

Construction 4.0 Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/CD199B840D8CEN.html>

Date: September 2023

Pages: 141

Price: US\$ 2,499.00 (Single User License)

ID: CD199B840D8CEN

Abstracts

Market Overview:

The global construction 4.0 market size reached US\$ 14.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 35.1 Billion by 2028, exhibiting a growth rate (CAGR) of 15.7% during 2023-2028.

Construction 4.0 is a subset of industry 4.0 comprising interconnected technologies that digitize, automate and integrate the construction process throughout the value chain. It relies on the internet of things (IoT), digital twin, additive manufacturing, cloud computing, cyber-physical systems (CPS), and building information modeling (BIM). It helps lower energy use, develop 3D models that avoid inefficiencies and delays in projects, and reduce waste materials and carbon emissions during construction. It also minimizes security risks of workers through augmented reality (AR) and virtual reality (VR) solutions.

Construction 4.0 Market Trends:

At present, there is a rise in the utilization of artificial intelligence (AI) in the construction industry across the globe. This, along with the escalating need for new technologies in bricklaying, plastering, surveying, site and risk management, and worker and asset tracking, represents one of the key factors driving the market. Moreover, construction drones are used for security, inspection and monitoring of construction activities around the world. In addition, waste optimization and proper time and resource management in the construction industry are propelling the growth of the market. Besides this, the growing adoption of industrial 4.0 technologies in construction activities to enhance remote monitoring and avoid human errors, are contributing to the growth of the market.

Additionally, there is an increase in the construction of new roads and highways, especially in developing nations, which is offering lucrative growth opportunities to industry investors and end-users. Other growth-inducing factors are rapid digitization and the rising urban population worldwide. Furthermore, key market players are focusing on partnerships, acquisitions, and product launches to improve products and services, which is projected to strengthen the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global construction 4.0 market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on solution, technology, application and end user.

Breakup by Solution:

- Hardware
- Software
- Services

Breakup by Technology:

- IoT
- Artificial Intelligence
- Industrial Robots
- Others

Breakup by Application:

- Asset Monitoring
- Predictive Maintenance
- Fleet Management
- Wearables
- Others

Breakup by End User:

- Residential
- Non-residential

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., Autodesk Inc, Brickeye, CalAmp Corp., Hexagon AB, Hilti Corporation, Mitsubishi Electric Corporation, Oracle Corporation, Topcon Corporation and Trimble Inc.

Key Questions Answered in This Report

1. What was the size of the global construction 4.0 market in 2022?
2. What is the expected growth rate of the global construction 4.0 market during 2023-2028?
3. What has been the impact of COVID-19 on the global construction 4.0 market?

4. What are the key factors driving the global construction 4.0 market?
5. What is the breakup of the global construction 4.0 market based on the solution?
6. What is the breakup of the global construction 4.0 market based on the technology?
7. What is the breakup of the global construction 4.0 market based on the application?
8. What is the breakup of the global construction 4.0 market based on the end user?
9. What are the key regions in the global construction 4.0 market?
10. Who are the key players/companies in the global construction 4.0 market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview

4.2 Key Industry Trends

5 GLOBAL CONSTRUCTION 4.0 MARKET

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

6 MARKET BREAKUP BY SOLUTION

6.1 Hardware

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Software

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Services

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

- 7.1IoT
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2Artificial Intelligence
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3Industrial Robots
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1Asset Monitoring
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2Predictive Maintenance
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3Fleet Management
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4Wearables
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 MARKET BREAKUP BY END USER

- 9.1Residential

- 9.1.1 Market Trends
- 9.1.2 Market Forecast
- 9.2 Non-residential
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast

10 MARKET BREAKUP BY REGION

- 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
- 10.2 Asia-Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany

- 10.3.1.1 Market Trends
- 10.3.1.2 Market Forecast
- 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 ABB Ltd.

