

Malaysia Construction Industry Market Size & Forecast - by Value and Volume (area and units), 40+ Market Segments Across Residential, Commercial, Industrial, Institutional, Infrastructure Construction, City Level Construction by Value and Construction Cost Structure, Q1 2025 Update

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Report description:

According to ConsTrack360, construction market in Malaysia is expected to grow by 6.1% on annual basis to reach MYR 70,407.9 million in 2025.

The construction market in the country experienced robust growth during 2020-2024, achieving a CAGR of 10.5%. This upward trajectory is expected to continue, with the market forecast to grow at a CAGR of 4.8% during 2025-2029. By the end of 2029, the construction sector is projected to expand from its 2024 value of MYR 66,333.9 million to approximately MYR 89,861.0 million.

This report provides a detailed data-centric analysis of the construction sector in Malaysia, offering a comprehensive view of market opportunities in the building and infrastructure construction industry at the country level. With over 100+ KPIs covering growth dynamics in building and infrastructure construction, construction cost structure analysis, and analysis by key cities in the country, this databook provides a wealth of data-centric analysis with charts and tables, ensuring stakeholders are fully informed.

It offers a comprehensive analysis of market dynamics in the construction sector through a range of KPIs such as value, volume, and number of units. The building construction covers detailed segmentation over 30+ segments in residential, commercial, industrial, and institutional sectors.

ConsTrack360's research methodology is based on industry best practices. Its unbiased analysis leverages a proprietary analytics platform to offer a detailed view of emerging business and investment market opportunities.

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Key Insights

Malaysia Residential Construction

Malaysia's growing urban population and government-backed housing programs present significant opportunities for developers in the affordable housing segment. By leveraging policy incentives and technological advancements, firms can meet evolving market demands while ensuring project profitability. However, rising construction costs and regulatory complexities require careful financial planning and close collaboration with authorities. Addressing these issues will be key to maintaining project timelines and keeping housing prices within an affordable range. To remain competitive, stakeholders should prioritize sustainable building practices, utilize available government incentives, and integrate modern construction technologies. By doing so, Malaysia's residential construction sector can achieve long-term stability and contribute to broader economic growth.

Macroeconomic Factors

- Rising inflation has significantly impacted Malaysia's residential construction sector, increasing material and labor costs. As a result, property prices have increased, reducing affordability for potential homebuyers and slowing market growth.
- Urbanization and population expansion continue to drive the demand for affordable housing, prompting developers to explore cost-effective and energy-efficient building solutions. Sustainable housing concepts, including solar-powered homes and green-certified buildings, are gaining traction to meet regulatory and consumer expectations.
- Despite strong demand, the industry faces financing restrictions and land scarcity challenges, particularly in prime urban locations. Complex regulatory processes further contribute to project delays, increasing overall development costs and limiting the speed at which new housing units can be delivered.

Project Landscape

- Several large-scale affordable housing initiatives are underway, with government and private developers working to expand the housing supply. In major cities such as Kuala Lumpur and Penang, mixed-use residential complexes are being developed to accommodate the growing urban population while integrating commercial and public spaces.
- The Malaysian government collaborates with private developers through Public-Private Partnerships (PPPs) to accelerate housing projects. By providing incentives and funding support, these partnerships ensure the construction of affordable housing units while sharing financial risks between the public and private sectors.
- Substantial funding has been allocated under the 12th Malaysia Plan to expand residential construction, particularly focusing on affordable housing and urban redevelopment. The investment outlook remains positive, with policymakers emphasizing housing accessibility and sustainability in upcoming projects.

Government Policies & Programs

- Malaysia's National Affordable Housing Policy is central to addressing housing shortages by setting specific targets for affordable units by 202 This initiative aligns with the government's broader strategy to enhance homeownership rates, especially among lowand middle-income groups.
- The government has introduced stamp duty exemptions and subsidized financing schemes to ease the financial burdens on first-time homebuyers. These incentives improve affordability, making homeownership more accessible while stimulating demand in the residential sector.
- Regulatory reforms aim to simplify housing project approval processes and reduce bureaucratic delays. By streamlining development regulations, authorities seek to expedite project completion timelines, ultimately increasing the supply of affordable homes in high-demand areas.

Industry-Specific Developments

- Adopting Building Information Modeling (BIM) and prefabrication techniques improves construction efficiency, reduces waste, and lowers project costs. These technological advancements enable developers to optimize design processes and enhance project

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management capabilities.

- Sustainability efforts in residential construction have accelerated, with many developments obtaining green building certifications. Developers are integrating renewable energy sources and eco-friendly materials to reduce carbon footprints and align with global environmental standards.
- A shortage of skilled labor remains a pressing concern, prompting investment in training programs and automation technologies. As the construction sector progresses toward digitalization, upskilling workers in modular construction and robotics will be essential to maintaining productivity.

Malaysia Commercial Construction

Malaysia's emerging economic zones and government-backed incentives offer substantial opportunities for commercial real estate developers. The rise of digital industries and flexible workspaces presents new avenues for investment in innovative office and retail environments. However, adapting to market shifts and technological disruptions remains a challenge. Developers must remain agile in response to changing tenant preferences, evolving retail trends, and increasing demands for energy-efficient buildings. To remain competitive, stakeholders should embrace smart technologies, integrate sustainability measures, and leverage government incentives. By doing so, Malaysia's commercial construction sector can sustain long-term growth and enhance its global competitiveness.

Macroeconomic Factors

- Rising inflation has increased material and labor costs in Malaysia's commercial construction sector, making the development of office buildings, retail centers, and mixed-use commercial spaces more expensive. These cost pressures have forced developers to reassess project budgets and construction timelines.
- As work patterns shift towards hybrid and remote models, there is a growing demand for flexible office spaces and integrated commercial hubs. Businesses prioritize mixed-use developments that combine office, retail, and leisure facilities to optimize space utilization and enhance tenant attraction.
- Despite strong development activity, market saturation in prime locations and shifting retail preferences pose challenges for commercial construction. Developers are repurposing underutilized retail and office spaces into alternative uses such as co-working hubs, entertainment centers, and residential units.

