

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities

based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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By Application

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Field management

Risk management

Schedule management

Supply chain management

Others

By Type

Residential

Institutional commercials

Heavy construction

Others

By Deployment

Cloud Based

On-premise

By Technology

Machine learning and deep learning

Natural Language Processing (NLP)

By Stage

Pre-construction

Construction stage

Post-construction

By Component

Solutions

Services

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Alice Technologies

Aurora Computer Services

Autodesk

Building System Planning

eSUB

IBM

Microsoft

Oracle

SAP

Smartvid.io

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