Unmanned Aerial Vehicles for First Responders: Global Market & Technology Forecast, Buying Guide and Operating Concept – 2016-2021

Description: First Responder UAVs Are Finally Getting Serious. Law enforcers and other First Responders have a very poor track record with ‘drones’ or Unmanned Aerial Vehicles (UAVs). They proved as likely to recover insurance money after a crash as to recover a lost citizen.

With so much hype and promise, why have UAVs for First Responders worked out so poorly?

One fundamental reason is that First Responders believed the sales hype and bought whatever toy, radio controlled, hobby drone the industry would paint in their colors. Two thousand dollar RC helicopters became $150,000 ‘systems’. Quad, hex and octo rotors became the flavors of the day. Then reality arrived in the form of weather, darkness, airspace rules and a pair of officers sidelined to struggle with each toy.

The airspace bureaucracy is very slow: The FAA is not sure how to deal with this new phenomenon (other than to try to restrict their operation as much as possible). Almost daily news of civilian quadcopters flying illegally near commercial airlines, interfering with firefighting efforts and invading privacy harm First Responder efforts to do it right.

No wonder that the public is very suspicious of unmanned systems for First Responders.

This is why we created an all-you-need-to-know UAVs for First Responders report – a single publication that combines a Market and Technology Forecast with an Operating Concept and a Buying Guide.

- System designers, vendors, policy makers and operators will benefit from the comprehensive markets and technologies analysis.
- First Responders need the Buying Guide to avoid the very costly mistakes some of their predecessors made, plus the terminal mistake of copying military methods.
- Both groups need the detailed Operating Concept because, without a proper Operating Concept, there is no way to successfully procure, integrate, train for and operate this new generation of autonomous aircraft.

Specifically, this report provides the following advantages:

- Timely Business Opportunities – specific details on what First Responders need and how to sell to them in a way that generates profitable word of mouth sales.
- Reasoned Market Forecasts – fact-based, scenario-driven tables and charts over multiple technologies and regions.
- Reasoned Technology Forecasts – only the relevant systems with clear explanations of the differences with the UAVs seen in todays press.
- Education – both First Responders and sellers will learn the best ways to develop these new capabilities while avoiding the political problems.
- Detailed Drivers and Inhibitors – what will help the markets and what will hurt them.
- Readers, particularly homeland security professionals, will be better prepared to use future capabilities, better equipped to compete for those sales and well prepared for the coming changes.

Contents:
1. Introduction
   1.1. Scope
1.2. What are First Responders?
1.3. What are UAVs?
1.4. Forecast Scenarios
   1.4.1. Why Scenarios?
   1.4.2. Scenario I: Little or No Access to Civilian Airspace
   1.4.3. Scenario II: Easy Access to Civilian Airspace
   1.4.4. Scenario Notes
1.5. Research Team and Methods
1.6. Who Will Benefit from this Forecast?
5.3. Storage and Launch Systems

5.3.1. Recommendation

5.4. The Bottom Line

5.4.1. UAVs are Strange and Scary.

5.4.2. With an Aviation Unit

5.4.3. Without an Aviation Unit

5.4.4. Validate Seller Claims

5.4.5. Learn from Early UAV Adopters

6. Drivers & Inhibitors

6.1. Drivers (The Good News)

6.1.1. Military UAV Successes

6.1.2. Aircraft Expense

6.1.3. Technology is Here and Improving

6.1.4. Will Certainly Save Lives

6.1.5. Commercial Pressure to Open Airspace

6.1.6. Early Success will Improve Public Acceptance

6.1.7. Domestic Production

6.1.8. American UAV Test Sites

6.2. Inhibitors (The Bad News)

6.2.1. Airspace Regulators

6.2.2. American Airspace Regulators Ignoring First Responders

6.2.3. Government Lies & Invasions of Privacy

6.2.4. Public Fears "Drones"

6.2.5. Vendors Over-Promise and Under-Deliver

6.2.6. Airspace Integration is Very, Very Difficult

6.2.7. Nobody Wants to be First

7. Introduction to Forecasts

7.1. Basic Assumptions

7.1.1. Scenario I

7.1.2. Scenario II

7.2. Micro UAVs for Urban Areas

7.2.1. Scenario I Forecast

7.2.2. Scenario II Forecast

7.2.3. Technology Upside

7.2.4. Reality Check (downside)

7.3. Low Altitude UAVs for Open Spaces

7.3.1. Scenario I Forecast

7.3.2. Scenario II Forecast

7.3.3. Technology Upside

7.3.4. Reality Check (downside)

8. UAVs for First Responders - Market Forecast by Regions - 2016-2021

8.1. Scenario I - UAVs for First Responders Market Forecast by Region - 2016-2021

8.1.1. Africa - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.1.2. Central Asia - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.1.3. Europe - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.1.4. Near East - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.1.5. North America - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.1.6. South America - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.1.7. East Asia & Oceania - Scenario I UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2. Scenario II - UAVs for First Responders Market Forecast by Region - 2016-2021