Project Landscape

- Kuala Lumpur continues to see major commercial developments, including high-rise office towers and business districts catering to multinational corporations and start-ups. Meanwhile, emerging economic zones such as Johor and Penang are attracting investments in commercial complexes and technology parks.
- Private developers lead the commercial construction sector, with the government playing a facilitative role by investing in public infrastructure and streamlining regulatory processes. Public-Private Partnerships (PPPs) are also being explored for large-scale projects in high-growth business corridors.
- Investments in commercial construction are expected to increase, especially in technology parks and business process outsourcing (BPO) centers. These developments align with Malaysia's efforts to position itself as a regional hub for digital businesses and high-value services.

Government Policies & Programs

- The government has prioritized the development of Digital Free Trade Zones (DFTZs) and Special Economic Areas (SEAs) to attract foreign direct investments (FDI) and boost commercial activity . These initiatives create new opportunities for office, retail, and logistics developments.
- Developers can obtain tax incentives and financial support for investing in designated economic corridors and high-tech industries. These incentives encourage the construction of innovation hubs and commercial districts tailored to digital and knowledge-based economies.
- Recent revisions in zoning laws have simplified the approval process for mixed-use developments, making it easier for

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developers to integrate office, residential, and retail spaces. These regulatory improvements enhance Malaysia's business-friendly environment and increase commercial property investments.

Industry-Specific Developments

- Integrating smart building technologies and the Internet of Things (IoT) transforms commercial properties by enhancing energy efficiency and facility management. Developers are incorporating automated lighting, climate control, and Al-driven security systems to improve operational efficiency.
- Sustainability remains a top priority, with increasing commercial buildings seeking green certifications such as the Green Building Index (GBI) and LEED accreditation. These initiatives align with Malaysia's broader carbon reduction goals and rising investor demand for eco-friendly developments.
- Commercial construction requires a highly skilled workforce, particularly in digital facility management and sustainable building practices. Training programs focused on smart building maintenance and energy efficiency are being introduced to upskill workers to address this demand.

Malaysia Institutional Construction

Malaysia's continued investments in institutional construction offer long-term opportunities for developers and contractors. Modernizing education and healthcare facilities will play a crucial role in shaping the country's future workforce and medical capabilities. However, rising costs and regulatory hurdles remain key challenges, requiring better budget planning and streamlined approval processes. Strategic collaboration between the public and private sectors can help mitigate these risks and accelerate project delivery. To capitalize on growth opportunities, stakeholders should leverage government funding programs, adopt sustainable building practices, and integrate smart technologies in institutional developments. These approaches will ensure long-term resilience and efficiency in Malaysia's institutional construction sector.

Macroeconomic Factors

- Institutional construction in Malaysia faces budget constraints due to inflation. Rising costs for materials and labor put pressure on publicly funded projects. These financial limitations often result in project delays or the need for phased development to manage expenses.
- A major trend in the sector is the upgrading of educational and healthcare infrastructure to meet international standards. New university campuses, modernized hospitals, and research centers are being developed to enhance the country's academic and medical capabilities.
- Despite government support, institutional construction is vulnerable to budget overruns and bureaucratic delays. Lengthy approval processes and shifting policy priorities can slow down projects, impacting the timely delivery of essential public services.

Project Landscape

- Malaysia invests heavily in new universities, hospitals, and research facilities, with notable projects in Kuala Lumpur, Penang, and Johor. These developments aim to improve access to higher education and healthcare while supporting the country's long-term socio-economic growth.
- While the public sector remains the primary driver of institutional construction, private-sector involvement is increasing. To leverage private expertise and funding, Public-Private Partnerships (PPPs) are being explored, particularly in specialized healthcare facilities.
- Under various national development plans, the government has allocated significant funds to expand and modernize institutional infrastructure. The investment outlook remains strong, with additional financing expected for higher education, medical innovation centers, and vocational training institutes.

Government Policies & Programs

- Malaysia's National Higher Education Blueprint plays a central role in expanding and modernizing universities and colleges. This initiative aligns with the government's vision to enhance Malaysia's position as a regional education hub.

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- The government offers grants and low-interest loans to universities, hospitals, and research institutions to support institutional upgrades. These funding mechanisms help institutions improve their infrastructure without overburdening their financial resources.
- Various regulatory frameworks have been introduced to streamline construction approvals for institutional projects. By reducing red tape and improving coordination between agencies, the government aims to accelerate project completion timelines.

Industry-Specific Developments

- Adopting digital learning infrastructure is transforming educational institutions, with investments in smart classrooms and high-tech research labs. These advancements align with Malaysia's push toward a knowledge-based economy.
- Sustainability is a key focus, with new institutional buildings incorporating green designs, energy-efficient systems, and renewable energy sources. Hospitals and universities increasingly seek Green Building Index (GBI) certification to align with environmental goals.
- Workforce challenges persist, particularly in the healthcare sector, where there is a growing demand for medical professionals and specialized staff. Training programs and skill development initiatives are being introduced to address these shortages and meet industry needs.

Malaysia Industrial Construction

Malaysia's strong government support, tax incentives, and policy-driven initiatives make it a highly attractive destination for industrial investments. The growth of high-tech manufacturing and logistics infrastructure presents substantial opportunities for developers and investors. However, regulatory hurdles and workforce shortages require urgent intervention. Streamlining approval processes and enhancing skills training programs will be crucial to overcoming these challenges and sustaining industrial growth. To remain competitive, companies should leverage government incentives, invest in Industry 4.0 technologies, and prioritize sustainable construction practices. With these strategies, Malaysia's industrial sector can continue expanding, reinforcing its position as a leading regional hub for high-tech manufacturing and logistics.

