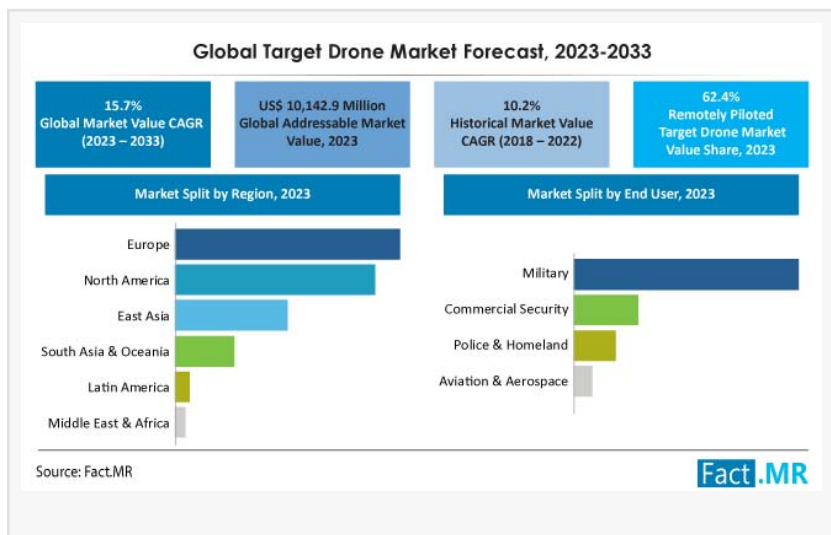


Target Drone Market Is Likely To Reach a Valuation of US\$ 43,600.8 Million By 2033

The ongoing potential for war continually drives the need to bolster the defense sector, consequently fueling the expansion of the target drone market.

ROCKVILLE, MD, UNITED STATES, October 4, 2023 /EINPresswire.com/ -- After a decade of intensive research and development, China is now displaying growing confidence in the production and utilization of drones for military purposes. Additionally, China has initiated the deployment of nuclear-armed submarines and advanced combat carriers such as the J-20 stealth fighter, albeit in limited quantities.



The [target drone industry size](#) is poised for significant growth, with an expected valuation of approximately US\$ 10,142.9 Million in 2023, and it is projected to soar to an impressive US\$ 43,600.8 Million by 2033. This substantial expansion is anticipated to be driven by a robust compound annual growth rate (CAGR) of approximately 15.7% from 2023 to 2033.

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In 2023, the overall global drone market is estimated to be worth approximately US\$ 33.9 billion, and it is expected to experience substantial growth with a CAGR of around 17.6%. Notably, the target drone sector accounts for a significant portion of this market, holding a substantial 30% penetration rate within the global drone market.

Furthermore, it's worth noting that the global military drone market reached a valuation of US\$ 23,052.0 million by the conclusion of 2022.

Evolution and Significance of Target Drones in Military Testing and Training

Target drones play a crucial role in military system testing, combat training, and decoy demolition tests designed to replicate real threats. These drones serve as a cost-effective alternative to traditional military equipment and vehicles, benefiting armed forces worldwide.

In the early stages of drone development, radio-controlled "air targets," introduced for the first time, laid the foundation for a wide range of defense applications. These remotely operated target aircraft were instrumental in honing skills related to target acquisition, identification, precision aiming, deception, and combat training. This innovation emerged during the 1920s and 1930s when target drones were used to simulate battleship gun targets.

Since those early days, technology has ushered in revolutionary changes in the defense industry. Cutting-edge advancements include fully autonomous systems and hypersonic target drones that are extremely challenging to track and lock onto, marking the latest milestones in target drone technology.

- Short Term (2023 Q1 to 2026): The target drone market is set to experience a positive upswing, driven by its increasing utilization within the military sector and defense companies.
- Medium Term (2026- 2029): Heightened national security concerns across various countries will serve as a catalyst, pushing these nations to adopt target drones for their defense strategies.
- Long Term (2029- 2033): Looking further ahead, advancements in marine and land-based technologies are poised to spawn specialized sectors within the target drone industry, promising substantial revenue growth over the long run.

Between 2018 and 2022, the global target drone market recorded a commendable CAGR of 10.2%. According to insights from Fact.MR, a leading market research and competitive intelligence provider, the market is projected to maintain robust growth at a CAGR of 15.7% from 2023 to 2033.

Key Companies Profiled:

- AeroTargets International LLC.
- Airbus
- China's military UAV
- Denel Dynamics
- Embention
- Griffon Aerospace
- Kadet Defence Systems
- Kratos Defense & Security Solutions, Inc.
- L3Harris Technologies, Inc
- Leonardo S.p.A.
- MSP
- Northrop Grumman
- QinetiQ

Advancing Market Growth Through Technologically Superior Target Drones: An Introduction

The global demand for target UAVs, serving air, ground, and naval forces, is on the rise due to the need for effectively targeting autonomously moving objects in military training exercises. Additionally, increased military expenditures in several nations are fueling the adoption of target drone technologies.