8.2.1. Africa - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2.2. Central Asia - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2.3. Europe - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2.4. Near East - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2.5. North America - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2.6. South America - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021

8.2.7. East Asia & Oceania - Scenario II UAVs for First Responders - Market Forecast by Technology - 2016-2021
9. UAVs for First Responders - Market Forecast by Technology - 2016-2021
9.1. Scenario I - UAVs for First Responders Market Forecast by Technology - 2016-2021
9.1.1. Micro UAVs for First Responders - Scenario I Market Forecast by Region - 2016-2021
9.1.2. Low Altitude UAVs for First Responders - Scenario I Market Forecast by Region - 2016-2021
9.1.3. Medium Altitude UAVs for First Responders - Scenario I Market Forecast by Region - 2016-2021
9.1.4. High Altitude UAVs for First Responders - Scenario I Market Forecast by Region - 2016-2021
9.2. Scenario II - UAVs for First Responders Market Forecast by Technology - 2016-2021
9.2.1. Micro UAVs for First Responders - Scenario II Market Forecast by Region - 2016-2021
9.2.2. Low Altitude UAVs for First Responders - Scenario II Market Forecast by Region - 2016-2021
9.2.3. Medium Altitude UAVs for First Responders - Scenario II Market Forecast by Region - 2016-2021
9.2.4. High Altitude UAVs for First Responders - Scenario II Market Forecast by Region - 2016-2021
10. UAVs for First Responders - Procurement Forecast by Technology - 2016-2021
10.1. Scenario I - UAVs for First Responders - Global Procurement Forecast by Technology - 2016-2021
10.2. Scenario II - UAVs for First Responders - Global Procurement Forecast by Technology - 2016-2021
11. UAVs for First Responders Procurement Forecast by Region - 2016-2021
11.1. Scenario I - UAVs for First Responders Procurement Forecast by Region - 2016-2021
11.2. Scenario II - UAVs for First Responders Procurement Forecast by Region - 2016-2021
12. UAVs for First Responders - Operation and Maintenance Market Forecast by Technology - 2016-2021
12.1. Scenario I - UAVs for First Responders - Global Operation and Maintenance Market Forecast by Technology - 2016-2021
12.2. Scenario II - UAVs for First Responders - Global Operation and Maintenance Market Forecast by Technology - 2016-2021
13. UAVs for First Responders - Operations and Maintenance Market Forecast by Region - 2016-2021
13.1. Scenario I - UAVs for First Responders Operations and Maintenance Market Forecast by Region - 2016-2021
13.2. Scenario II - UAVs for First Responders Operations and Maintenance Market Forecast by Region - 2016-2021
14. UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.1. UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by Technology - 2016-2021
14.1.1. Micro UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.1.2. Low Altitude UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.1.3. Medium Altitude UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.1.4. High Altitude UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.2. UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison by Technology - 2016-2021
14.2.1. Micro UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison - 2016-2021
14.2.2. Low Altitude UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison - 2016-2021
14.2.3. Medium Altitude UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison - 2016-2021
14.2.4. High Altitude UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison - 2016-2021
14.3. UAVs for First Responders - Scenario I vs. Scenario II Operation and Maintenance Market Forecast Comparison by Technology - 2016-2021
14.3.1. Micro UAVs for First Responders - Scenario I vs. Scenario II Operation and Maintenance Market Forecast Comparison - 2016-2021
14.3.2. Low Altitude UAVs for First Responders - Scenario I vs. Scenario II Operation and Maintenance Market Forecast Comparison - 2016-2021
14.3.3. Medium Altitude UAVs for First Responders - Scenario I vs. Scenario II Operation and Maintenance Market Forecast Comparison - 2016-2021
14.3.4. High Altitude UAVs for First Responders - Scenario I vs. Scenario II Operation and Maintenance Market Forecast Comparison - 2016-2021
14.4. UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by Region - 2016-
14.4.1. Africa - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.4.2. Central Asia - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.4.3. Europe - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.4.4. Near East - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.4.5. North America - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.4.6. South America - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021
14.4.7. East Asia & Oceania - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison - 2016-2021

