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Agentic AI In Digital Engineering Market Analysis: Key Trends, Share, Growth Drivers, And Forecast 2025-2034

Agentic AI In Digital Engineering Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, May 26, 2025 /EINPresswire.com/ -- The Business Research Company's Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034.

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The [agentic AI in digital engineering market](#) size has seen a significant surge in recent years. From $3.69 billion in 2024, the market is poised to grow to $6.04 billion in 2025, yielding a

remarkable compound annual growth rate CAGR of 64.0%. These robust growth patterns can be traced back to various factors such as increasing demand for automation, rising computational power, the proliferation of big data, the evolution of neural networks, and the pursuit of cognitive computing.

Where Is The Agentic AI In Digital Engineering Market Headed In The Future?

The market seems set to maintain its upward trajectory,

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with an estimated value of $43.43 billion by 2029 at a compound annual growth rate CAGR of 63.7%. The prosperous forecast period can be attributed to increased private investment, a burgeoning demand for high-performance custom products, rising involvement of venture capitalists, and sustained focus on AI research and development. Key emergent trends include autonomous design systems, generative design driven by AI, the incorporation of quantum computing, real-time predictive analytics, enhanced simulation and virtual prototyping backed by AI, AI for sustainability in engineering, digital twin integration, customization driven by AI, and autonomous manufacturing systems.

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What's Fueling The Growth Of The Agentic AI In Digital Engineering Market?

Automation, a primary catalyst for the rapid expansion of the agentic AI in digital engineering market, is becoming increasingly essential in a world where efficiency and precision are paramount. The escalating demand for automation, stemming from the need to cut operational costs and minimize human error, finds an intelligent ally in agentic AI. Through this partnership, systems are able to independently make smart decisions and optimize processes. For example, in September 2023, the International Federation of Robotics reported a 5% year-on-year increase in global industrial robot installations, reaching a staggering 553,052 units installed in 2022. Asia led the way with 73% of total installations, followed by Europe at 15% and the Americas at 10%. Thus, it is clear that the growing demand for automation is driving the growth of agentic AI in the digital engineering market.

Who Are The Key Players In The Agentic AI In Digital Engineering Market?

The agentic AI in digital engineering market is ably served by eminent companies such as Siemens AG, Accenture plc, NVIDIA Corporation, Capgemini SE, HCL Technologies Limited, Dassault Systèmes, PTC Inc., UiPath Inc., Persistent Systems Limited, GlobalLogic Inc., Altair Engineering Inc., Kent PLC, PagerDuty, Cigniti Technologies Limited, Indium Software Limited, Aisera Inc., Sinequa SAS, Adept AI Labs Inc., Ampcome Technologies Pvt. Ltd., and Orby AI Inc.

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What's The Latest Trend In The Agentic AI In Digital Engineering Market?
Major innovation players operating in the agentic AI in digital engineering market are focusing on the development of AI-driven digital labor platforms to optimize workforce productivity, streamline engineering processes, and facilitate intelligent task automation.

How Is The Agentic AI In Digital Engineering Market Segmented?
This report segments the agentic AI in digital engineering market according to various parameters:

1 By Technology: Generative AI For Engineering Design, Digital Twins And Ai-Driven Simulations, AI in Robotics And Automation, Explainable AI Xai For Engineering, Other Technologies
2 By Deployment Model: On-Premise, Cloud-Based
3 By Application: Product Design And Development, Predictive Engineering Analytics, Process Automation And Workflow Optimization, Ai-Augmented Simulation And Testing, Intelligent Infrastructure And Smart Manufacturing, Other Applications

4 By Industry Vertical: Automotive And Aerospace, Energy And Utilities, Construction And Civil Engineering, Electronics And Semiconductor, Healthcare And Medical Devices, Other Industry Verticals

What Are The Regional Insights Of The Agentic AI In Digital Engineering Market?
In the grand regional scale of things, North America reigned supreme in the agentic AI in digital engineering market in 2024. The other regions comprehensively analyzed in this report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

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