



FIRE NEURAL NETWORK



Finding Fires *Lightning* Fast

ABOUT FNN



HRL™ detectors: arrays of 6 High-Risk Lightning™ proprietary detectors coupled with environmental data from satellites and Artificial Intelligence to recognize HRL™ strikes within 40 seconds.

FireBird™ drone: Flies to the location detected to provide aerial views and additional data in real-time to the FNN team.

HRL™ mapping: The Geographic Information System (GIS) will map out the data received. Through Actionable Intelligence, the AI will determine the severity of the lightning strike and whether fire services need to be sent out.



There are currently 36 FNN detectors deployed worldwide, in Florida, California, Australia and Brazil.

WHY CHOOSE US?

As an environmentally conscious and innovative company, Fire Neural Network (FNN) is dedicated to changing the way we combat uncontrolled wildfires. With the use of AI technology, our Firebird™ drone, GIS mapping services and other sciences, FNN can accurately pinpoint and map out High Risk Lightning™ strikes and fire ignitions using our advanced HRL™ detectors within 40 seconds and a 40 meter accuracy, a fraction of time, compared to the typical detection time of 24 hours.



OUR STORY

THROUGH EXTENSIVE RESEARCH ON THE SUBJECT OF WILDFIRES, THE FOUNDERS NOTICED THAT **LIGHTNING IS THE #1 CAUSE OF WILDFIRES IN TERMS OF AREA BURNED, CAUSING DETRIMENTAL HARM TO THE ENVIRONMENT AND WILDLIFE.**



OUR VISION

"WE ACCURATELY DETECT HIGH-RISK LIGHTNING STRIKES WITHIN **40 SECONDS** USING ARTIFICIAL INTELLIGENCE, LIGHTNING SCIENCE, AND ASTROPHYSICS."



CONTACT US



<https://www.fireneuralnetwork.com>



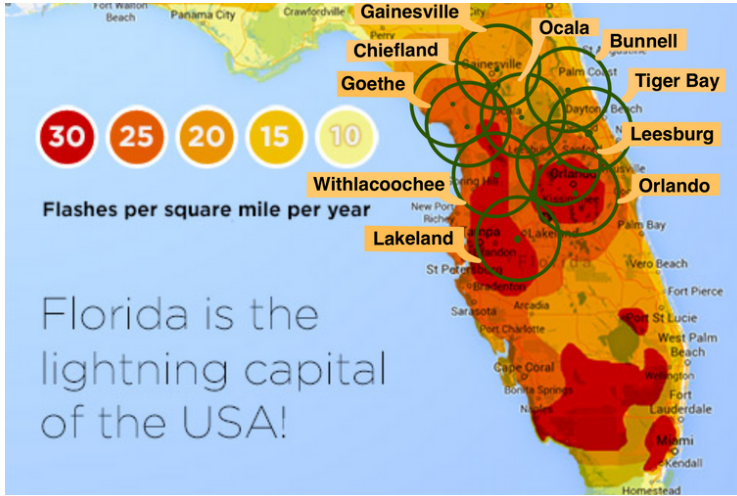
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FNN'S PILOT PROGRAMS



USER TESTIMONIAL

“Lightning ignition was responsible for around 90% of the area burned in the 2019-2020 Black Summer fires. We partnered with FNN, as we need a lightning detection system that is able to better predict which lightning strikes cause fire.”

DR. MARTA YEBRA
Director Australian ANU Bushfire Initiative

ABOUT FNN'S PILOT PROGRAMS

Fire Neural Network was founded in Gainesville, FL, however, our detectors are placed throughout Florida and other parts of the globe through FNN's pilot programs. The detectors in the Californian and Australian pilot programs were installed in 2023. Currently there are 12 detectors in California and 6 detectors in Australia. A *minimum* of 6 detectors are needed per region, to increase the efficacy of detection according to the region's unique lightning characteristics. Each detector has an average of 30km radius of coverage, and is solar powered, making the detectors both practical and productive.

ADDITIONAL INFORMATION

Fire Neural Network has also activated the *ALERTWildfire Camera Network* in Australia. By sending pinpoint accurate locations of HRL™ strikes, it increases the efficiency of wildfire cameras to pick up the visual footage of detected lightning strikes and their outcome. FNN's sensory network has also integrated well with the *watchtower* platform (a data-driven digital command center for first responders). The collaboration process has been seamless; from event creation, accurate geo-location, to the automatic triangulation of multiple camera sites onto the event's area, and auto-record/tagging.



TRUSTED BY



CAL FIRE

The largest fire department in California, the third largest in the United States. Dedicated to fire preventing over 31 million acres of land.



FLORIDA FOREST SERVICE

The largest division of the Florida Department of Agriculture and Consumer Services. Dedicated to wildland firefighting primarily in North and Central Florida.



NSW FIRE SERVICE

The largest volunteer firefighting organization in the world with over 70,000 volunteers and 2,000 brigades. Lead firefighting agency for bush fires in New South Wales, Australia.



TECHNOSYLVA

A leading wildfire science and technology company that utilizes an AI predictive modeling software called *fiResponse™* specializing in risk analysis and simulation modeling.