Macroeconomic Factors

- Rising material costs and supply chain disruptions have significantly increased the cost of industrial construction in Malaysia, particularly for essential materials such as steel and cement. Additionally, inflationary pressures have led to higher wages for skilled labor, raising overall project expenses.
- The electrical and electronics (E&E) sector continues to expand, cementing Malaysia's role as a key global player in semiconductor production. Simultaneously, the surge in logistics and warehousing projects, fueled by e-commerce growth, drives demand for new distribution centers and fulfillment hubs.
- Despite increased foreign direct investment (FDI) in high-tech industries, challenges such as lengthy regulatory approvals and limited land availability in key economic zones pose risks to industrial expansion. Workforce shortages, particularly in high-tech industrial construction, remain a pressing concern.

Project Landscape

- Key industrial projects in Malaysia include expanding Kulim Hi-Tech Park (Kedah) and Batu Kawan Industrial Park (Penang), attracting major multinational corporations . Amazon Web Services (AWS) and other logistics firms also invest in large-scale e-commerce logistics centers to meet rising consumer demand.
- The private sector leads investments in manufacturing facilities, logistics hubs, and data centers, supported by government-backed facilitation. The Malaysian Investment Development Authority (MIDA) is crucial in securing and streamlining these investments.
- Malaysia's National Investment Aspirations (NIA) strategy promotes industrial sector growth by focusing on high-value industries such as renewable energy and automation. Under the 12th Malaysia Plan (2021-2025), significant funds have been allocated to support industrial parks and technology-driven manufacturing projects.

Government Policies & Programs

- Malaysia's National Fourth Industrial Revolution (4IR) Policy promotes automation and smart factories, encouraging companies to adopt advanced manufacturing technologies. The Industry4WRD Initiative supports this transformation by funding and training for Industry 4.0 adoption.
- The government has introduced tax incentives to attract foreign investments, including a 10-year tax exemption for high-tech industries. The Green Technology Financing Scheme (GTFS) also offers financial support for sustainable industrial projects, facilitating the transition towards green manufacturing.
- The federal government implements national policies to drive industrial growth, such as MIDA's Industrial Development Plan. Meanwhile, state governments provide location-based incentives to encourage companies to set up operations in strategic industrial zones.

Industry-Specific Developments

- Adopting automation, robotics, and AI is transforming Malaysia's industrial construction sector, leading to increased efficiency and reduced dependency on manual labor. Digital Twin Technology is also gaining traction, allowing developers to simulate and optimize factory layouts before construction begins.
- Sustainability remains a priority, with Malaysia focusing on developing low-carbon industrial parks and increasing the use of renewable energy in manufacturing. Additionally, green building certifications are becoming standard in industrial construction, ensuring long-term environmental compliance.
- The demand for skilled workers in Al-driven manufacturing is rising, yet the supply remains insufficient. To address this gap, training programs under Technical and Vocational Education and Training (TVET) are being expanded to equip the workforce with relevant skills for modern industrial construction.

Malaysia Infrastructure Construction

Government-backed infrastructure projects provide stability and long-term opportunities for contractors and investors. With increased focus on sustainability and digital infrastructure, innovative solutions are emerging in transportation, energy, and urban development. However, budget constraints, regulatory delays, and shifting political landscapes pose significant challenges. Streamlining approval processes and ensuring consistent policy support will be crucial in maintaining sector growth. Infrastructure developers should focus on strategic partnerships with government agencies and foreign investors to remain competitive while integrating smart technologies and green building practices. These measures will ensure long-term success in Malaysia's evolving infrastructure landscape.

Macroeconomic Factors

- Rising steel, cement, and fuel costs have significantly increased infrastructure project expenses in Malaysia, affecting both public and private sector developments. The country's reliance on imported materials has further contributed to price volatility, making project cost management a key challenge.
- The industry is witnessing a transportation infrastructure boom, with ongoing investments in highways, rail networks, and urban transit systems. Additionally, sustainability-driven initiatives, such as solar farms and low-carbon transport projects, are gaining traction to support Malaysia's climate commitments.
- Despite ongoing developments, budget constraints remain a major challenge as public infrastructure projects rely heavily on government funding. Regulatory delays and land acquisition issues further slow progress, while some large-scale projects face opposition from environmental and community groups.

Project Landscape

- Major infrastructure projects, including the Mass Rapid Transit 3 (MRT3) Circle Line and East Coast Rail Link (ECRL), are expected to transform Malaysia's transportation landscape. The Pan Borneo Highway and Johor-Singapore Rapid Transit System (RTS Link) will improve regional connectivity and enhance cross-border travel efficiency.
- The public sector dominates large-scale infrastructure developments, with projects funded through government budgets and

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international investments, such as those from China's Belt and Road Initiative (BRI). The private sector also plays an increasing role through Public-Private Partnerships (PPPs) in toll roads, water supply, and renewable energy projects.

- The 12th Malaysia Plan (2021-2025) has allocated significant funding to infrastructure, particularly for transportation, renewable energy, and smart city developments. With continued foreign and private investments, Malaysia's infrastructure sector is expected to grow steadily in the coming years.

Government Policies & Programs

- The National Transport Policy 2019-2030 provides a strategic roadmap for Malaysia's transport sector, outlining key rail, highway, and airport expansion projects. The Low Carbon Mobility Blueprint also promotes electric vehicle (EV) adoption and green transport solutions to reduce emissions.
- The government offers infrastructure investment tax incentives to support infrastructure expansion. Companies investing in transport, logistics, and digital infrastructure can qualify for tax deductions. Programs such as the Green Technology Financing Scheme (GTFS) fund eco-friendly infrastructure projects.
- The government oversees major infrastructure projects at the federal level, managing budgets and regulatory approvals. State governments handle local infrastructure needs, such as road maintenance, water supply, and waste management, ensuring region-specific requirements are met efficiently.

