

Draganfly's project in British Columbia, Canada, involved employing **advanced technology for detecting wildfires efficiently**. Leveraging **state-of-the-art UAVs equipped with thermal imaging cameras**, Draganfly aimed to provide early detection capabilities to combat wildfires before they became catastrophic. During the 2023 wildfire season, Draganfly's Service Team deployed cutting-edge technology to **detect hot spots across six locations in British Columbia**. Utilizing their expertise, **they identified over 1000 hot spots, aiding in the timely extinguishing of fires and mitigating risks to nearby towns and infrastructure**.

Equipped with advanced UAVs and thermal imaging cameras, Draganfly's team conducted **aerial reconnaissance missions over affected areas**, covering vast terrains efficiently. These UAVs, designed for professional wildfire monitoring, became powerful tools for early fire detection and aftermath monitoring. The thermal cameras captured detailed thermal images, **allowing precise temperature measurements crucial for identifying hot spots**. Additionally, they combined **zoom and RGB cameras for context and navigation, while the Laser Range Finder (LRF) assisted in distance estimation, critical for assessing fire proximity**.

The team **strategically planned flights based on weather conditions and fire behavior patterns**. During each mission, they surveyed the landscape, scanning for signs of heat anomalies indicative of hot spots, even in challenging environmental conditions. Upon detection of a hot spot, Draganfly's team **immediately relayed the information to ground crews and firefighting units, enabling swift mobilization of resources and deployment of suppression tactics to contain fires before they spread further**.

### Impact and Results

Draganfly's proactive approach led to the identification and addressing of over **1000 hot spots during the 2023 wildfire season in British Columbia**. By preventing the escalation of fires, they saved an **estimated \$2 million in firefighting resources**. Moreover, their efforts helped mitigate risks to critical infrastructure and safeguard the livelihoods of residents in affected areas.