15. Business Opportunities
15.1. Opportunity 1
15.2. Opportunity 2
15.3. Opportunity 3
15.4. Opportunity 4
15.5. Opportunity 5
15.6. Opportunity 6
15.7. Opportunity 7
15.8. Opportunity 8
15.9. Opportunity 9
15.10. Opportunity 10
15.11. Opportunity 11
15.12. Opportunity 12
15.13. Opportunity 13
15.15. Opportunity 15

Appendices

Glossary

Police Chief's Proposed UAV Code of Conduct

AUVSI UAV Code of Conduct

UAVs for First Responders Summary Article

European Union working to Integrate UAVs into Europe's Airspace

List of Tables

Table 1 - Number of Commercial UAV Operators
Table 2 - Scenario I - UAVs for First Responders Market Forecast by Region by [ Millions ] - 2016-2021
Table 3 - Scenario II - UAVs for First Responders Market Forecast by Region by [ Millions ] - 2016-2021
Table 4 - Scenario I UAVs for First Responders - Global Market Forecast by Technology by [ Millions ] - 2016-2021
Table 5 - Scenario II UAVs for First Responders - Global Market Forecast by Technology by [ Millions ] - 2016-2021
Table 6 - Scenario I UAVs for First Responders - Global Procurement Forecast by Technology by [ Millions ] - 2016-2021
Table 7 - Scenario II UAVs for First Responders - Global Procurement Forecast by Technology by [ Millions ] - 2016-2021
Table 8 - Scenario I UAVs for First Responders - Global O&M Market Forecast by Technology by [ Millions ] - 2016-2021
Table 9 - Scenario II UAVs for First Responders - Global O&M Market Forecast by Technology by [ Millions ] - 2016-2021
Table 10 - UAVs for First Responders - Scenario I vs. Scenario II Global Market Forecast Comparison by
Table 44 - East Asia and Oceania - Scenario I UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 45 - East Asia and Oceania - Scenario I UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 46 - East Asia and Oceania - Scenario I UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 47 - East Asia and Oceania - Scenario I UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 48 - East Asia and Oceania - Scenario I UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 49 - Scenario II - UAVs for First Responders Market Forecast by Region by [$Millions] - 2016-2021
Table 50 - Scenario II - UAVs for First Responders Market Forecast Share by Region by [%] - 2016-2021
Table 51 - Africa - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 52 - Africa - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 53 - Africa - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 54 - Africa - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 55 - Africa - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 56 - Africa - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 57 - Central Asia - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 58 - Central Asia - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 59 - Central Asia - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 60 - Central Asia - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 61 - Central Asia - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 62 - Central Asia - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 63 - Europe - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 64 - Europe - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 65 - Europe - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 66 - Europe - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 67 - Europe - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 68 - Europe - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 69 - Near East - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 70 - Near East - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 71 - Near East - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 72 - Near East - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 73 - Near East - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 74 - North America - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 75 - North America - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 76 - North America - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 77 - North America - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 78 - North America - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 79 - North America - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 76 - North America - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 77 - North America - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 78 - North America - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 79 - North America - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 80 - South America - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 81 - South America - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 82 - South America - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 83 - South America - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 84 - South America - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 85 - South America - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 86 - East Asia and Oceania - Scenario II UAVs for First Responders - Market Forecast by Technology by [$Millions] - 2016-2021
Table 87 - East Asia and Oceania - Scenario II UAVs for First Responders - Market Forecast Share by Technology by [%] - 2016-2021
Table 88 - East Asia and Oceania - Scenario II UAVs for First Responders - Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 89 - East Asia and Oceania - Scenario II UAVs for First Responders - Procurement Forecast Share by Technology by [%] - 2016-2021
Table 90 - East Asia and Oceania - Scenario II UAVs for First Responders - O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 91 - East Asia and Oceania - Scenario II UAVs for First Responders - O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 92 - Scenario I UAVs for First Responders - Global Market Forecast by Technology by [$Millions] - 2016-2021
Table 93 - Scenario I UAVs for First Responders - Global Market Forecast Share by Technology by [%] - 2016-2021
