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Commercial Unmanned Aerial Systems (UAS): Market Shares, Strategies, and Forecasts, Worldwide, 2012 to 2018

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Abstracts

WinterGreen Research announces that it has published a new study Commercial Unmanned Aerial Systems (UAS): Market Shares, Strategy, and Forecasts, Worldwide, 2012 to 2018. The 2012 study has 794 pages, 288 tables and figures. Worldwide markets are poised to achieve significant growth as the commercial unmanned aerial systems provide a way to automate surveillance of wide areas and implement strategic mapping and first responder support.

Small unit surveillance, urban monitoring, force protection, and aerial mapping are core uses for commercial unmanned aerial systems. Commercial UAS are designed to offer interchangeable payloads: Meteorological, air samplings, IR monitoring and emergency are the most common uses for helicopter UAS. Harbor & border control, area & event security, search & rescue, out-reach Surveillance, and damage assessment are applications for the technology.

Monitoring the security of vast pipelines or patrolling borders are applications. The intuitive and accessible technology of the various commercial unmanned aerial systems (UAS) makes them a choice for civil users.

Drones have made their mark as military air force units for air strikes, but they promise to be aircraft with multiple commercial uses. They are used by governments. Human rights activists, environmental groups and journalists are using drones in their work. Drones can fly above news events to capture images that reporters may not be able to get close to on the ground.

As with all military technology, the UAS is evolving commercial uses. While much of the

spending on the high tech units is still military spending, there are smaller more affordable units that are evolving a market presence in commercial UAS.

Commercial Unmanned Aerial Vehicles (UAVs) are remotely piloted or self-piloted aircraft that can carry cameras, sensors, communications equipment or other payloads. UAVs are smaller than manned aircraft. They are cost-effectively stored and transported. UAVs make significant contributions to the fighting capability of operational war forces.

Drones are technically known as unmanned aerial vehicles, or UAVs. These aircraft, however, are used for air strikes, they are used by governments. Human rights activists, environmental groups and journalists are using drones in their work. Drones can fly above news events to capture images that reporters may not be able to get close to on the ground.

UAS drone is used in the deserts of Yemen or the mountains of Afghanistan. There are 64 drone bases in the US. That includes 12 locations housing Predator and Reaper unmanned aerial vehicles. Drones can be armed. bases are used as remote cockpits to control the robotic aircraft overseas, for drone pilot training. Others serve as analysis depots.

Growth in unmanned combat aerial vehicles (UCAV) has coincided with an increase in endurance limit and an increase in mission capabilities of UAVs. In general, there has been an increase in awareness and mission capabilities of UAVs creating an equation for growth. UAVs can perform missions without risking human life.

High altitude long endurance (HALE) UAV provides a cost effective and persistent capability to collect and disseminate high quality data across wide areas. Solar powered UAVs have a demonstrated endurance of more than 300 hours

According to Susan Eustis, lead author of the WinterGreen Research team that prepared the commercial unmanned aircraft market research study, 'Commercial unmanned aircraft are small, light, speedy devices able to field many different payloads for mapping, surveillance, and delivery. Commercial unmanned aircraft promise to proliferate, paving the way for a new world order based on innovation. The commercial unmanned aircraft are perhaps the most innovative, most interesting technology emerging.'

Unmanned aircraft systems promise to achieve a more significant aspect of commercial

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presence. Markets at $363.7 million are anticipated to reach $2.8 billion by 2018. Growth will come as the lighter and less expensive devices are performing commercial tasks remotely, with less cost and more versatility than is available in any other manner.

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