

# 2023 Emerging Technologies Research Review

<https://marketpublishers.com/r/2453A68BF9ADEN.html>

Date: December 2024

Pages: 135

Price: US\$ 4,650.00 (Single User License)

ID: 2453A68BF9ADEN

## Abstracts

### Research Review Scope

Emerging technologies are transforming enterprise management by enhancing efficiency, scalability, and decision-making capabilities. The global enterprise AI market is expanding rapidly, driven by the demand for automation, predictive analytics, and intelligent business solutions. AI consulting services are also gaining traction as organizations seek expertise to integrate AI-driven strategies. High-performance computing (HPC) is playing a critical role in processing vast amounts of enterprise data, enabling advanced simulations, real-time analytics, and AI model training. Additionally, quantum computing is poised to revolutionize industries by solving complex computational challenges beyond the capabilities of traditional systems.

Further, innovations in edge computing and surface computing are reshaping how enterprises process and interact with data. The edge computing market is growing as businesses prioritize low-latency data processing for IoT, AI, and real-time applications. Likewise, surface computing is evolving with interactive, touch-based interfaces that enhance user engagement and collaboration. These technological advancements are expected to redefine enterprise infrastructure, optimize operations, and create new business opportunities. As global markets evolve, enterprises must strategically adopt these emerging technologies to stay competitive and future-ready.

Research Reviews from BCC Research provide market professionals with concise market coverage within a specific research category. This 2023 Research Review of Emerging Technologies provides a sampling of the type of quantitative market information, analysis, and guidance that BCC Research has been developing since its inception in 1971 to help its customers make informed business decisions. This Research Review includes highlights and excerpts from the following reports published by BCC Research in 2023:

IFT286A Global Enterprise Artificial Intelligence (AI) Market

IFT283A Global AI Consulting Services Market

IFT297A Global High Performance Computing Market

IFT289A Surface Computing: Global Markets

IFT149C Quantum Computing: Technologies and Global Markets to 2028

IFT157B Global Edge Computing Technology Market: Trends and Forecast to 2027

After you survey the excerpts in this Research Review, we encourage you to follow up on these topics by checking out the full market research reports associated with each topic. BCC Research looks forward to serving your market intelligence needs in the future.

## Contents

### CHAPTER 1 FOREWORD

Research Review Scope

### CHAPTER 2 GLOBAL ENTERPRISE ARTIFICIAL INTELLIGENCE (AI) MARKET (IFT286A)

Enterprise Artificial Intelligence (AI) Market

Scope of Report

Market Summary

Market Outlook

Market Overview of Enterprise Artificial Intelligence (AI)

Benefits of Enterprise AI

Future of Enterprise AI

Macroeconomic Factors

Market Dynamics of Enterprise Artificial Intelligence (AI)

Market Driver

Market Restraint

Market Challenge

Market Opportunity

Global Enterprise AI Market, by Component

Solutions

Services

Market Breakdown of Enterprise Artificial Intelligence (AI) by Region

Overview

North America

Europe

Asia-Pacific

Rest of the World

ESG Performance in Enterprise AI Market

Key ESG Issues in the AI Industry

AI Industry ESG Performance Analysis

Case Study

Concluding Remarks from BCC

### CHAPTER 3 GLOBAL AI CONSULTING SERVICES MARKET (IFT283A)

AI Consulting Services Market  
Scope of Report  
Market Snapshot  
Executive Summary  
Market Overview of AI Consulting Services Overview  
Types of AI Consulting Services  
Types of AI Consulting Firms  
Benefits of AI Consulting  
Market Dynamics  
Market Driver  
Market Restraint  
Market Challenge  
Future of AI in Consulting Services  
Macroeconomic Factors  
Market Opportunities  
Global AI Consulting Services Market, by Service Type  
Digital Strategy and Transformation  
Application Development  
Analytics Consulting  
Cognitive Integration  
AI Customization  
Market Breakdown of AI Consulting Services by Region  
Overview  
North America  
Europe  
Asia-Pacific  
Rest of the World  
ESG Performance in AI Consulting Services Market  
Key ESG Issues in the AI Industry  
AI Industry ESG Performance Analysis  
Case Study  
Concluding Remarks from BCC Research

## **CHAPTER 4 GLOBAL HIGH PERFORMANCE COMPUTING MARKET (IFT297A)**

High Performance Computing Market  
Study Goals and Objectives  
Reasons for Doing This Study  
Scope of Report

