

**TECHNOLOGY-DRIVEN AGILITY IN UNMANNED  
AERIAL VEHICLE SYSTEMS**

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**HOW?**

The utilization of unmanned aerial vehicles, or UAVs, in many technologies is the subject of this study. In the review of literature, prior studies are often used to gather data for this investigation. It offers data on how technology is currently being used and suggestions for future advancements.

2. Information upon that purpose and application of unmanned aerial vehicles is provided by this research. The unmanned aerial system uses this technology to track big areas quickly while also providing controllers data. To assess the current situation, the UAV could be utilized to call photos & information from several fields (Winkelman, 2022).

3. Advanced technologies including learning algorithms, machine intelligence, and many others are needed for unmanned aerial vehicles. Since these technologies are pricey, only experts in this industry should manage them. The breakdown of the drones is frequently caused by software problems or malfunctioning. Drone-collected data must be structured and put to greater use.

**4) why?**

The drones were created using cutting-edge current technologies (Frank & Bartels, 2022). Forthcoming drone prices may rise as a result of the concept. They might also be applied to the agriculture industry to stimulate economic growth. Additionally, it will assist in determining how they might be best utilized by the armed services.

**5. ABSTRACT**

The unmanned aerial vehicles can surveil remote areas, improve the effectiveness of the military and government troops, as well as help with the delivery of essential supplies. Software used in this system must be tracked in order to increase effectiveness. They should also be cautious when using technologies.

**6. Results**

Due to the rapid advancement in advanced technology, drone manufacturers are currently producing the best drones. They have improved their efficiency by employing sensors. Drone motors have also seen tremendous progress, which is enabling them to remain in flight for an extended period of time. Additionally, improvements in the ESC made UAVs more effective. The goal of the study was to determine how UAVs and drones are being used and how problems relating to this technology might be resolved. It has been discovered hundreds of times that this technology may be quite expensive and also that drone failure may pose a big problem for these technologies. The military must employ this technology properly.

**References**

- Winkelman, Z. (2022). Using Technology to Improve the Agility of Force Generation Processes. *Adaptive Engagement for Undergoverned Spaces*, 47(6), 397.
- Frank, A. B., & Bartels, E. M. (2022). Using Technology to Improve the Agility of Force Generation Processes.