Commercial Drones - Global Strategic Analysis

Description: This report analyzes the worldwide markets for Commercial Drones in US$ Thousand. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World.

Annual estimates and forecasts are provided for the period 2014 through 2020. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 256 companies including many key and niche players such as:

3D Robotics, Inc.
AeroVironment, Inc.
Agribotix, LLC
Airware
Challis Heliplane UAV, Inc.

Contents: I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS
Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study
Commercial Drones

II. EXECUTIVE SUMMARY
1. INDUSTRY OVERVIEW
Drones Fly into Commercial Space!
Drones Market to Transition from Military to Commercial and Civilian Applications
Table 1: Global UAV Market by Application Segment (2015E & 2025P): Percentage Share Breakdown of Value Sales for Civil and Military Sectors (includes corresponding Graph/Chart)
Table 2: Global Unmanned Aerial Vehicles (UAV) Market (2015E): Percentage Share Breakdown of Unit Sales for Civilian Drones and Military Drones (includes corresponding Graph/Chart)
Use Cases of Commercial Drones Continue to Expand
Technology Advancements Critical for Commercial Drones Market
Rotary Blade UAVs to Lead Commercial Drones Market
Multirotor Drones Find Demand from Non-Military Applications
Challenges Confronting Commercial Drones Market
Lack of Regulatory Framework Hampers Adoption of Drones in Commercial Sector
Proposed Regulatory Changes in the US: Positive Implication for Small UAS Market
Drone Use Raises Concerns over Damage to Property & People
Commercial Drones Raise Concerns over Privacy of Individuals & Property
Europe to Drive Future Growth in the Commercial Drones Market

2. COMPETITIVE LANDSCAPE
Competition Set to Intensify in the Commercial Drones Marketplace
Table 3: Number of Legal Commercial Drone Operators in Select Countries (includes corresponding Graph/Chart)
Tech Companies Foray into Commercial Drones Market
Semiconductor Vendors Look to Tap Opportunities in Commercial Drones Market
Venture Community Funds Commercial Drone Companies
Table 4: Most Funded Startups in the Commercial Drones Market (includes corresponding Graph/Chart)
Table 5: A Glance at Drone Startups Attracting Funding from Investors (includes corresponding Graph/Chart)
Intense Competition to Pave Way for Consolidation?
3. MARKETS TRENDS & ISSUES
High Economic Value of Commercial Drones Market
Rising Prominence of Drones as Risk Mitigation Tools to Fuel Adoption in Non-Military Sectors
Drone-as-a-Service: A Growth Opportunity for Commercial Drones Market
Large Commercial Drones Offer Potential Growth Opportunities
Improving Data Gathering & Monitoring of Drones Bodes Well for Commercial Applications
Beyond Line of Sight Drone Operations to Stir Future Growth
VTOL Unmanned Aerial Vehicles Market Takes Off
Photography Drones
Smart Capabilities Spur Adoption
Falling Cost of Materials Bodes Well for the Adoption of Commercial Drones
Table 6: Pricing Trend of Carbon Fiber (2012-2020) (In US$ per Kg) (includes corresponding Graph/Chart)
Advancing Smartphone Tech Facilitates Adoption of Drones in Commercial Applications
Testing: An Essential Requirement for Commercialization of Drones
Open Source Development Efforts to Reduce Penetration of Proprietary Drone Designs
Collision Avoidance Technology: Essential Requirement for Commercial UAVs
Drones to Transform Internet of Things (IoT) Landscape
Software & Application Services to Boost Growth
Design & Components of Commercial Drones
Scope for Further Improvements
Standardization of UAS
A Critical Issue
Trends & Developments in Various Application Markets of Commercial Drones
Agricultural Drones Market
An Opportunity to Tap
Drones Critical for Improving Crop Yields
Drones Emerge as a Legitimate Tool for Film & Television Production Companies
Rising Significance of Drone for Imaging & Inspection of Commercial Real Estate Sector
Drones Find Use in Inspection of Vital Infrastructure Assets
Drones Promise Improved Safety & Reliability in Power Utilities
Rising Significance of Drones in Wind Turbine Inspection
Growing Prominence of Drones in Search & Rescue Missions
Drones to Disrupt Retail Sector Operations
Internet Communications: Delivery by Drones
Drone-based Delivery: A Promising Technology for Logistics & E-Commerce Companies
UAV Technology to Enable Creation of Customized 3D Maps
3D Mapping to Optimize Vehicular Movement at Construction Sites
GIS Market
A Potential Growth Area for Drones
Drones Promise to Reduce Risk for Hurricane Hunters
Drone Use Aids in Wildlife Protection
Impact of Commercial Drones on P/C Insurance Industry