Market Outlook  
Market Summary  
Market Overview of High Performance Computing Market  
Types of Computing System in High Performance Computing  
Market Dynamics of High-Performance Computing Market  
Market Driver  
Market Restraint  
Market Opportunity  
Regulatory Framework of High-Performance Computing Market  
Emerging Technologies and Development  
Quantum Computing  
AI Acceleration  
Advanced Interconnects  
Silicon Photonics  
Market for High Performance Computing by Solution  
Hardware  
Software  
Services  
Market Breakdown of High-Performance Computing Market by Region  
North America  
Europe  
Asia-Pacific  
Rest of the World  
ESG Performance in High Performance Computing Market  
ESG Issues in High Performance Computing  
High Performance Computing Industry ESG Performance Analysis  
Case Study  
Concluding Remarks from BCC Research

## **CHAPTER 5 SURFACE COMPUTING: GLOBAL MARKETS ( IFT289A)**

Surface Computing Market  
Study Goals and Objectives  
Reasons for Doing the Study  
Scope of Report  
Market Outlook  
Market Summary  
Market Overview  
Overview

Regulatory Framework  
Components of Surface Computing  
Market Dynamics  
Market Driver  
Market Restraint  
Market Opportunity  
Emerging Technologies and Development  
Advanced Touch Sensing

### **3D SENSING AND HAND TRACKING**

Projection Mapping  
Global Surface Computing Market Breakdown by Vision  
Two-dimensional (2D)  
Three-dimensional (3D)  
Market Breakdown of Surface Computing by Region  
North America  
Europe  
Asia-Pacific  
Rest of World  
ESG Performance in Surface Computing Market  
Key Environmental, Social, and Governance (ESG) Issues in the Surface Computing Market  
Surface Computing Industry ESG Performance Analysis  
Case Study  
Concluding Remarks from BCC Research

### **CHAPTER 6 QUANTUM COMPUTING: TECHNOLOGIES AND GLOBAL MARKETS TO 2028 ( IFT149C)**

Quantum Computing: Technologies  
Study Goals and Objectives  
Reasons for Doing This Study  
Scope of Report  
Market Highlights  
Market Overview of Quantum Computing: Technologies  
Ongoing International Conflicts  
Market Dynamics of Quantum Computing: Technologies  
Market Drivers

Market Restraint

Market Opportunity

Market Challenge

Market Breakdown of Quantum Computing: Technologies, by Offering

Overview

Systems

Services

Market Breakdown of Quantum Computing: Technologies by Method of Deployment

Overview

On-premises

Cloud-Based

Market Breakdown of Quantum Computing: Technologies by Region

Overview

North American Market Outlook

European Market Outlook

Asia-Pacific (APAC) Market Outlook

Rest of the World (RoW) Market Outlook

ESG Performance in Quantum Computing Market

Overview

ESG Performance in Quantum Computing Market

Environmental Impact

Social Impact

Governance Impact

Current Status of ESG in the Quantum Computing Market

Consumer Attitudes Towards ESG in Quantum Computing Market

ESG Practices in the Quantum Computing Market

Case Study

Sustainability Performance Highlights

Concluding Remarks from BCC

Emerging Technologies and Developments

Overview

Key Emerging Technologies for Quantum Computing

## **CHAPTER 7 GLOBAL EDGE COMPUTING TECHNOLOGY MARKET: TRENDS AND FORECAST TO 2027 ( IFT157B)**

Edge Computing Technology Market

Study Goals and Objectives

Reasons for Doing the Study

Scope of Report

Summary and Highlights

Market and Technology Background of Edge Computing Technology Market

Introduction

Current Market Scenario

Edge Computing Vs. Cloud Computing

Impact of COVID-19 on the Market

Technology Analysis

Market Dynamics of Edge Computing Technology Market

Market Driver

Market Restraint

Market Challenge

Market Opportunity

Market Breakdown of Edge Computing Technology Market by Component

Introduction

Hardware

Software

Services

Market Breakdown by Region

Introduction

North American Market Outlook

European Market Outlook

Asia-Pacific Market Outlook

Rest of the World (RoW) Market Outlook

## **CHAPTER 8 APPENDIX**

Methodology

Analyst's Credentials



## List Of Tables

### LIST OF TABLES

Table 1 : Global Market of Enterprise AI, by Region, Through 2028

Table 2 : Partnerships Among Market Leaders for Enterprise AI, 2022 and 2023

Table 3 : Global Market for Enterprise AI, by Component, Through 2028

Table 4 : Global Market for Enterprise AI, by Region, Through 2028

Table 5 : Environmental Metrics for AI Industry

Table 6 : Social Metrics for AI Industry

Table 7 : Governance Metrics for AI Industry

Table 8 : Global Market for AI Consulting Services, by Region, Through 2028

Table 9 : List of New Market Entrants, 2022–2023

Table 10 : Global Market for AI Consulting Services, by Service Type, Through 2028