Industry-Specific Developments

- Technological advancements are shaping infrastructure construction, with Artificial Intelligence (AI) being tested for smart traffic management in Kuala Lumpur. Building Information Modeling (BIM) is also enhancing design accuracy and reducing inefficiencies in large-scale projects.
- Malaysia is expanding renewable energy infrastructure, with increased investments in solar and wind power projects to support its sustainability goals. New public infrastructure developments are also required to meet energy efficiency and carbon reduction targets, promoting green building standards.
- The industry faces a high demand for engineers and skilled labor, particularly in rail and highway construction. Government-led upskilling programs are being implemented to address workforce shortages, aiming to reduce dependence on foreign labor and strengthen local expertise.

Table of Contents:

- 1 About this Report
- 1.1 Methodology
- 1.2 Definitions
- 1.3 Disclaimer
- 2 Malaysia Construction Industry Dynamics and Growth Prospects
- 2.1 Construction Industry Growth Dynamics
- 2.1.1 Malaysia Construction Industry Market Size by Value, 2020 2029
- 2.1.2 Malaysia Building Construction Industry Market Size by Value, 2020 2029
- 2.1.3 Malaysia Infrastructure Construction Industry Market Size by Value, 2020 2029
- 2.1.4 Market Share Analysis by Building Construction Sectors, 2020 2029
- 2.1.5 Market Share Analysis by Infrastructure Construction Markets, 2020 2029
- ${\it 2.1.6~Malaysia~Green~Construction~Industry~Market~Size~by~Value,~2020~-~2029}$
- 2.1.7 Malaysia Green Building Construction Industry Market Size by Value, 2020 2029
- 2.1.8 Malaysia Green Infrastructure Construction Industry Market Size by Value, 2020 2029
- 2.1.9 Market Share Analysis by Green Building Construction Sectors, 2020 2029
- 3 Key economic indicators of Malaysia

Scotts International, EU Vat number: PL 6772247784

- 3.1 Malaysia Population Trend Analysis
- 3.2 Malaysia Gross Domestic Product Trend Analysis
- 3.3 Malaysia Gross Domestic Product Per Capita
- 3.4 Malaysia Total Investments Trend Analysis
- 3.5 Malaysia Inflation Trend Analysis
- 4 Malaysia Building Construction Analysis by Key Cities
- 4.1 Snapshot of Building Construction Markets by Key Cities
- 4.2 City-1 Building Construction Markets Snapshot
- 4.3 City-2 Building Construction Markets Snapshot
- 4.4 City-3 Building Construction Markets Snapshot
- 4.5 City-4 Building Construction Markets Snapshot
- 4.6 City-5 Building Construction Markets Snapshot
- 4.7 City-6 Building Construction Markets Snapshot
- 4.8 City-7 Building Construction Markets Snapshot
- 4.9 City-8 Building Construction Markets Snapshot
- 4.10 City-9 Building Construction Markets Snapshot
- 4.11 City-10 Building Construction Markets Snapshot
- 5 Malaysia Residential Construction Industry Market Size and Forecast
- 5.1 Residential Building Construction Market Size by Value, 2020 2029
- 5.2 Residential Building Construction Market Size by Volume, 2020 2029
- 5.3 Residential Building Average Construction Cost, 2020 2029
- 5.4 Residential Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 5.5 Snapshot by Residential Building Construction Markets by Development Stage
- 5.6 New Residential Building Construction Market Size by Value, 2020 2029
- 5.7 Re-development & Maintenance Residential Building Construction Market Size by Value, 2020 2029
- 5.8 Green Residential Building Construction Market Size by Value, 2020 2029
- 5.9 Green Residential Building Construction Market Size by Volume, 2020 2029
- 6 Analysis by Residential Construction Markets Outlook by Construction type
- 6.1 Snapshot of Residential Building Construction Markets by Construction Type
- 6.2 Multi Family Residential Building Construction Market Size by Value, 2020 2029
- 6.3 Multi Family Residential Building Construction Market Size by Volume, 2020 2029
- 6.4 Multi Family Residential Building Average Construction Cost, 2020 2029
- 6.5 Multi Family Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 6.6 Multi Family Green Residential Building Construction Market Size by Value, 2020 2029
- 6.7 Multi Family Green Residential Building Construction Market Size by Volume, 2020 2029
- 6.8 Single Family Residential Building Construction Market Size by Value, 2020 2029
- 6.9 Single Family Residential Building Construction Market Size by Volume, 2020 2029
- 6.10 Single Family Residential Building Average Construction Cost, 2020 2029
- 6.11 Single Family Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 6.12 Single Family Green Residential Building Construction Market Size by Value, 2020 2029
- 6.13 Single Family Green Residential Building Construction Market Size by Volume, 2020 2029
- 7 Analysis by Residential Construction Markets Outlook by Key Cities
- 7.1 Snapshot of Residential Building Construction Markets by Key Cities

