

Generative Design Market Analysis 2024: Trends, Growth, And Forecasts

Generative Design Global Market Report 2024 – Market Size, Trends, And Forecast 2024-2033

LONDON, GREATER LONDON, UK, June 21, 2024 /EINPresswire.com/ -- The [generative design market](#),

characterized by its use of algorithms to explore diverse design solutions, is poised for substantial growth. It is

projected to grow from \$3.18 billion in 2023 to \$3.78 billion in 2024, achieving a CAGR of 18.8%.

This growth stems from increased adoption across industries, demand for lightweight structures, sustainability concerns, and regulatory compliance.



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Emphasis on Product Performance Drives Market Growth

The generative design market is expected to surge to \$7.57 billion by 2028, growing at a CAGR of 18.9%. This growth is fueled by heightened focus on product optimization, expansion into new industries, digital transformation, and rising demand for customized products. Key trends include AI and ML integration, cloud-based platforms, hybrid design approaches, additive manufacturing integration,

and democratization of design tools.

Explore comprehensive insights into the generative design market with a detailed sample report:

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Rise in Sales of Commercial Vehicles Propels Market

The market's growth is further propelled by increasing sales of commercial vehicles, driven by consumer demand, EV industry expansion, and favorable financing. Generative design optimizes vehicle structures, enhancing efficiency and safety. For instance, in 2022, commercial truck sales in the USA rose by 3.8%, reaching 476,000 units, underscoring the market's expansion.

Key Players and Technological Innovations

Major companies such as Dassault Systèmes SE, Autodesk Inc., and ANSYS Inc. are leading innovation with generative AI-featured elements. These innovations integrate AI capabilities to autonomously generate, evaluate, and refine designs. For example, Evolv AI introduced generative AI features enabling instant visual web page changes from text descriptions, revolutionizing personalization and experimentation.

Segments:

- Software Solutions: Topology Optimization, Parametric Design Tools, Simulation And Analysis, Algorithmic Design Platforms
- Deployment Models: On-Premises, Cloud-Based
- Services: Consulting And Training, Implementation And Integration
- Industry: Automotive, Aerospace And Defense, Architecture And Construction, Industrial Manufacturing, Other Industries

Geographical Insights: North America Leads, Asia-Pacific Poised for Growth

North America dominated the generative design market in 2023, while Asia-Pacific is expected to exhibit the fastest growth. Detailed insights into regional dynamics, market trends, and growth opportunities are covered comprehensively in the report.

Make your report purchase here and explore the whole industry's data as well

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[Generative Design Global Market Report 2024](#) from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Generative Design Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on generative design market size, generative design market drivers and trends, generative design market major players, competitors' revenues, market positioning, and market growth across geographies. The generative design market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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About [The Business Research Company?](#)

The Business Research Company has published over 27 industries, spanning over 8000+ markets and 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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