Table 94 - Scenario I - Micro UAVs for First Responders Market Forecast by Region by [$Millions] - 2016-2021
Table 95 - Scenario I - Micro UAVs for First Responders Market Forecast Share by Region by [%] - 2016-2021
Table 96 - Scenario I - Micro UAVs for First Responders Procurement Forecast by Region by [$Millions] - 2016-2021
Table 97 - Scenario I - Micro UAVs for First Responders Procurement Forecast Share by Region by [%] - 2016-2021
Table 98 - Scenario I - Micro UAVs for First Responders O&M Market Forecast by Region by [$Millions] - 2016-2021
Table 99 - Scenario I - Micro UAVs for First Responders O&M Market Forecast Share by Region by [%] - 2016-2021
Table 100 - Scenario I - Low Altitude UAVs for First Responders Market Forecast by Region by [$Millions] - 2016-2021
Table 101 - Scenario I - Low Altitude UAVs for First Responders Market Forecast Share by Region by [%] - 2016-2021
Table 102 - Scenario I - Low Altitude UAVs for First Responders Procurement Forecast by Region by [$Millions] - 2016-2021
Table 103 - Scenario I - Low Altitude UAVs for First Responders Procurement Forecast Share by Region by [%] - 2016-2021
Table 104 - Scenario I - Medium Altitude UAVs for First Responders Market Forecast by Region by [$Millions] - 2016-2021
Table 105 - Scenario I - Medium Altitude UAVs for First Responders Market Forecast Share by Region by [%] - 2016-2021
Table 106 - Scenario I - Medium Altitude UAVs for First Responders O&M Market Forecast by Region by [$Millions] - 2016-2021
Table 107 - Scenario I - Medium Altitude UAVs for First Responders O&M Market Forecast Share by Region by [%] - 2016-2021
Table 108 - Scenario I - Medium Altitude UAVs for First Responders Procurement Forecast by Region by
Table 141 - Scenario II - High Altitude UAVs for First Responders Procurement Forecast Share by Region by [%] - 2016-2021
Table 142 - Scenario II - High Altitude UAVs for First Responders O&M Market Forecast by Region by [$Millions] - 2016-2021
Table 143 - Scenario II - High Altitude UAVs for First Responders O&M Market Forecast Share by Region by [%] - 2016-2021
Table 144 - Scenario I UAVs for First Responders - Global Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 145 - Scenario I UAVs for First Responders - Global Procurement Forecast Share by Technology by [%] - 2016-2021
Table 146 - Scenario II UAVs for First Responders - Global Procurement Forecast by Technology by [$Millions] - 2016-2021
Table 147 - Scenario II UAVs for First Responders - Global Procurement Forecast Share by Technology by [%] - 2016-2021
Table 148 - Scenario I - UAVs for First Responders Procurement Forecast by Region by [$Millions] - 2016-2021
Table 149 - Scenario I - UAVs for First Responders Procurement Forecast Share by Region by [%] - 2016-2021
Table 150 - Scenario II - UAVs for First Responders Procurement Forecast by Region by [$Millions] - 2016-2021
Table 151 - Scenario II - UAVs for First Responders Procurement Forecast Share by Region by [%] - 2016-2021
Table 152 - Scenario I UAVs for First Responders - Global O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 153 - Scenario I UAVs for First Responders - Global O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 154 - Scenario II UAVs for First Responders - Global O&M Market Forecast by Technology by [$Millions] - 2016-2021
Table 155 - Scenario II UAVs for First Responders - Global O&M Market Forecast Share by Technology by [%] - 2016-2021
Table 156 - Scenario I - UAVs for First Responders O&M Market Forecast by Region by [$Millions] - 2016-2021
Table 157 - Scenario I - UAVs for First Responders O&M Market Forecast Share by Region by [%] - 2016-2021
Table 158 - Scenario II - UAVs for First Responders O&M Market Forecast by Region by [$Millions] - 2016-2021
Table 159 - Scenario II - UAVs for First Responders O&M Market Forecast Share by Region by [%] - 2016-2021
Table 160 - UAVs for First Responders - Scenario I vs. Scenario II Global Market Forecast Comparison by [$Millions] - 2016-2021
Table 161 - Micro UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 162 - Low Altitude UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 163 - Medium Altitude UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 164 - High Altitude UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 165 - UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison by [$Millions] - 2016-2021
Table 166 - Micro UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison by [$Millions] - 2016-2021
Table 167 - Low Altitude UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison by [$Millions] - 2016-2021
Table 168 - Medium Altitude UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison by [$Millions] - 2016-2021
Table 169 - High Altitude UAVs for First Responders - Scenario I vs. Scenario II Procurement Forecast Comparison by [$Millions] - 2016-2021
Table 170 - UAVs for First Responders - Scenario I vs. Scenario II O&M Market Forecast Comparison by [$Millions] - 2016-2021
Table 171 - Micro UAVs for First Responders - Scenario I vs. Scenario II O&M Market Forecast Comparison by [$Millions] - 2016-2021
Table 172 - Low Altitude UAVs for First Responders - Scenario I vs. Scenario II O&M Market Forecast Comparison by [$Millions] - 2016-2021
Table 173 - Medium Altitude UAVs for First Responders - Scenario I vs. Scenario II O&M Market Forecast Comparison by [$Millions] - 2016-2021
Table 174 - High Altitude UAVs for First Responders - Scenario I vs. Scenario II O&M Market Forecast Comparison by [$Millions] - 2016-2021
Table 175 - Africa - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 176 - Central Asia - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 177 - Europe - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 178 - Near East - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 179 - North America - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 180 - South America - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021
Table 181 - East Asia & Oceania - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [$Millions] - 2016-2021