- 7.2 Tier 1 Cities Residential Building Construction Market Size by Value, 2020 2029
- 7.3 Tier 1 Cities Residential Building Construction Market Size by Volume, 2020 2029
- 7.4 Tier 1 Cities Residential Building Average Construction Cost, 2020 2029
- 7.5 Tier 1 Cities Green Residential Building Construction Market Size by Value, 2020 2029
- 7.6 Tier 1 Cities Green Residential Building Construction Market Size by Volume, 2020 2029
- 7.7 Tier 2 Cities Residential Building Construction Market Size by Value, 2020 2029
- 7.8 Tier 2 Cities Residential Building Construction Market Size by Volume, 2020 2029
- 7.9 Tier 2 Cities Residential Building Average Construction Cost, 2020 2029
- 7.10 Tier 2 Cities Green Residential Building Construction Market Size by Value, 2020 2029
- 7.11 Tier 2 Cities Green Residential Building Construction Market Size by Volume, 2020 2029
- 7.12 Tier 3 Cities Residential Building Construction Market Size by Value, 2020 2029
- 7.13 Tier 3 Cities Residential Building Construction Market Size by Volume, 2020 2029
- 7.14 Tier 3 Cities Residential Building Average Construction Cost, 2020 2029
- 7.15 Tier 3 Cities Green Residential Building Construction Market Size by Value, 2020 2029
- 7.16 Tier 3 Cities Green Residential Building Construction Market Size by Volume, 2020 2029
- 8 Analysis by Residential Construction Markets Outlook by Price Point
- 8.1 Snapshot of Residential Building Construction Markets by Price Point
- 8.2 Luxury Residential Building Construction Market Size by Value, 2020 2029
- 8.3 Luxury Residential Building Construction Market Size by Volume, 2020 2029
- 8.4 Luxury Residential Building Average Construction Cost, 2020 2029
- 8.5 Luxury Residential Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 8.6 Luxury Green Residential Building Construction Market Size by Value, 2020 2029
- 8.7 Luxury Green Residential Building Construction Market Size by Volume, 2020 2029
- 8.9 Mid-Tier Residential Building Construction Market Size by Value, 2020 2029
- 8.10 Mid-Tier Residential Building Construction Market Size by Volume, 2020 2029
- 8.11 Mid-Tier Residential Building Average Construction Cost, 2020 2029
- 8.12 Mid-Tier Residential Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 8.13 Mid-Tier Green Residential Building Construction Market Size by Value, 2020 2029
- 8.14 Mid-Tier Green Residential Building Construction Market Size by Volume, 2020 2029
- 8.15 Affordable Residential Building Construction Market Size by Value, 2020 2029
- 8.16 Affordable Residential Building Construction Market Size by Volume, 2020 2029
- 8.17 Affordable Residential Building Average Construction Cost, 2020 2029
- 8.18 Affordable Residential Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 8.19 Affordable Green Residential Building Construction Market Size by Value, 2020 2029
- 8.20 Affordable Green Residential Building Construction Market Size by Volume, 2020 2029
- 9 Malaysia Commercial Construction Industry Market Size and Forecast
- 9.1 Commercial Building Construction Market Size by Value, 2020 2029
- 9.2 Commercial Building Construction Market Size by Volume, 2020 2029
- 9.3 Commercial Building Average Construction Cost, 2020 2029
- 9.4 Market Share Analysis by Commercial Building Construction Markets
- 9.5 Snapshot by Commercial Building Construction Markets by Development Stage
- 9.6 New Commercial Building Construction Market Size by Value, 2020 2029
- 9.7 Re-development & Maintenance Commercial Building Construction Market Size by Value, 2020 2029
- 9.8 Commercial Green Building Construction Market Size by Value, 2020 2029
- 9.9 Commercial Green Building Construction Market Size by Volume, 2020 2029

- 10 Office Building Construction Outlook
- 10.1 Office Building Construction Market Size by Value, 2020 2029
- 10.2 Office Building Construction Market Size by Volume, 2020 2029
- 10.3 Office Building Average Construction Cost, 2020 2029
- 10.4 Office Building Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 10.5 Snapshot by Office Building Construction Markets by Price Point
- 10.6 Grade A Office Building Construction Market Size by Value, 2020 2029
- 10.7 Grade B Office Building Construction Market Size by Value, 2020 2029
- 10.8 Grade C Office Building Construction Market Size by Value, 2020 2029
- 10.9 Office Building Green Building Construction Market Size by Value, 2020 2029
- 10.10 Office Building Green Building Construction Market Size by Volume, 2020 2029
- 11 Retail Building Construction Outlook
- 11.1 Retail Building Construction Market Size by Value, 2020 2029
- 11.2 Retail Building Construction Market Size by Volume, 2020 2029
- 11.3 Retail Building Average Construction Cost, 2020 2029
- 11.4 Retail Building Construction Analysis and Growth Dynamics by Number of Units, 2020 2029
- 11.5 Snapshot by Retail Building Construction Markets by Price Point
- 11.6 Grade A Retail Building Construction Market Size by Value, 2020 2029
- 11.7 Grade B Retail Building Construction Market Size by Value, 2020 2029
- 11.8 Grade C Retail Building Construction Market Size by Value, 2020 2029
- 11.9 Retail Buildings Green Building Construction Market Size by Value, 2020 2029
- 11.10 Retail Buildings Green Building Construction Market Size by Volume, 2020 2029
- 12 Hospitality Building Construction Outlook
- 12.1 Hospitality Building Construction Market Size by Value, 2020 2029
- 12.2 Hospitality Building Construction Market Size by Volume, 2020 2029
- 12.3 Hospitality Building Average Construction Cost, 2020 2029
- 12.4 Snapshot by Hospitality Building Construction Markets by Price Point
- 12.5 Grade A Hospitality Building Construction Market Size by Value, 2020 2029
- 12.6 Grade B Hospitality Building Construction Market Size by Value, 2020 2029
- 12.7 Grade C Hospitality Building Construction Market Size by Value, 2020 2029
- 12.8 Hospitality Green Building Construction Market Size by Value, 2020 2029
- 12.9 Hospitality Green Building Construction Market Size by Volume, 2020 2029
- 13 Restaurant Building Construction Outlook
- 13.1 Restaurant Building Construction Market Size by Value, 2020 2029
- 13.2 Restaurant Building Construction Market Size by Volume, 2020 2029
- 13.3 Restaurant Building Average Construction Cost, 2020 2029
- 13.4 Snapshot by Restaurant Building Construction Markets by Price Point
- 13.5 Grade A Restaurant Building Construction Market Size by Value, 2020 2029
- 13.6 Grade B Restaurant Building Construction Market Size by Value, 2020 2029
- 13.7 Grade C Restaurant Building Construction Market Size by Value, 2020 2029
- 13.8 Restaurant Green Building Construction Market Size by Value, 2020 2029
- 13.9 Restaurant Green Building Construction Market Size by Volume, 2020 2029