15.3.1.1 Company Overview

15.3.1.2 Product Portfolio

15.3.1.3 Financials

15.3.1.4 SWOT Analysis

15.3.2 Autodesk Inc

15.3.2.1 Company Overview

15.3.2.2 Product Portfolio

15.3.2.3 Financials

15.3.2.4 SWOT Analysis

15.3.3 Brickeye

15.3.3.1 Company Overview

15.3.3.2 Product Portfolio

15.3.4 CalAmp Corp.

15.3.4.1 Company Overview

15.3.4.2 Product Portfolio

15.3.4.3 Financials

- 15.3.4.4 SWOT Analysis
- 15.3.5 Hexagon AB
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
- 15.3.6 Hilti Corporation
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 SWOT Analysis
- 15.3.7 Mitsubishi Electric Corporation
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
 - 15.3.7.4 SWOT Analysis
- 15.3.8 Oracle Corporation
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
 - 15.3.8.4 SWOT Analysis
- 15.3.9 Topcon Corporation
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis
- 15.3.10 Trimble Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials

List Of Tables

LIST OF TABLES

Table 1: Global: Construction 4.0 Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Construction 4.0 Market Forecast: Breakup by Solution (in Million US\$), 2023-2028

Table 3: Global: Construction 4.0 Market Forecast: Breakup by Technology (in Million US\$), 2023-2028

Table 4: Global: Construction 4.0 Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Construction 4.0 Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 6: Global: Construction 4.0 Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Construction 4.0 Market: Competitive Structure

Table 8: Global: Construction 4.0 Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Construction 4.0 Market: Major Drivers and Challenges

Figure 2: Global: Construction 4.0 Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Construction 4.0 Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Construction 4.0 Market: Breakup by Solution (in %), 2022

Figure 5: Global: Construction 4.0 Market: Breakup by Technology (in %), 2022

Figure 6: Global: Construction 4.0 Market: Breakup by Application (in %), 2022

Figure 7: Global: Construction 4.0 Market: Breakup by End User (in %), 2022

Figure 8: Global: Construction 4.0 Market: Breakup by Region (in %), 2022

Figure 9: Global: Construction 4.0 (Hardware) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Construction 4.0 (Hardware) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Construction 4.0 (Software) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Construction 4.0 (Software) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Construction 4.0 (Services) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Construction 4.0 (Services) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Construction 4.0 (IoT) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Construction 4.0 (IoT) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Construction 4.0 (Artificial Intelligence) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Construction 4.0 (Artificial Intelligence) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Construction 4.0 (Industrial Robots) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Construction 4.0 (Industrial Robots) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Construction 4.0 (Other Technologies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Construction 4.0 (Other Technologies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Construction 4.0 (Asset Monitoring) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Construction 4.0 (Asset Monitoring) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Construction 4.0 (Predictive Maintenance) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Construction 4.0 (Predictive Maintenance) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Construction 4.0 (Fleet Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Construction 4.0 (Fleet Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Construction 4.0 (Wearables) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Construction 4.0 (Wearables) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Construction 4.0 (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Construction 4.0 (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Construction 4.0 (Residential) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Construction 4.0 (Residential) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Construction 4.0 (Non-residential) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Construction 4.0 (Non-residential) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: North America: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: North America: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: United States: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: United States: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Canada: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Canada: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Asia-Pacific: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Asia-Pacific: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: China: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: China: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Japan: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Japan: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: India: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: India: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: South Korea: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: South Korea: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Australia: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Australia: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Indonesia: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Indonesia: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Others: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Others: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Europe: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Europe: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Germany: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Germany: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: France: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: France: Construction 4.0 Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 65: United Kingdom: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: United Kingdom: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Italy: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Italy: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Spain: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Spain: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Russia: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Russia: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Others: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Others: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Latin America: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Latin America: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Brazil: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Brazil: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Mexico: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Mexico: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Others: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 82: Others: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 83: Middle East and Africa: Construction 4.0 Market: Sales Value (in Million US\$), 2017 & 2022

Figure 84: Middle East and Africa: Construction 4.0 Market: Breakup by Country (in %), 2022

Figure 85: Middle East and Africa: Construction 4.0 Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 86: Global: Construction 4.0 Industry: SWOT Analysis

Figure 87: Global: Construction 4.0 Industry: Value Chain Analysis

Figure 88: Global: Construction 4.0 Industry: Porter's Five Forces Analysis

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