

Tethered UAV for Wildfire Fighting

Status: Filled

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Project Description

About the project

Unmanned Aerial Vehicle (UAV) has strong potential to be deployed in the prevention, monitoring, and fighting of wildfires. They can serve multiple purposes including terrain and plant mapping, risk assessment, surveillance and prevention, search and rescue, and fire suppression from the air. A promising solution is a tethered drone tied to a ground base or vehicle, enabling it with sustained supply and operation capability. It can operate independently or in coordination with other aerial or ground vehicles and agents, offering a relatively inexpensive solution for different tasks.