- 14 Sports Facility Building Construction Outlook
- 14.1 Sports Facility Building Construction Market Size by Value, 2020 2029
- 14.2 Sports Facility Building Construction Market Size by Volume, 2020 2029
- 14.3 Sports Facility Building Average Construction Cost, 2020 2029
- 14.4 Sports Facility Green Building Construction Market Size by Value, 2020 2029
- 14.5 Sports Facility Green Building Construction Market Size by Volume, 2020 2029
- 15 Other Commercial Building Construction Outlook
- 15.1 Other Commercial Building Construction Market Size by Value, 2020 2029
- 15.2 Other Commercial Building Construction Market Size by Volume, 2020 2029
- 15.3 Other Commercial Building Average Construction Cost, 2020 2029
- 15.4 Other Commercial Green Building Construction Market Size by Value, 2020 2029
- 15.5 Other Commercial Green Building Construction Market Size by Volume, 2020 2029
- 16 Malaysia Institutional Construction Industry Market Size and Forecast
- 16.1 Institutional Building Construction Market Size by Value, 2020 2029
- 16.2 Snapshot by Institutional Building Construction Markets by Development Stage
- 16.3 New Institutional Building Construction Market Size by Value, 2020 2029
- 16.4 Re-development & Maintenance Institutional Building Construction Market Size by Value, 2020 2029
- 16.5 Institutional Building Construction Market Size by Volume, 2020 2029
- 16.6 Institutional Building Average Construction Cost, 2020 2029
- 16.7 Institutional Green Building Construction Market Size by Value, 2020 2029
- 16.8 Institutional Green Building Construction Market Size by Volume, 2020 2029
- 17 Outlook and Growth Dynamics by Institutional Building Construction Sectors
- 17.1 Market Share Analysis by Healthcare Building Construction Markets
- 17.2 Healthcare Building Construction Market Size by Value, 2020 2029
- 17.3 Healthcare Building Construction Market Size by Volume, 2020 2029
- 17.4 Healthcare Building Average Construction Cost, 2020 2029
- 17.5 Healthcare Green Building Construction Market Size by Value, 2020 2029
- 17.6 Healthcare Green Building Construction Market Size by Volume, 2020 2029
- 17.7 Education Building Construction Market Size by Value, 2020 2029
- 17.8 Education Building Construction Market Size by Volume, 2020 2029
- 17.9 Education Building Average Construction Cost, 2020 2029
- 17.10 Education Green Building Construction Market Size by Value, 2020 2029
- 17.11 Education Green Building Construction Market Size by Volume, 2020 2029
- 17.12 Other Institutional Segment Building Construction Market Size by Value, 2020 2029
- 17.13 Other Institutional Segment Building Construction Market Size by Volume, 2020 2029
- 17.14 Other Institutional Segment Building Average Construction Cost, 2020 2029
- 17.15 Green Building Construction Other Institutional Segment Building Construction Market Size by Value, 2020 2029
- 17.16 Green Building Construction Other Institutional Segment Building Construction Market Size by Volume, 2020 2029
- 18 Malaysia Industrial Construction Industry Market Size and Forecast
- 18.1 Industrial Building Construction Market Size by Value, 2020 2029
- 18.2 Snapshot by Industrial Building Construction Markets by Development Stage
- 18.3 New Industrial Building Construction Market Size by Value, 2020 2029
- 18.4 Re-development & Maintenance Industrial Building Construction Market Size by Value, 2020 2029

