

Heavy And Civil Engineering Construction Market Competition Analysis 2025: How Players Are Shaping Growth

The Business Research Company's Heavy And Civil Engineering Construction Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, December 23, 2025

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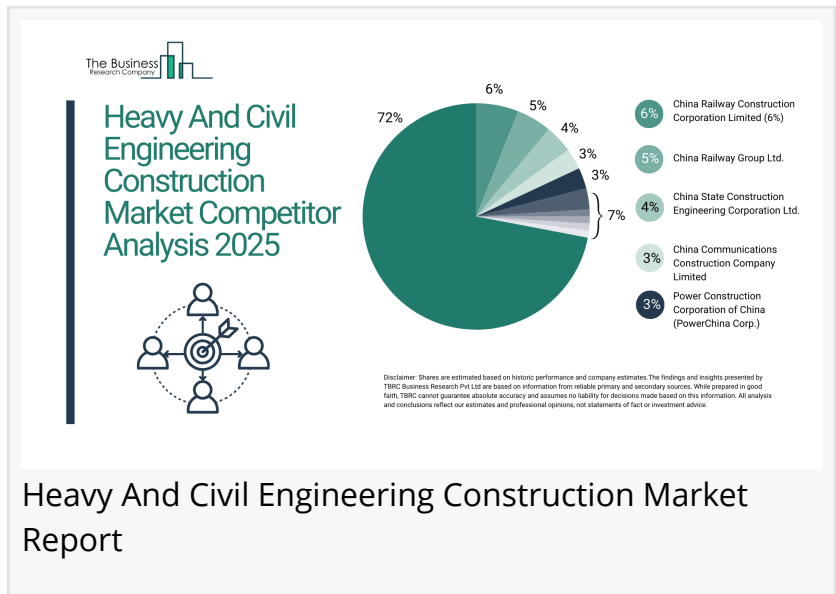
is dominated by a mix of global construction conglomerates and regional engineering innovators. Companies are focusing on large-scale infrastructure projects, adoption of

advanced construction technologies, and sustainable and resilient engineering practices to strengthen market presence and capture growth opportunities. Understanding the competitive landscape is key for stakeholders seeking strategic partnerships, project collaborations, and investment in emerging markets.

Which Market Player Is Leading the Heavy And Civil Engineering Construction Market?

According to our research, China Railway Construction Corporation Limited led global sales in 2023 with a 6% market share. The Construction Operations division of the company completely involved in the heavy and civil engineering construction market, provides the construction of railways, highways, urban tracks, bridges, tunnels, airports and other infrastructure projects. It is the core business of CRCC and covers a wide range of construction activities.

- The Planning, Design and Consultancy Operations division of the company completely involved in the heavy and civil engineering construction market, provides planning, design and consulting services for various infrastructure projects. This includes project contracting, survey and design consultation services, ensuring comprehensive project management from inception to completion.
- The Manufacturing Operations division of the company completely involved in the heavy and civil engineering construction market, provides road maintenance machinery, railway track maintenance machinery and other construction-related equipment. This segment supports



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CRCC's construction activities by providing necessary machinery and equipment.

- The Real Estate Development division of the company completely involved in the heavy and civil engineering construction market, provides real estate development, leveraging its construction expertise to develop residential, commercial and industrial properties. This segment includes the development and sale of real estate projects.
- The Logistics and Trading division of the company completely involved in the heavy and civil engineering construction market, provides the logistics and trading of goods and materials, supporting the supply chain needs of CRCC's construction projects. It includes the procurement and distribution of construction materials and other related goods.
- The Investment and Financing division of the company completely involved in the heavy and civil engineering construction market, provides investment operations and provides financial services related to its construction projects. This includes industrial finance and capital operations, supporting the financial aspects of large-scale infrastructure projects.

How Concentrated Is the Heavy And Civil Engineering Construction Market?

The market is concentrated, with the top 10 players accounting for 28% of total market revenue in 2023. This level of concentration reflects the industry's high barriers to entry, driven by complex engineering requirements, large-scale project execution capabilities, regulatory compliance, and the need for trusted, experienced construction partners. Leading companies such as China Railway Construction Corporation Limited, China Railway Group Ltd., China State Construction Engineering Corporation Ltd., China Communications Construction Company Limited, and PowerChina Corp. dominate through extensive project portfolios, advanced engineering expertise, and established global networks, while smaller firms focus on niche regional or specialized infrastructure projects. As global infrastructure demand continues to grow, strategic partnerships, mergers, and technology adoption are expected to further strengthen the dominance of major players.

