

Platforms

Which one(s) is right for your organization?



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Thought
What is your vision for this resource?

What are your needs?



What people are saying

"[The drone] gives us that bird's eye view, It gives us the opportunity to see where the hot spots are. It gives us the opportunity to see where the fire has burned and where it is progressing."

Kansas Fire Marshall

"Measurements that traditionally took several hours can be reduced to about 15-20 minutes, by opening up those roadways sooner, we reduce the possibility for secondary crashes, or additional property damage or injury that can occur on the roadways."

Commander of the Illinois State Police's crime scene services command

"It gave that patient or that victim reassurance that they have been found," the first responder said of the missing persons first seeing a drone hovering overhead. "We're here. We've rolled out every asset that we have to find them."

Emergency management coordinator



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How many platforms does your organization need to save lives in your community?



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Just one! Your own.

(start somewhere with this valuable technology)



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Rotorcraft carry heavier payloads and tend to be used for limited geographical areas.



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Fixed-wing aircraft tend to be used for projects that require higher altitude or surveying large areas.



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Vertical takeoff and landing aircraft combine positive elements of both platforms.



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Platforms

Commercial off the shelf

- Cost-effective
- Easy to use
- Fast turnaround
- May not meet the unique needs of your organization
- Minimal customization

Industrial

- Capable
- Customer Oriented
- Adaptable
- Expensive



Platforms

DJI Mavic

- Cost - \$1000.00
- Flight Time - 27 minutes
- Weight - 1.64 lbs.
- Max Speed - 40 mph
- Max Service Ceiling Above Sea Level - 16404 feet



Platforms



Yuneec H520

- Flight Time - 31 minutes
- Weight - 4.17 lbs.
- Payload Weight - 1.1 lbs.



Platforms

DJI Matrice 210

- Flight Time - 24 minutes
- Weight - 13.5 lbs.
- Payload Weight - 3.46 lbs.
- Max Speed - 51 mph
- Max Service Ceiling Above Sea Level - 8184 feet



Platforms



PSI Instant Eye

- Flight Time - 30 minutes
- Weight - 1 lb.
- Payload Weight - .99 lbs.
- Max Speed - 55 mph
- Max Service Ceiling Above Sea Level - 12000 feet



Platforms

Leptron Avenger

- Cost - \$65,000.00
- Flight Time - 60 minutes
- Weight - 16 lbs.
- Payload Weight - 10 lbs.



Platforms



Penguin B

- Cost - \$150,000.00
- Flight Time - 20+ Hours
- Weight - 47.4 lbs.
- Payload Weight - 22 lbs.
- Max Speed - 80 mph



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Division of Fire
Prevention & Control

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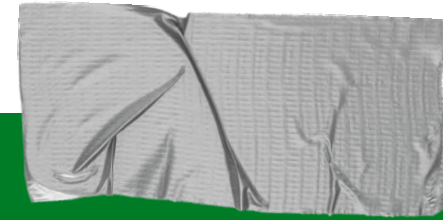
Platforms

ALTI Transition

- Cost - \$75,000.00
- Flight Time - 6+ Hours (fixed wing)
< 10 Minutes (hover)
- Weight - 33 lbs.
- Payload Weight - 2.2 lbs.
- Max Speed - 47 mph
- Max Service Ceiling Above Sea Level - 13123 feet



Platforms



Before investing in aircraft, use these criteria to evaluate your options:

Job-specific applications

- How will you be using sUAS?
- What operations will you be performing?
- What data will be collected?

Time and distance

- How far do you need your sUAS to fly and for how long?

Payload capacity

- How much weight will your sUAS need to carry?

Cost

- How much can you afford to spend on your fleet?
- Training pilots
- Maintenance



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