

Drones in Construction Industry Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

DRONE-BASED IMAGERY TAKING OFF IN CONSTRUCTION INDUSTRY

This market analysis report focuses on the engineering design tools (EDT) and building information modeling (BIM) applications that use high-resolution imagery captured from a drone for construction and infrastructure projects. A drone, with its onboard camera, is just a tool for capturing images, and the EDT and BIM are the true essence of the construction industry, regardless of where the data capture inputs come from.

Drones are increasingly becoming the preferred image capture vehicle for construction projects across the entire spectrum of building and infrastructure environments with photogrammetry determining the geometric properties of objects from photographic images.

This report identifies three sectors of construction: buildings, infrastructure, and

industrial. While there are some significant differences, industrial plants are reported under buildings.

Infrastructure is often called heavy civil or heavy engineering that includes large public works, dams, bridges, highways, railways, seaports, airports, water or wastewater, and utility distribution. This segment of the market is more conducive for drones because of the larger areas and distances involved, and both developed and developing regions see infrastructure as a top priority.

While this report touches on the three disciplines involved - drones, construction, and EDT/BIM - the analysis is on the spot where the three come together.

For more information, please visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

Users have been exhibiting a cautious optimism toward drones in construction, but their time has come. It's now a question of just where and how drones can be utilized in commercial applications. So how can suppliers get the construction users into the program sooner than later?

- Are different strategies required for users vs. suppliers?
- Which type of construction has the biggest potential?
- Understanding the elements to having own drone program?
- Are drones valuable tools for the construction industry?

RESEARCH FORMATS

This ARC research is available in the form of a concise, executive-level Market Analysis Report (PDF).

RESEARCH FOCUS AREAS

OVERVIEW

Market Opportunities
Construction
Software
Services

MARKET DEFINITION

Drones
Drone Regulations
What is Drone Data
Construction Projects
Construction Type
Construction Stages
End User/Buyer

Benefits of Using Drones in Construction
EDT/BIM Solutions

MARKET SIZE & FORECASTS

Major Trends
Regional Trends
Worldwide Revenue
Revenue by Region
North America
Europe, Middle East, Africa
Asia
Latin America

Revenue by Construction Type

Construction
Industrial
Infrastructure

STRATEGIC RECOMMENDATIONS

For Users
For Suppliers

INDUSTRY PARTICIPANTS

The research identifies and profiles the leading suppliers serving this market.

Drones in the Construction Industry
Focused on EDT & BIM for Buildings and Infrastructure