- Leading companies include:
 - o China Railway Construction Corporation Limited (6%)
 - o China Railway Group Ltd. (5%)
 - o China State Construction Engineering Corporation Ltd. (4%)
 - o China Communications Construction Company Limited (3%)
 - o Power Construction Corporation of China (PowerChina Corp.) (3%)
 - o Skanska AB (3%)
 - o Bouygues SA (1%)
 - o Hochtief AG (1%)
 - o STRABAG Group AG (1%)
 - o Kiewit Corporation (1%)

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Which Companies Are Leading Across Different Regions?

- North America: Bird Construction Inc., Aegion Corporation, Bechtel Corporation (USA), Fluor Corporation (USA), Granite Construction Incorporated (USA), Kiewit Corporation (USA), The Walsh Group Ltd. (USA), Conestoga-Rovers & Associates (CRA) (Canada) and MTC Canada Inc. (Canada) are leading companies in this region.
 - Asia Pacific: Doosan Group, Terex Corporation, Larsen & Toubro Limited, Hindustan Construction Company Limited (HCC), Gammon India Limited, IRCON International Limited, Tata Projects Limited, Reliance Infrastructure Limited, China Railway Construction Corporation Limited, China Railway Group Limited, China State Construction Engineering Corporation Limited, China Communications Construction Company Limited, Power Construction Corporation of China (PowerChina Corp.) and DLF Limited are leading companies in this region.
 - Western Europe: Holcim Group, Osborne Infrastructure Limited, Vinci SA, Bouygues SA, HOCHTIEF Aktiengesellschaft (HOCHTIEF AG), Skanska AB, STRABAG SE, Koninklijke BAM Groep nv, VolkerWessels Group, Zeppelin GmbH, SGS Société Générale de Surveillance SA, Interconstruct NV, Anker Hansen & Co. A/S, Christiansen & Esserbæk A/S, C.C. Contractor A/S, EKE-Construction Ltd., Colas Group, Eiffage Construction, Bauer Group, Bennett Construction Limited, Collen Construction Limited, Casais Group, Balfour Beatty plc, Laing O'Rourke Group, Interserve Group Limited, Morgan Sindall Group plc and Kier Group plc are leading companies in this region.
 - Eastern Europe: STRABAG Sp. z o.o., Duna Aszfalt Zrt., Skanska Group, STRABAG SE, Budimex SA, PORR Group, RWE AG and HOCHTIEF Aktiengesellschaft are leading companies in this region.
 - South America: Colbún S.A., Odebrecht S.A., Camargo Corrêa S.A., Andrade Gutierrez Engenharia S.A., Queiroz Galvão S.A., MRV Engenharia e Participações S.A., SalfaCorp S.A., Mourik General Contractors B.V., Gilbane Building Company, China Railway Group Limited, Vías Chile S.A. and McCrory Construction Company are leading companies in this region.
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What Are the Major Competitive Trends in the Market?

- Strategic partnerships and collaborations is transforming their competitive edge and expand their market reach.
 - Example: SK Ecoplant Co. BCG Energy (March 2024) assigns wind power generation in Gia Lai, a highland province in central Vietnam with abundant wind.
 - These innovations develop 700 megawatts (MW) of renewable energy projects in Vietnam: 300 MW of land wind power, 300 MW of rooftop solar power and 100 MW of land solar power.
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Which Strategies Are Companies Adopting to Stay Ahead?

- Launching large-scale infrastructure and urban development projects to expand market presence and secure long-term government and private contracts
- Enhancing digital construction technologies such as Building Information Modelling (BIM), drones, and automation to improve efficiency, precision, and project management
- Focusing on sustainable and resilient construction practices, including the use of green materials, energy-efficient designs, and climate-adaptive infrastructure

- Leveraging strategic partnerships and joint ventures to access new markets, share technological expertise, and strengthen global competitiveness

Access the detailed Heavy And Civil Engineering Construction Market report here:
<https://www.thebusinessresearchcompany.com/report/heavy-and-civil-engineering-construction-global-market-report>

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