AI Use Case Analysis: Global Outlook

Market Research Report | 2025-10-27 | 115 pages | BCC Research

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Report description:

Description

Report Scope
This report provides an in-depth examination of the current and future landscape of AI applications. Its multi-dimensional analysis addresses both the technological advances driving AI and the many ways these advances are being leveraged across various industries and by emerging businesses.
- The report provides an analysis of the latest and emerging AI technologies, such as genAI, edge AI, eXplainable AI (XAI), QML, large language models (LLMs), agentic AI, reinforcement learning and others (federated AI and neuromorphic computing), and their significance in the evolving AI ecosystem.
- The AI use case analysis by technology, where practical applications of AI are explored across a spectrum of underlying technologies, including robotics, cybersecurity, digital twins, XR, AR, VR, blockchain, IoT, and edge computing is explained in detail. It presents the problems that AI solves within each technological context, the solutions implemented, and the resulting outcomes.
- The detailed analysis of AI use cases by industry covers healthcare, finance and banking, logistics, retail and e-commerce, education and edtech, media and entertainment, telecom, oil and gas, automotive, manufacturing and others (agriculture, aerospace and defense, construction and mining).
- It also includes a section on AI use case analysis for startups. It examines how companies are deploying AI for operational efficiency, product innovation, compliance, sales and marketing, and talent management.
- The study offers a future perspective on AI use cases, analyzing how AI applications will continue to evolve and reshape industries and technologies, emphasizing areas such as robotics and cybersecurity.
Report Includes
- A comprehensive and real-time analysis of the evolving artificial intelligence (AI) technology landscape and their applications across various industries.
- Understanding of the latest and emerging AI technologies, and their significance in the evolving AI ecosystem.

- Technology-specific AI use case analyses for robotics, cybersecurity, digital twin, AR/VR, blockchain, edge computing, and IoT technologies.
- Use Cases of AI for successful implementation across various end-use industries.
- AI use case analysis for startups on how companies are deploying AI for operational efficiency, product innovation, compliance, sales and marketing, and talent management.
- Insights into future AI Use Cases in the coming years, considering technological progress and shifting industry demands.

Executive Summary

Summary:

This report provides an overview of emerging artificial intelligence (AI) technologies and their applications across various industries. It covers emerging AI technologies and their applications and use cases in several industry verticals.

The primary objective of this study is to analyze emerging artificial intelligence (AI) technologies and their applications across various industries, identify and categorize key AI use cases by technology and industry, demonstrate practical implementation and outcomes, explore the specific implications and opportunities of AI use cases for startups, and forecast the evolution of AI use cases, considering technological advances and industry shifts. To achieve this goal, the study sets forth the following objectives:

- Explore the latest AI advances, such as GenAI, edge AI, and quantum machine learning (QML), to analyze specific AI use cases across a range of technologies, describing the problems addressed, the solutions offered and the tangible outcomes.
- Examine the ways startups are leveraging AI for operational efficiency, product development and compliance.
- Predict AI use cases in the coming years, considering technological progress and shifting industry demands.

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