4. REGULATORY FRAMEWORK FOR COMMERCIAL DRONES
USA
Canada
Europe
Germany
Italy
The United Kingdom
Australia

5. PRODUCT OVERVIEW
What are Drones?
History of UAVs
Commercial Drones: A Definition
Hardware Components of a Drone
Types of Commercial Drones
Fixed Wing Commercial Drones
Rotary Blade Commercial Drones
Nano Commercial Drones
Hybrid Commercial Drones
Applications of Commercial Drones
Commercial Photography/Videography
Public Safety
Media
Agriculture
Wildlife Conservation
Internet Service
Package Delivery
Construction
Existing & Potential Application Areas of Drones

6. PRODUCT/SERVICE INNOVATIONS/ INTRODUCTIONS
DJI Launches New Geofencing System
Skyward Introduces Information Management Solution for Commercial Drones
DJI Unveils Flying Camera for Beginners
3DR Unveils Solo Smart Drone
DHL Introduces Drone Delivery Service in Germany
Parrot Introduces AR Drone 3.0
Flirtey to Launch Commercial Drone Delivery of Zookal Textbooks

7. RECENT INDUSTRY ACTIVITY
3DR and Shibamoto Partner for Agricultural Drones
Agribotix and Lankota® Partner for Drone-based Agricultural Technologies
ARCA Selects Spaceport America for Drone Testing
DAC and Mid-Atlantic Aviation Partner for Tethered Drone Commercialization
Sony to Begin Commercial Drone Services
SkySpecs Receives Series A Round of Funding
Sky-Futures Bags Series A Funding from MMC Ventures
Ehang Raises Series B Funding for Commercial Drones
Intel Invests in Yuneec
Measure and PrecisionHawk Partner for Commercial UAS Services
Duke Energy Gains FAA Permission for Testing Drone Technology
CyPhy Works Obtains FAA Exemption for PARC System in US
CyPhy Works Receives $22 Million in Series B Investments
Motorola Solutions Makes Strategic Investment in CyPhy Works
Trimble Gains FAA's Section 333 Exemption for UX5 Aerial Imaging Solution
Skycatch Receives $25 Million in Series B Funding
Bechtel Gains FAA's 333 Exemption for Operating Skycatch's UAV Data Solution
SkyWard Announces Urban SkyWays Project
Airware and NASA Partner for Developing UAS Traffic Management System
AeroVironment and Lockheed to Pursue UAS Development Opportunities
Parrot Invests in Airinov and EOS innovation
BP and AeroVironment Bag FAA Permission for Using Drones

8. FOCUS ON SELECT PLAYERS
3D Robotics, Inc. (US)
AeroVironment, Inc. (US)
Agribotix, LLC (US)
Airware (US)
Challis Heliplane UAV, Inc. (Canada)
Cyberhawk Innovations Ltd. (UK)
CyPhy Works, Inc. (US)
Draganfly Innovations Inc. (Canada)
DroneDeploy (US)
Drone Aviation Holding Corporation (US)
EHang, Inc. (China)
Lockheed Martin Corporation (US)
Parrot SA (France)
senseFly Ltd. (Switzerland)
PrecisionHawk (US)
Prioria Robotics, Inc. (US)
Sharper Shape Ltd. (Finland)
Skycatch, Inc. (US)
SZ DJI Technology Co., Ltd. (China)
Trimble Navigation Limited (Belgium)
9. GLOBAL MARKET PERSPECTIVE

Table 7: World Recent Past, Current and Future Analysis for Commercial Drones by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets Independently Analyzed with Annual
Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 8: World 7-Year Perspective for Commercial Drones by Geographic Region
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific and Rest of World Markets
for Years 2014, 2015 & 2020 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Commercial Drones Market in the United States
A Primer
Table 9: US UAV Hardware Market by Sector (2020P): Percentage Share Breakdown of Sales for Agriculture,
Logistics, Military, Oil & Gas, Photography, and Public Safety (includes corresponding Graph/Chart)
Regulations & Legislative Framework: Critical for Commercial Drones Market
FAA Exemptions for Commercial Drones Operations on the Rise
Table 10: FAA Section 333 Exemptions Operation / Mission in the US (2015): Percentage Share Breakdown of
Number of Exemptions by Application (includes corresponding Graph/Chart)
Illegal Drone Flights
A Concern for Authorities
Beyond Line of Sight Drone Operations to Stir Future Growth
Agriculture
A Key End Use Market for Commercial Drones
Drone-based Filmmaking
A Relatively Mature Market
Promising Opportunities in Security and Surveillance Market
Military Drones Transform into Commercial UAVs
USAA Seeks Permit for Testing Drones in Claims Processing
US Government Conducts Tests to Control Drones Infiltrating Sensitive Areas
Industry Players Focus on Drone Software Development
Competition
Rise in Venture Capital Funding for Commercial Drone Startups
Table 11: Investments in the US Commercial Drones Market (2010-2015) (In $ Million) (includes
corresponding Graph/Chart)
Table 12: Leading Drone Companies Attracting Venture Capital Funding Support in the US in 2014-2015
(includes corresponding Graph/Chart)
Table 13: US Commercial Drones Market (2015): Percentage Share Breakdown of Funded Companies by
Focus Area (includes corresponding Graph/Chart)
Product Innovations/Introductions
Strategic Corporate Developments
Key Players
B. Market Analytics

