

# Autonomy poised to impact aerial imaging market

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*Aerial Imaging is a technique used to capture images of the ground from an elevated position*

HYDERABAD, TELANGANA, INDIA, August 30, 2018 /EINPresswire.com/ -- [Aerial Imaging](#) is a technique used to capture images of the ground from an elevated position. To be more specific, it is a method to capture photographs from a flying object. Seeing the world from height is a metaphoric experience. With a top angle view, visibility perception of an object differs, such as a leafless tree becomes a spider web, a circus tent transforms into a sweet box and a harvest field looks alike slashes of flaxen and gold. The increasing adoption of aerial imagery in multiple application areas, such as monitoring, geospatial, energy and resource management, conservation and research, exhibition and entertainment, disaster management and development has been the key driver for the global market growth. Aerial photography is a high precision and cost effective technique utilized across various industry verticals. The demand for imagery data associated with geospatial data is a prominent factor to drive the market growth.

Although the use of aerial imaging technique is cost-effective there are certain challenges associated with its employment, such as lack of safety insurance, limited assurance, and concern of privacy when the action is performed by a drone or other autonomous devices. At present, journalists are operating drones to collect valuable information but there are certain challenges associated with it such as negative public perception, privacy violation risk, operational safety risk, hazards are among others. Besides these challenges, aerial photography also provides with an amazing experience such as perfect shot, elevated angle view, and pilot handling experience among others.

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<https://industryarc.com/Report/16300/aerial-imaging-market.html>

The task of capturing aerial images is certainly not easy in different applications areas such as agriculture field, construction site or property area. For capturing images from an aircraft a drone, pilot needs to communicate with a client about the areas to analyze and inspect. In addition, pilots needs to be well trained to operate an aircraft from the remote location, so that it can be placed on the correct coordinates. To zoom in to the correct location or area, pilot needs to have an information about the target blueprints. This will further enable him to operate with accuracy.

Commercial use of drones or capturing aerial imagery is ban in most of the global market because of privacy and terrorist concern; this is expected to restrain the market growth. Once the new regulation will be release by government, commercial market will run exponentially in the areas such as construction to agriculture, industrial monitoring to photography and disaster management to physical deliveries. Aerial imaging will come up with the rise of new industry with millions of dollar in revenues and thousands of job. The future of aerial imaging industry can bring million dollar of revenues with thousands of job.

Aerial imaging can be employed for various industry verticals such as agriculture, construction, media, real-estate, regulation & compliance. Aerial imagery will help farmers to be informed about their vast agricultural acreage by capturing high resolution elevated pictures with details of an individual plant. This will further help the farmers to take informed decisions about their

crops growth and field, reduce water wastage and increase production efficiency.

An aerial spectral imagery company Ceres Imaging, helps farmers to solve their problem with a unique pair of hardware set and agriculture expertise have received a funding of \$5 million by Romolus capital. Birmingham-based geospatial insight, it provides information and intelligence through aerial and satellite imagery, has received £1.68m investment to expand its caps. Company named Glasgow-based Bird, a French entrepreneur with a background in earth observation satellite management has secured £210,000 of RSA funding from Scottish Enterprise.

A drone of this era is a mini flying computer; it can land, take off and hover in a place with the help of sensors and microelectronics. Fully automated drones will address certain challenges such as collision avoidance. The autonomous feature of drone will remove the operator from the equation, this will further lower down human errors. Equipped with better features of aerial imaging techniques, autonomous drones will be capable of gathering more data with accurate angle and from a long distance. Autonomy will create more capable drones than those existing today.

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Aerial Imaging Market is segmented as indicated below:

#### 6. Aerial Imaging Market – By Platform

- 6.1. Fixed wing aircraft
- 6.2. Helicopter
- 6.3. UAV/Drone
- 6.4. Parachutes
- 6.5. Airship
- 6.6. Blimps
- 6.7. Balloons
- 6.8. Rockets
- 6.9. Vehicle mounted poles
- 6.10. Others

#### 7. Aerial Imaging Market – By Imaging Type

- 7.1. Vertical
- 7.2. Oblique
  - 7.2.1. Low oblique
  - 7.2.2. High or steep oblique

#### 8. Aerial Imaging Market – By Application

- 8.1. Geospatial Mapping
- 8.2. Disaster Management
- 8.3. Energy and Resource Management
- 8.4. Surveillance & Monitoring
- 8.5. Conservation and Research
- 8.6. Urban Planning
- 8.7. Others

#### 9. Aerial Imaging Market – By End Users

- 9.1. Government
- 9.2. Military & Defense
- 9.3. Energy Management
- 9.4. Agriculture & Forestry
- 9.5. Civil Engineering & Archeology

9.6. Oil & Gas Refinery

9.7. Others

Companies Cited/Referenced/Interviewed

CICADE S.A.,  
Eagle Aerial Solutions,  
AeroMetric Inc,  
Google Inc,  
BLOM ASA,  
Digital Aerial Solutions LLC,  
Fugro Earthdata,  
Inc. (Fugro N.V.),  
Cooper Aerial Surveys Co.,  
EagleView Technologies,  
Kucera International Inc.,  
Premier Geospatial, Inc,  
Landiscor Aerial Information,  
High Eye Aerial Imaging Inc,  
Ofek Aerial Photography,  
NRC Group ASA.  
Colorado Aerial Imaging  
Nearmap Ltd.  
Fugro N.V.  
Company 30+

Related Reports:

A. Infrared Imaging and Wide Area Surveillance Imaging Market  
<https://industryarc.com/Report/15727/infrared-imaging-market.html>

B. Cooled Infrared Imaging Market  
<https://industryarc.com/Report/32/global-cooled-infrared-imaging-market-analysis-report.html>

What can you expect from the report?

The Aerial imaging market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis ( By Revenue & Volume )
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

## Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in Aerial imaging market?  
Response: Yes, we do have separate reports and database as mentioned below:

1. North America Aerial imaging market (2018-2023)
2. South America Aerial imaging market (2018-2023)
3. Europe Aerial imaging market (2018-2023)
4. Asia Pacific Aerial imaging market (2018-2023)
5. Middle East and Africa Aerial imaging market (2018-2023)
6. Fixed wing aircraft market for Aerial imaging (2018-2023)
7. UAV/Drone Market for Aerial imaging (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography or product chapter.
3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

Any other custom requirements can be discussed with our team, drop an e-mail to [sales@industryarc.com](mailto:sales@industryarc.com) to discuss more about our consulting services.

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We look forward to support the client to be able to better address their customer needs, stay ahead in the market, become the top competitor and get real-time recommendations on business strategies and deals. Contact us to find out how we can help you today.

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