- 18.5 Industrial Building Construction Market Size by Volume, 2020 2029
- 18.6 Industrial Building Average Construction Cost, 2020 2029
- 18.7 Green Industrial Building Construction Market Size by Value, 2020 2029
- 18.8 Green Industrial Building Construction Market Size by Volume, 2020 2029
- 19 Outlook and Growth Dynamics by Industrial Building Construction Sectors
- 19.1 Manufacturing Plant Building Construction Market Size by Value, 2020 2029
- 19.2 Snapshot by Manufacturing Plant Building Construction Markets by Development Stage
- 19.3 New Manufacturing Plant Building Construction Market Size by Value, 2020 2029
- 19.4 Re-development & Maintenance Manufacturing Plant Building Construction Market Size by Value, 2020 2029
- 19.5 Manufacturing Plant Building Construction Market Size by Volume, 2020 2029
- 19.6 Manufacturing Plant Building Average Construction Cost, 2020 2029
- 19.7 Metal & Material Processing Building Construction Market Size by Value, 2020 2029
- 19.8 Snapshot by Metal & Material Processing Building Construction Markets by Development Stage
- 19.9 New Metal & Material Processing Building Construction Market Size by Value, 2020 2029
- 19.10 Re-development & Maintenance Metal & Material Processing Building Construction Market Size by Value, 2020 2029
- 19.11 Metal & Material Processing Building Construction Market Size by Volume, 2020 2029
- 19.12 Metal & Material Processing Building Average Construction Cost, 2020 2029
- 19.13 Chemical & Pharmaceutical Building Construction Market Size by Value, 2020 2029
- 19.14 Snapshot by Chemical & Pharmaceutical Building Construction Markets by Development Stage
- 19.15 New Chemical & Pharmaceutical Building Construction Market Size by Value, 2020 2029
- 19.16 Re-development & Maintenance Chemical & Pharmaceutical Building Construction Market Size by Value, 2020 2029
- 19.17 Chemical & Pharmaceutical Building Construction Market Size by Volume, 2020 2029
- 19.18 Chemical & Pharmaceutical Building Average Construction Cost, 2020 2029
- 20 Infrastructure Construction Outlook
- 20.1 Infrastructure Construction Market Size by Value, 2020 2029
- 20.2 Snapshot by Infrastructure Construction Markets by Development Stage
- 20.3 New Infrastructure Construction Market Size by Value, 2020 2029
- 20.4 Re-development & Maintenance Infrastructure Construction Market Size by Value, 2020 2029
- 20.5 Green Infrastructure Construction Market Size by Value, 2020 2029
- 21 Malaysia Marine and Inland Water Infrastructure Construction Industry Market Size and Forecast
- 21.1 Marine and Inland Water Infrastructure Construction Market Size & Forecast by Value, 2020 2029
- 21.2 Snapshot by Marine and Inland Water Infrastructure Construction by Development Stage
- 21.3 New Marine and Inland Water Infrastructure Construction Market Size by Value, 2020 2029
- 21.4 Re-development & Maintenance Marine and Inland Water Infrastructure Construction Market Size by Value, 2020 2029
- 22 Malaysia Utility System Infrastructure Construction Industry Market Size and Forecast
- 22.1 Utility System Infrastructure Construction Market Size by Value, 2020 2029
- 22.2 Snapshot by Utility System Infrastructure Construction by Development Stage
- 22.3 New Utility System Infrastructure Construction Market Size by Value, 2020 2029
- 22.4 Re-development & Maintenance Utility System Infrastructure Construction Market Size by Value, 2020 2029
- 22.5 Snapshot by Utility System Infrastructure Construction Markets
- 22.6 Oil and Gas Infrastructure Construction Market Size by Value, 2020 2029
- 22.7 Snapshot by Oil and Gas Infrastructure Construction by Development Stage
- 22.8 New Oil and Gas Infrastructure Construction Market Size by Value, 2020 2029

- 22.9 Re-development & Maintenance Oil and Gas Infrastructure Construction Market Size by Value, 2020 2029
- 22.10 Power Infrastructure Construction Market Size by Value, 2020 2029
- 22.11 Snapshot by Power Infrastructure Construction by Development Stage
- 22.12 New Power Infrastructure Construction Market Size by Value, 2020 2029
- 22.13 Re-development & Maintenance Power Infrastructure Construction Market Size by Value, 2020 2029
- 22.14 Water and Sewage Infrastructure Construction Market Size by Value, 2020 2029
- 22.15 Snapshot by Water and Sewage Infrastructure Construction by Development Stage
- 22.16 New Water and Sewage Infrastructure Construction Market Size by Value, 2020 2029
- 22.17 Re-development & Maintenance Water and Sewage Infrastructure Construction Market Size by Value, 2020 2029
- 22.18 Communication Infrastructure Construction Market Size by Value, 2020 2029
- 22.19 Snapshot by Communication Infrastructure Construction by Development Stage
- 22.20 New Communication Infrastructure Construction Market Size by Value, 2020 2029
- 22.21 Re-development & Maintenance Communication Infrastructure Construction Market Size by Value, 2020 2029
- 23 Malaysia Transport Infrastructure Construction Industry Market Size and Forecast
- 23.1 Transport Infrastructure Construction Market Size by Value, 2020 2029
- 23.2 Snapshot by Transport Infrastructure Construction by Development State
- 23.3 New Transport Infrastructure Construction Market Size by Value, 2020 2029
- 23.4 Re-development & Maintenance Transport Infrastructure Construction Market Size by Value, 2020 2029
- 23.5 Snapshot by Transport Infrastructure Construction Markets
- 23.6 Highway, Street and Bridge Infrastructure Construction Market Size by Value, 2020 2029
- 23.7 Snapshot by Highway, Street and Bridge Infrastructure Construction by Development Stage
- 23.8 New Highway, Street and Bridge Infrastructure Construction Market Size by Value, 2020 2029
- 23.9 Re-development & Maintenance Highway, Street and Bridge Infrastructure Construction Market Size by Value, 2020 2029
- 23.10 Railway Infrastructure Construction Market Size by Value, 2020 2029
- 23.11 Snapshot by Railway Infrastructure Construction by Development Stage
- 23.12 New Railway Infrastructure Construction Market Size by Value, 2020 2029
- 23.13 Re-development & Maintenance Highway, Street and Bridge Infrastructure Construction Market Size by Value, 2020 2029
- 23.14 Airport Infrastructure Construction Market Size by Value, 2020 2029
- 23.15 Snapshot by Airport Infrastructure Construction by Development Stage
- 23.16 New Airport Infrastructure Construction Market Size by Value, 2020 2029
- 23.17 Re-development & Maintenance Airport Infrastructure Construction Market Size by Value, 2020 2029
- 23.18 Tunnel Infrastructure Construction Market Size by Value, 2020 2029
- 23.19 Snapshot by Tunnel Infrastructure Construction by Development Stage, 2020 2029
- 23.20 New Tunnel Infrastructure Construction Market Size by Value, 2020 2029
- 23.21 Re-development & Maintenance Tunnel Infrastructure Construction Market Size by Value, 2020 2029
- 24 Malaysia Construction Industry Market Size and Forecast by Cost Type
- 24.1 Construction Industry Market Size and Forecast by Cost Type, 2022
- 24.2 Construction Cost Market Size and Forecast by Material, 2020 2029
- 24.3 Construction Cost Market Size and Forecast by Labour, 2020 2029
- 24.4 Construction Cost Market Size and Forecast by Equipment, 2020 2029
- 24.5 Construction Cost Market Size and Forecast by Others, 2020 2029
- 25 Malaysia Construction Cost Industry Market Size and Forecast by Type of Material
- 25.1 Construction Cost Industry Market Size and Forecast by Type of Material, 2022
- 25.2 Construction Material Cost Industry Market Size and Forecast by Cement, 2020 2029

