

# The Firefighting Drone

## Pictures:



## Contact Information:

Aydin Gillespie  
([aydinf21@gmail.com](mailto:aydinf21@gmail.com))

Silas Garcia-George ([siloggarcia@gmail.com](mailto:siloggarcia@gmail.com))

Jonathan Rigberg

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**Problem statement:** Wildfires have become a more common occurrence in the past years. During each event, there are many people who put their lives in danger, firefighters and firefighter pilots most of all. This doesn't have to be the way, especially now with the amount of technology around us. Instead we can use piloted drones equipped with the tools to view and fight fires, eliminating the risk of human lives. Using these firefighting drones would be the new way of preventing and fighting fires. Currently there is a terrible fire that has been sweeping over Australia which has killed 24 firefighters and over one million animals killed. These lives could have been put out of harm's way if drones were used instead.

## Statistics and Background Information:

- In 2018, there were 64 deaths to firefighters
- Firefighters face a 9 percent increase in cancer risks in comparison to the general population
- There is a massive growing demand for both commercial and consumer drones

**Importance:** Firefighters perform an inherently and obviously dangerous job, given the environment in which they work. Using people to perform this type of work is an outdated method, and new technological advances can allow us to perform it in a more safe, efficient, and humane manner.