# **Drones in Construction Industry – Application and Product Analysis**

**Case Study** 

Client	A leading powertool manufacturer
Industry	Pow er tools
Products	Drilling & demolition, cordless systems, and direct fastening systems

#### Context

- The client focused on expanding its business offerings in the construction industry by using drone technology.
- The client also focused on identifying different applications in the construction industry, evaluating various types of drones, and studying the complete ecosystem of entities working in the area of drones.

# **Key Business Questions**

- Which types of drones are used for different applications in the construction industry?
- Who are the entities offering drone services in the construction industry?
- Which is the most commonly used drone in the construction industry?

# **Engagement Scope**

experts Others

- Application Analysis
   Identification of different uses of drones in the construction industry
   Processing techniques used by each application
   Potential application of drones
   Based on problems prevailing in the construction industry
   Based on inputs from industry
- Ecosystem Analysis

  Details of entities in the following categories (mainly operating in China)

  Drone Manufacturers

  Service Providers (Software and Hardware)

  Component Suppliers

  Commercial Drone Users
- Regulatory Scenario

  Drone regulations in China to be followed by:

  Manufacturers

  Operators
- Solution Analysis
   Identification of drones
   Classification according to specification, aircraft type, equipment used, method of control, and processing techniques

**Product Scouting &** 

Various technical parameters considered for assessment of drones identified from the above activity

### Research Methodology

#### Secondary Research

- Conducted desk research to understand applications, drone technology, drone products, and the drone ecosystem
- Referred to paid databases and analyzed patents related to drones in construction

#### Primary Research

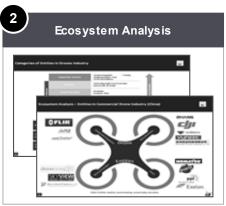
 20+ telephonic interviews conducted with manufacturers, distributors, and industry experts

#### **Benefits to Client**

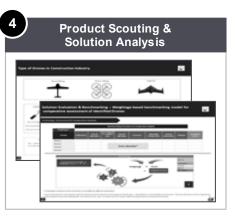
- Based on the study and recommendations, the client acquired a better outlook on drones used for different construction applications.
- The study enabled:
  - In-depth understanding of the effectiveness of drones in saving time and cost of construction activities
  - Comprehensive insights on drones that are best suited for different applications of the client

# Sample Analysis









# Thank you

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