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- 25.3 Construction Material Cost Industry Market Size and Forecast by Steel, 2020 2029
- 25.4 Construction Material Cost Industry Market Size and Forecast by Sand, 2020 2029
- 25.5 Construction Material Cost Industry Market Size and Forecast by Aggregates, 2020 2029
- 25.6 Construction Material Cost Industry Market Size and Forecast by Bricks, 2020 2029
- 25.7 Construction Material Cost Industry Market Size and Forecast by Wood, 2020 2029
- 25.8 Construction Material Cost Industry Market Size and Forecast by Windows Galzing, 2020 2029
- 25.9 Construction Material Cost Industry Market Size and Forecast by Flooring, 2020 2029
- 25.10 Construction Material Cost Industry Market Size and Forecast by Plumbing, 2020 2029
- 25.11 Construction Material Cost Industry Market Size and Forecast by Electrical, 2020 2029
- $25.12\ Construction\ Material\ Cost\ Industry\ Market\ Size\ and\ Forecast\ by\ Painting,\ 2020\ -\ 2029$
- 25.13 Construction Material Cost Industry Market Size and Forecast by Others, 2020 2029
- 26 Malaysia Construction Cost Industry Market Size and Forecast by Labour
- 26.1 Construction Cost Industry Market Size and Forecast by Labour, 2022
- 26.2 Labour Construction Cost Industry Market Size and Forecast by Rcc Construction Work, 2020 2029
- 26.3 Labour Construction Cost Industry Market Size and Forecast by Masonry and Plastering Work, 2020 2029
- 26.4 Labour Construction Cost Industry Market Size and Forecast by Plumbing Work, 2020 2029
- 26.5 Labour Construction Cost Industry Market Size and Forecast by Water Proofing Work, 2020 2029
- 26.6 Labour Construction Cost Industry Market Size and Forecast by Carpentry Work, 2020 2029
- 26.7 Labour Construction Cost Industry Market Size and Forecast by Electrical Work, 2020 2029
- 26.8 Labour Construction Cost Industry Market Size and Forecast by Tile Fixing Work, 2020 2029
- 26.9 Labour Construction Cost Industry Market Size and Forecast by Catv Antenna Points, 2020 2029
- 26.10 Labour Construction Cost Industry Market Size and Forecast by Painting Work, 2020 2029
- 26.11 Labour Construction Cost Industry Market Size and Forecast by Departmental Labour, 2020 2029
- 27 Malaysia Construction Industry Market Size and Forecast by Building Type
- 27.1 Construction Industry Market Size and Forecast by Building Type, 2022
- 27.2 Construction Industry Market Size and Forecast by Renovation Building, 2020 2029
- 27.3 Construction Industry Market Size and Forecast by New Building, 2020 2029
- 28 Malaysia Construction Industry Market Size and Forecast by Renovation Building Type
- 28.1 Construction Industry Market Size and Forecast by Renovation Building, 2022
- 28.2 Renovation Building Construction Industry Market Size and Forecast by Material Cost, 2020 2029
- 28.3 Renovation Building Construction Industry Market Size and Forecast by Labour Cost. 2020 2029
- 28.4 Renovation Building Construction Industry Market Size and Forecast by Equipment, 2020 2029
- 28.5 Renovation Building Construction Industry Market Size and Forecast by Others, 2020 2029
- 29 Malaysia Construction Industry Market Size and Forecast by New Building
- 29.1 Construction Industry Market Size and Forecast by New Building, 2022
- 29.2 New Building Construction Industry Market Size and Forecast by Material Cost, 2020 2029
- 29.3 New Building Construction Industry Market Size and Forecast by Labour Cost, 2020 2029
- 29.4 New Building Construction Industry Market Size and Forecast by Equipment, 2020 2029
- 29.5 New Building Construction Industry Market Size and Forecast by Others, 2020 2029
- 30 Malaysia Construction Industry Market Size and Forecast by Material Cost
- 30.1 Construction Industry Market Size and Forecast by Material Cost, 2022
- 30.2 Construction Material Cost Industry Market Size and Forecast by Concreting Sand, 2020 2029
- 30.3 Construction Material Cost Industry Market Size and Forecast by Stone Aggregates, 2020 2029

- 30.4 Construction Material Cost Industry Market Size and Forecast by Ordinary Portland Cement, 2020 2029
- 30.5 Construction Material Cost Industry Market Size and Forecast by Reinforced Concrete (Grade 30 MPA), 2020 2029
- 30.6 Construction Material Cost Industry Market Size and Forecast by Reinforced Concrete (Grade 40 MPA), 2020 2029
- 30.7 Construction Material Cost Industry Market Size and Forecast by High Tensile Steel bars, 2020 2029
- 30.8 Construction Material Cost Industry Market Size and Forecast by Mild Steel Round Bars, 2020 2029
- 30.9 Construction Material Cost Industry Market Size and Forecast by Structural Steelwork, 2020 2029
- 30.10 Construction Material Cost Industry Market Size and Forecast by Plywood Formwork (1800*900*12mm), 2020 2029
- 30.11 Construction Material Cost Industry Market Size and Forecast by Clay Bricks, 2020 2029
- 31 Malaysia Construction Industry Market Size and Forecast by Construction Worker
- 31.1 Construction Industry Market Size and Forecast by Construction Worker, 2022
- 31.2 Construction Industry Market Size and Forecast by Skilled Worker, 2020 2029
- 31.3 Construction Industry Market Size and Forecast by Unskilled Worker, 2020 2029
- 32 Further Reading
- 32.1 About ConsTrack360
- 32.2 Related Research
- 32.3 ConsTrack360 Knowledge Center



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