Furthermore, the military is increasingly seeking high-speed unmanned aerial targets for naval and aerial combat training, propelling the growth of the target drone market.

Supersonic target drones have become crucial in military exercises involving countermeasures or supersonic missile destruction, driven by the expanding fleet of supersonic missiles employed by various armed forces worldwide.

In response to the expanding market demands, certain vendors are focusing on the development and launch of supersonic target drones. In May 2019, QinetiQ made a groundbreaking move by introducing the first of its kind UAV supersonic target, capable of being mounted on its high-speed target drone, Banshee, and launched while in flight.

Escalating Territorial Disputes and Global Conflict Trends

In recent times, the world has witnessed a concerning surge in territorial disputes, leading to a proliferation of wars and conflicts in various regions across the globe. One striking example of this turmoil is the political unrest that gripped Afghanistan in August 2021, thrusting the nation into a prolonged state of instability.

This growing trend in violent conflicts and the perpetration of terrorist acts within countries raises apprehensions about their potential spillover effects onto neighboring nations. Presently, multiple nations find themselves embroiled in ongoing wars and minor conflicts, further exacerbating global tensions.

The worldwide acquisition of arms and ammunition has intensified as countries endeavor to secure their borders and curtail anti-national activities. Additionally, a surge in personal firearm ownership for self-defense has been observed, largely attributed to unfortunate incidents that unfolded in countries such as France and the United States last year.

The recent conflict between Russia and Ukraine in 2022 demonstrated the effectiveness of drone attacks in surpassing traditional military hardware. This revelation has prompted military forces worldwide to invest in drone attack defense and drone-destruction training. As these factors continue to unfold in the foreseeable future, they are expected to propel the expansion of the global target drone market.

The Importance of Expertise in Operating Target Drones

Operating target drones, which lack a pilot on board, comes with significant responsibilities as errors in control can lead to grave consequences. Proficiency in managing these drones is essential, given their heavy reliance on autopilot systems, advanced computer technology, and radio communication compared to traditional target aircraft.

In a real wartime scenario, target drones must exhibit exceptional maneuverability, necessitating the expertise of skilled remote operators. Historically, drone clashes and accidents have occurred due to inadequate operator control. Ongoing efforts aim to mitigate such incidents by enhancing the autonomy of target drones and limiting human-operator involvement. Additionally, a range of training programs has been established to ensure that operators are well-trained, thereby reducing the likelihood of drone accidents.

Analysis by Country

Over time, the evolving needs of law enforcement have necessitated their adaptation to a diverse range of real-world scenarios. Drones have emerged as a pivotal and cutting-edge resource available to police forces. Just a few years ago, when drones were first introduced, law enforcement leadership had yet to grasp the full extent of their added value in police operations.

Drones have proven to be indispensable tools for law enforcement agencies tasked with ensuring the security and surveillance of large-scale events such as public gatherings, sporting events, demonstrations, parades, and incidents of civil unrest.

They serve as a vigilant set of eyes in the sky for police personnel on the ground, affording them a significantly broader aerial perspective. These factors are poised to propel the growth of the U.S. drone market, with the target drone segment projected to achieve a robust CAGR of 12.9% throughout the forecast period.

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Market Competition Environment

Since World War II, many nations have extensively utilized target drone technology and related equipment. Target drones are now seeing increased use in both defense and homeland security sectors.

These drones play a vital role in countering cross-border terrorism, facilitating military personnel training, monitoring smuggling operations, and enhancing maritime security. These advancements encompass improvements in target design, platform capabilities, payload

options, speed, and operational modes.

Manufacturers should consider refocusing their efforts on designing target drones to tap into significant growth opportunities.

- For instance, in January 2022, the US Navy awarded Kratos Defense & Security Solutions Inc. a contract worth \$50.9 million to procure 65 units of the BQM-177A subsonic air target.

In a recently published report, Fact.MR offers comprehensive information on the pricing strategies of key target drone manufacturers across various regions, along with insights into sales growth, production capacity, and potential technological advancements.

Check out more related studies published by Fact.MR Research:

[U.S. Drone Market Outlook](#): The U.S. drone market is projected to expand rapidly at 22.2% CAGR to reach a market valuation of US\$ 82.9 billion by 2032, up from US\$ 11.1 billion in 2022.

[Fixed Wing Drone Market](#): The global fixed wing drone market will generate a valuation of US\$ 7,085.1 million in 2023 and is expected to progress at a CAGR of 17.2% to reach US\$ 34,643.5 million by the end of 2033.

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