List of Figures

Figure 1 - US States Restricting UAVs for Law Enforcement
Figure 2 - American States Competing to Test UAVs
Figure 3 - Impacted Clutha Pub
Figure 4 - SkySentry Aerostat System
Figure 5 - GimBall Micro UAV
Figure 6 - Scenario I - UAVs for First Responders Market Forecast by Region by [$Millions] - 2016-2021
Figure 7 - Scenario II - UAVs for First Responders Market Forecast by Region by [$Millions] - 2016-2021
Figure 8 - Scenario I UAVs for First Responders - Global Market Forecast by Technology by [$Millions] - 2016-2021
Figure 9 - Scenario II UAVs for First Responders - Global Market Forecast by Technology by [$Millions] - 2016-2021
Figure 10 - Scenario I UAVs for First Responders - Global Procurement Forecast by Technology by [$Millions] - 2016-2021
Figure 11 - Scenario II UAVs for First Responders - Global Procurement Forecast by Technology by [$Millions] - 2016-2021
Figure 12 - Scenario I UAVs for First Responders - Global O&M Market Forecast by Technology by [$Millions] - 2016-2021
Figure 13 - Scenario II UAVs for First Responders - Global O&M Market Forecast by Technology by [$Millions] - 2016-2021
Figure 14 - UAVs for First Responders - Scenario I vs. Scenario II Global Market Forecast Comparison by [$Millions] - 2016-2021
Figure 15 - UAV Manufacturing Nations - by Capability
Figure 16 - Titan Aerospace Solaray UAV
Figure 17 - Stratospheric UAV Airship Design
Figure 18 - Global Observer: Stratospheric UAV Design
Figure 19 - Heron TP: Jet Stream UAV
Figure 20 - Anka: High Altitude UAV
Figure 21 - Shadow: Medium Altitude UAV
Figure 22 - Uqab II: Low Altitude UAV
Figure 23: Aerial Electric Visual Assistant (AEVATM)
Figure 24 - Model A-10 Fire Fighting Aircraft
Figure 25 - German Soldier Hand Launching a Micro UAV
Figure 26 - Mesa County, Colorado, USA Draganflyer X6
Figure 27 - Black Hornet Nano UAV
Figure 28 - Nighthawk IV
Figure 29 - Conventional Large Aerostat Design
Figure 30 - Improved Large Aerostat Design
Figure 31 - Aerostat Designed For Low Wind Drag
Figure 32 - XFC: Micro UAV
Figure 33 - El Paso County, Colorado, USA
Figure 34 - Political Response Time Priorities
Figure 35 - Three and Ten Minute Response Coverage, No Wind
Figure 36 - Typical Operation, Overhead View
Figure 37 - Typical Operation, Side View
Figure 38 - Aerovironment Qubes Police Micro UAV
Figure 139 - Scenario I - High Altitude UAVs for First Responders Procurement Forecast by Region by [\$Millions] - 2016-2021
Figure 140 - Scenario I - High Altitude UAVs for First Responders Procurement Behavior by Region by [%] - 2016-2021
Figure 141 - Scenario I - High Altitude UAVs for First Responders O&M Market Forecast by Region by [\$Millions] - 2016-2021
Figure 142 - Scenario I - High Altitude UAVs for First Responders O&M Market Behavior by Region by [%] - 2016-2021
Figure 143 - Scenario II UAVs for First Responders - Global Market Forecast by Technology by [\$Millions] - 2016-2021
Figure 144 - Scenario II UAVs for First Responders - Global Market Behavior by Technology by [%] - 2016-2021
Figure 145 - Scenario II - Micro UAVs for First Responders Market Forecast by Region by [\$Millions] - 2016-2021
Figure 146 - Scenario II - Micro UAVs for First Responders Market Behavior by Region by [%] - 2016-2021
Figure 147 - Scenario II - Micro UAVs for First Responders Procurement Forecast by Region by [\$Millions] - 2016-2021
Figure 148 - Scenario II - Micro UAVs for First Responders Procurement Behavior by Region by [%] - 2016-2021