Table 11 : Global Market for AI Consulting Services, by Region, Through 2028

Table 12 : Environmental Metrics for the AI Industry

Table 13 : Social Metrics for the AI Industry

Table 14 : Governance Metrics for AI Industry

Table 15 : Global Market for High Performance Computing, by Region, Through 2028

Table 16 : Global Market for High Performance Computing, by Solution, Through 2028

Table 17 : Global Market for High Performance Computing, by Region, Through 2028

Table 18 : Environmental Metrics for the High Performance Computing Industry

Table 19 : Social Metrics for the Market for High Performance Computing

Table 20 : Governance Metrics for the Market for High Performance Computing

Table 21 : Global Market for Surface Computing, by Region, Through 2028

Table 22 : Global Market for Surface Computing, by Vision, Through 2028

Table 23 : Global Market for Surface Computing, by Region, Through 2028

Table 24 : Environmental Metrics for the Surface Computing Market

Table 25 : Social Metrics for the Surface Computing Market

Table 26 : Governance Metrics for the Surface Computing Market

Table 27 : Global Market for Quantum Computing, by Region, Through 2028

Table 28 : Global Market for Quantum Computing, by Offering, Through 2028

Table 29 : Global Market for Quantum Computing, by Method of Deployment, Through 2028

Table 30 : Global Market for Quantum Computing, by Region, Through 2028

Table 31 : Global Quantum Computing Market, ESG Impact

Table 32 : ESG Risk Ratings Metric, by Company, 2022

Table 33 : Global Market for Edge Computing Technologies, by Region, Through 2027

Table 34 : Cloud Computing vs. Edge Computing

Table 35 : Global Market for Edge Computing, by Component, Through 2027

Table 36 : Global Market for Edge Computing, by Region, Through 2027

## List Of Figures

### LIST OF FIGURES

Figure 1 : Global Market Shares of Enterprise AI, by Region, 2022

Figure 2 : Benefits of Enterprise AI

Figure 3 : Global Market Shares of Enterprise AI, by Component, 2022

Figure 4 : Global Market Shares of Enterprise AI, by Region, 2022

Figure 5 : Global Market Shares of AI Consulting Services, by Region, 2022

Figure 6 : Fundamental Responsibilities of an AI Consultant

Figure 7 : Volume of Data Created, Captured, Copied, and Consumed, Worldwide, 2021-2025

Figure 8 : Global Market Shares of AI Consulting Services, by Service Type, 2022

Figure 9 : Global Market Shares of AI Consulting Services, by Region, 2022

Figure 10 : Global Market Shares of High-Performance Computing, by Region, 2022

Figure 11 : Global Market Shares of High-Performance Computing, by Solution, 2022

Figure 12 : Global Market Shares of High Performance Computing, by Region, 2022

Figure 13 : Global Market Shares of Surface Computing, by Region, 2022

Figure 14 : Global Market Shares of Surface Computing, by Vision, 2022

Figure 15 : Global Market Shares of Surface Computing, by Region, 2022

Figure 16 : Global Market Shares of Quantum Computing, by Region, 2022

Figure 17 : Global Market Shares of Quantum Computing, by Offering, 2022

Figure 18 : Global Market Shares of Quantum Computing, by Method of Deployment, 2022

Figure 19 : Global Market Shares of Quantum Computing, by Region, 2022

Figure 20 : Global Market Shares of Market for Edge Computing Technologies, by Region, 2021

Figure 21 : Global Market Shares of Edge Computing, by Component, 2021

Figure 22 : Global Market Shares of Edge Computing, by Region, 2021

## I would like to order

Product name: 2023 Emerging Technologies Research Review

Product link: <https://marketpublishers.com/r/2453A68BF9ADEN.html>

Price: US\$ 4,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/2453A68BF9ADEN.html>