



Helping Utilities Win the Wildfire Battle

Early Detection

The FIREBird system is designed to detect and report fires quickly preventing them from spreading into wildfires that become out of control. Each FIREBird unit combines heat- and optical-sensors which, when used in combination, can detect fires moments after ignition when the fires are very small. When FIREBird units are placed along power lines at approximately ½-mile intervals, they provide continuous fire detection within the circumference of a mile.

Early Notification

Once a fire is detected, automatic notification to a designated person or persons contains the following: the location of the fire, live photos of the fire, and at-site weather conditions.

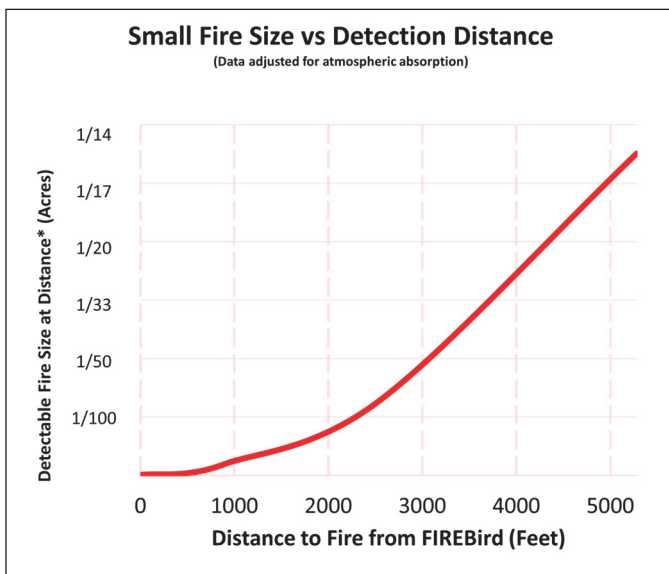
How FIREBird Protects Utilities and the Public

- Detects very small fires within power line easements and larger fires out to 10 miles
- Provides quick identification of a fire's point of ignition
- Sends notification automatically when fires are detected, eliminating the time for human detection and interpretation
- Provides continuous 360° horizontal and 200° vertical monitoring, which includes the base of the structure on which it is installed
- Works equally well at night and in foggy conditions when human detection is less likely
- Captures evidentiary images of fires
- Provides right-of-way photographic tools to help speed PSPS recovery
- Simplifies deployment with built-in communications and cloud-based software



FIREBird Rapid Wildfire Detection System - Don't Wait for the 911 call

FIREBird Checks All the Boxes for Utilities	FIREBird
Detects nearby fires	✓
Detects Heat (Fire)	✓
Detects Smoke	✓
Reports fires within 2-minutes*	✓
Operates identically day or night	✓
Measures local weather conditions (temperature, wind speed and direction, humidity and barometric pressure)	✓
Photographs the surrounding area	✓
Maintains accurate readings in windy conditions	✓
Maintains the ability to identify a fire even in cloudy or foggy conditions	✓
Works autonomously	✓
Requires NO human monitoring	✓
Monitors continuously without blind spots (no scanning)	✓
Uses AI technology	✓
Uses solar or AC power	✓
Communicates over integrated cellular radio	✓
*Typical detection	



Easily Detects Fires Within Utility Easements		
Voltage Level	Typical Easement Width	Fire Size
12 kV	10-20 feet	< 1/1000 Acre
66 kV	50-75 feet	
115 kV	100 feet	
230 kV	150 feet	
500 kV	200 feet	

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