Figure 149 - Scenario II - Micro UAVs for First Responders O&M Market Forecast by Region by [\$Millions] - 2016-2021
Figure 150 - Scenario II - Micro UAVs for First Responders O&M Market Behavior by Region by [%] - 2016-2021
Figure 151 - Scenario II - Low Altitude UAVs for First Responders Market Forecast by Region by [\$Millions] - 2016-2021
Figure 152 - Scenario II - Low Altitude UAVs for First Responders Market Behavior by Region by [%] - 2016-2021
Figure 153 - Scenario II - Low Altitude UAVs for First Responders Procurement Forecast by Region by [\$Millions] - 2016-2021
Figure 154 - Scenario II - Low Altitude UAVs for First Responders Procurement Behavior by Region by [%] - 2016-2021
Figure 155 - Scenario II - Low Altitude UAVs for First Responders O&M Market Forecast by Region by [\$Millions] - 2016-2021
Figure 156 - Scenario II - Low Altitude UAVs for First Responders O&M Market Behavior by Region by [%] - 2016-2021
Figure 157 - Scenario II - Medium Altitude UAVs for First Responders Market Forecast by Region by [\$Millions] - 2016-2021
Figure 158 - Scenario II - Medium Altitude UAVs for First Responders Market Behavior by Region by [%] - 2016-2021
Figure 159 - Scenario II - Medium Altitude UAVs for First Responders Procurement Forecast by Region by [\$Millions] - 2016-2021
Figure 160 - Scenario II - Medium Altitude UAVs for First Responders Procurement Behavior by Region by [%] - 2016-2021
Figure 161 - Scenario II - Medium Altitude UAVs for First Responders O&M Market Forecast by Region by [\$Millions] - 2016-2021
Figure 162 - Scenario II - Medium Altitude UAVs for First Responders O&M Market Behavior by Region by [%] - 2016-2021
Figure 163 - Scenario II - High Altitude UAVs for First Responders Market Forecast by Region by [\$Millions] - 2016-2021
Figure 164 - Scenario II - High Altitude UAVs for First Responders Market Behavior by Region by [%] - 2016-2021
Figure 165 - Scenario II - High Altitude UAVs for First Responders Procurement Forecast by Region by [\$Millions] - 2016-2021
Figure 166 - Scenario II - High Altitude UAVs for First Responders Procurement Behavior by Region by [%] - 2016-2021
Figure 167 - Scenario II - High Altitude UAVs for First Responders O&M Market Forecast by Region by [\$Millions] - 2016-2021
Figure 168 - Scenario II - High Altitude UAVs for First Responders O&M Market Behavior by Region by [%] - 2016-2021
Figure 169 - Scenario I UAVs for First Responders - Global Procurement Forecast by Technology by [\$Millions] - 2016-2021
Figure 170 - Scenario I UAVs for First Responders - Global Procurement Behavior by Technology by [%] - 2016-2021
Figure 204 - East Asia & Oceania - UAVs for First Responders - Scenario I vs. Scenario II Market Forecast Comparison by [Millions] - 2016-2021
Figure 205 - Model Radio Controlled Helicopter for Police

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/2769106/](http://www.researchandmarkets.com/reports/2769106/)
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:** Unmanned Aerial Vehicles for First Responders: Global Market & Technology Forecast, Buying Guide and Operating Concept – 2016-2021
- **Web Address:** http://www.researchandmarkets.com/reports/2769106/
- **Office Code:** SCBRWXAA

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) - 1 - 5 Users</td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>USD 6950</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