



W6: Acquisition and Technology

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Consider how drone technology has been changing and impacting acquisition. Discuss how drones are going to change (or not change) the acquisition of goods in the future.

Here are some links to some sites that discuss commercial and military drones for consideration:

Link 1: <https://www.digitaltrends.com/cool-tech/amazon-prime-air-delivery-drones-history-progress/>

Link 2: <https://money.cnn.com/2017/06/23/technology/amazon-drone-beehives/index.html>

Link 3: <https://www.bbc.com/news/world-south-asia-10713898>

Link 4: <https://www.military.com/equipment/drones>

Read about how the FAA is partnering to help promote Unmanned Aircraft Systems (UAS) into the National Airspace System (NAS).

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Week 6 Acquisition and Technology

Hakeem Lunkin posted Mar 12, 2023 4:21 PM

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Hello Class,

Drone technology looks to change the status quo in the transportation sector. Companies aspire to one day utilize drones as opposed to delivery vehicles to more frequently meet customer demand to reduce delivery speed and cost. It is now more commonplace than a decade ago to entertain the use of drones as a source of delivering goods. Circa 2012, Amazon was the only company to publicly advertise the proposal of drones for deliveries and act on it accordingly. Fast forward to 2022 and there are now more than a dozen companies seeking to take advantage of drones as a source of delivering products and reducing their emission levels that arise from the use of fuel powered vehicles.

The usage of drones in the future will be intent on maximizing sustainability of companies as well as focusing on the reduction of cost associated with making deliveries. At current, regulations forbid multiple drones from being operated by one operator but in the future, this could be revised allowing labor cost to be reduced in return.

Drones have a strong potential to accommodate supply chains with deliveries that require immediate action and reserve a labor force that finds itself strained. One of the changes drones may not be able to have an impact on is the purchase of heavy or oversized items.

<https://www.mckinsey.com/industries/aerospace-and-defense/our->

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Josh Hon posted Feb 21, 2023 6:51 PM

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Consider how drone technology has been changing and impacting acquisition. how drones will change (or not change) the purchase of goods in the future. There are so many potential benefits of using drones for delivery, including but not limited to

reducing the number of delivery vehicles and costs, faster delivery, lower pollution, and more. With that being said, many businesses are now jumping on the bandwagon, seeking to introduce their own versions of drones inside warehouses and fleet yards to help with inventory management and picking processes. With major retailers and commercial companies seeing a positive investment in UAS, it only takes time before these commercial drones are in the sky. Supply chain managers will have to keep a close eye on those companies that are early adopters of this technology to determine what benefits and issues may arise.

There are several reasons why drones will change the acquisition of goods in the future. Drones in Delivering Packages are one of the most significant applications of UAVs and are likely to become a reality in a few years. Amazon, Walmart, and other companies such as Google are testing the effectiveness of the delivery of products. They have been trying out drone deliveries for some time. Drones in Transporting Supplies for Humanitarian Work will transport medical supplies and vaccines to remote, dangerous, or inaccessible areas affected by war or contagious diseases. Other applications will include rescue missions, disaster management, healthcare, and more. This will increase the safety of the rescue workers while delivering humanitarian supplies in good time to assist people in need.

Even though commercial drones are still waiting for the approval of the Federal Aviation Administration (FAA) to be permitted to fly around delivering products or even simply taking inventory of product pallets in shipping yards, they are still streamlining the registration

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Last post **March 5 at 6:00 PM**
by Jennipher Armstead

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Jennipher Armstead posted Feb 27, 2023 5:11 PM [★ Subscribe](#)

The rapid evolution of drone technology has significant implications for the acquisition of goods in the future. According to Digital Trends (2021), Amazon's Prime Air delivery drones are currently being tested for safe and reliable use. Once the technology is perfected, the drones can provide an efficient way to deliver goods, especially in remote areas where traditional modes of transportation are limited.

In addition to delivery services, drones also have military applications. Military.com (2022) highlights the use of drones in intelligence, surveillance, and reconnaissance missions, as well as in combat operations. They offer a unique advantage in terms of speed, stealth, and mobility, allowing for real-time monitoring and situational awareness.

While the use of drones in commercial and military settings has its benefits, there are also ethical and legal considerations to take into account. The use of drones raises concerns about privacy, safety, and security. The CNN Money article (2017) reports that Amazon is exploring the use of beehive-like structures as a landing pad for drones to address some of these concerns.

Despite these challenges, the potential benefits of drones in acquisition cannot be ignored. The BBC News article (2010) highlights how drones have been used to transport medical supplies and other humanitarian aid to disaster-stricken areas. They also have the potential to reduce transportation costs and increase delivery efficiency.

Overall, the development and deployment of drone technology have significant implications for acquisition, both in the commercial and military sectors. It will be important for policymakers to carefully consider the ethical, legal, and practical implications of drones and their impact on traditional modes of transportation and supply chain management.

References:

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