A Drone Is an Unmanned Aircraft System (UAS) Piloted from the Ground

**3DR Solo Quadcopter**
10" x 18"
Best for small-scale mapping and real-time situation assessment

**Hybrid VTOL Fixed-Wing**
COMING SOON
Best for longer endurance mapping/reconnaissance flights

**Benefits of Using Drones**
In 2017, DOI had 707 drone missions on 71 individual wildfires

- 24-hour air support
- Fly in low visibility
- Fewer acres burned
- Shorter duration fires
- Saving lives
- Faster response times
- Reducing risks

**In 2017, DOI had 707 drone missions on 71 individual wildfires**
Where Drones Flew Fire Missions in 2017

- Oregon: 340 flights
- Alaska: 169 flights
- California: 103 flights
- Idaho: 28 flights
- Montana: 24 flights
- Wyoming: 14 flights
- Arizona: 13 flights
- Washington: 7 flights
- New Mexico: 3 flights
- Minnesota: 3 flights
- Florida: 2 flights
- Utah: 1 flight

Drones Support Coordinated Fire Operations

- Provide high-accuracy maps of the fire area
- Find hotspots
- Detect dangers and identify escape routes
- Monitor conditions in real time
- Assess postfire damage
- FAA-approved training
- Annual certification

DOI’s Drone Fleet

- 312 aircraft flown by 200 pilots
- DOI Drone Use
  - 4,976 flights
  - 208 flights (2017)
  - 208 flights (2010)

Pilot requirements

- FAA-approved training
- Annual certification

DOI.gov/aviation