Table 14: US Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual
Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

2. CANADA

A. Market Analysis

Current and Future Analysis
Regulation
Key Players
B. Market Analytics

Table 15: Canadian Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual
Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

Market Overview
Strategic Corporate Developments
B. Market Analytics
Table 16: Japanese Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Europe Adopts a Positive Approach to Drones in Commercial Applications
Policy Differences between EASA and FAA Allow Europe to Gain an Edge over the US
B. Market Analytics
Table 17: European Recent Past, Current and Future Analysis for Commercial Drones by Geographic Region France, Germany, Italy, UK, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 18: European 7-Year Perspective for Commercial Drones by Geographic Region Percentage Breakdown of Revenues for France, Germany, Italy, UK, Russia and Rest of Europe Markets for Years 2014, 2015 & 2020 (includes corresponding Graph/Chart)

4a. FRANCE
A. Market Analysis
Current and Future Analysis
Strategic Corporate Developments
Key Player
B. Market Analytics
Table 19: French Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

4b. GERMANY
A. Market Analysis
Current and Future Analysis
Revised Regulations for Civil Drones
Product Innovation/Introduction
B. Market Analytics
Table 20: German Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

4c. ITALY
A. Market Analysis
Regulations Make Way for Commercial Drone Operations
B. Market Analytics
Table 21: Italian Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM
A. Market Analysis
Market Overview
Regulatory Landscape
Strategic Corporate Development
Key Player
B. Market Analytics
Table 22: UK Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

4e. RUSSIA
Market Analysis
Table 23: Russian Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

4f. REST OF EUROPE
A. Market Analysis
Current and Future Analysis
Czech Republic: Commercial Drones Find Favor
Denmark
A Glance at Regulations Governing Commercial Drone Operations
Ireland: Drone Use in Monitoring & Data Collection Purposes Gains Momentum
Key Players
B. Market Analytics
Table 24: Rest of Europe Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
A. Market Analysis
Market Overview
Australia: Liberal Policies Favor Commercial Drone Companies
China
A Nascent Yet Promising Commercial Drones Market
Rising Demand for Camera Drones in China
China’s Made in China 2025 Plan Focuses on UAS Industry Growth
Competitive Scenario
Startups Heat Up Competition in the Commercial UAVs Market
Chinese Companies Become Targets for Venture Capital Firms
India
A High Potential Market
DGCA Bans Use of Drones by Civilians
Singapore: New Drone Regulation Favors Growth
Malaysia
Product Innovations/Introductions
Strategic Corporate Developments
Key Players
B. Market Analytics
Table 25: Asia-Pacific Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

6. REST OF WORLD
A. Market Analysis
Current and Future Analysis
Latin America
Rising Interest in Drone Use
Brazil
A Major Drone User
Mexico
Revised Regulations Ease Use of Commercial Drones
Increasing Use of Drones for Archeological Applications in Peru
Africa: Lack of Regulations Affect Adoption
South Africa Adopts Stringent Drone Regulations
UAE Identifies Drones as Critical Part of Smart Government Initiatives
B. Market Analytics
Table 26: Rest of World Recent Past, Current and Future Analysis for Commercial Drones Analyzed with Annual Revenue Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE Total Companies Profiled: 256 (including Divisions/Subsidiaries 262)
The United States (85)
Canada (10)
Japan (4)
Europe (100)
- France (21)
- Germany (13)
- The United Kingdom (11)
- Italy (2)
- Spain (6)
- Rest of Europe (47)
Asia-Pacific (Excluding Japan) (40)
Latin America (9)
Africa (5)
Middle East (9)
Ordering:  
Order Online - http://www.researchandmarkets.com/reports/3619376/  
Order by Fax - using the form below  
Order by Post - print the order form below and send to  

Research and Markets,  
Guinness Centre,  
Taylors Lane,  
Dublin 8,  
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Commercial Drones - Global Strategic Analysis  
Web Address: http://www.researchandmarkets.com/reports/3619376/  
Office Code: SCBRYG3F

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>USD 4500</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td>USD 6300</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users</td>
<td>USD 8550</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users</td>
<td>USD 10800</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title:  
Mr  [ ]  Mrs  [ ]  Dr  [ ]  Miss  [ ]  Ms  [ ]  Prof  [ ]  
First Name: ___________________________  
Last Name: ___________________________  
Email Address: * ___________________________  
Job Title: ___________________________  
Organisation: ___________________________  
Address: ___________________________  
City: ___________________________  
Postal / Zip Code: ___________________________  
Country: ___________________________  
Phone Number: ___________________________  
Fax Number: ___________________________  

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: 

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World