Drones in Construction Industry Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

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/.

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).

OVERVIEW
Market Opportunities
  Construction
  Software
  Services

MARKET DEFINITION
Drones
Drones 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

Revenue by Construction Type
  2018
  2019
  2020
  2021
  2022
  2023