

Early fire detection and decision support system

act before it´s too LATE



3EE 2 FIRE
DETECTION



Wildland fires – A Worldwide Problem

Every year wildland fires are responsible for the loss of human lives, environment and economic damage. The mitigation of this problem depends of different players, from governmental agencies, private companies and individuals.

- Forest management
- Risk assessment
- Early detection
- Decision support tools
- Field infrastructure
- Personal trained and equipped

3EE 2 FIRE
DETECTION

Early fire detection and decision support system.
Act before it's too **LATE**

Critical to contain damage and avoid total devastation

Protect your forest
Protect your business
Save the environment





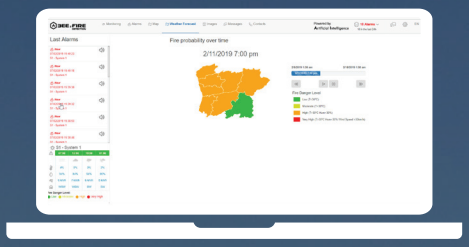
Surveillance and Early Fire Detection
Automatic Detection | 24×7 Operational | Trustworthy

Multisensor Technology
Optical | Thermal | Spectrometric

Inputs from various sources
Weather Stations | Webdata Services | Sensors

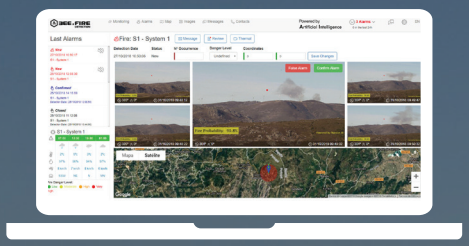
Decision Support System
Fire Hazard Forecast | Fire Propagation | Surveillance

Artificial Intelligence is the Future



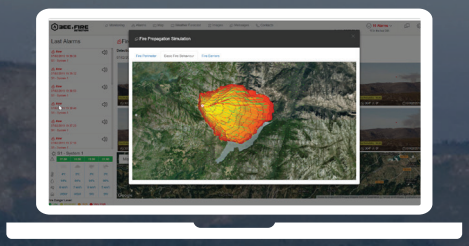
Forecasts

Determines the probability level of occurrence of wildfires (fire danger level risk index).



Detects

Almost real time fire detection using Visual Recognition AI on captured images from surveillance cameras and other data sources.



Predicts

Estimates the fire propagation over the terrain (perimeter, behavior) and recommends where to act first.





Unique & Innovative Proposition







Available "As a Service"
Capable of integrating existing cameras and consequently reducing costs and time of deployment.

Fast and accurate detection
Fastest and accurate detection in the market via AI visual recognition, lowering the dependency of human subjectivity, visual acuity and fatigue.

Constantly evolving
Self-learning capabilities with AI, constantly improving its accuracy as the number of "fire/non-fire" situations occur.



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Use Cases



Natural Parks

Wild Forests and Natural Parks

Centralized surveillance, fire detection and operations support from Control Center.

Fire risk and public security measures.

Preventing and monitoring of wildfires.



Forest Plantations

Eucalyptus Plantation for Paper Industry

Replacement of traditional human assisted 40 meters watch towers.

Centralized surveillance, fire detection and operations support from Control Center.

Images collection to support plantation development.



Mining Areas

Forest Fire Surveillance at Open Pit Mine

Centralized surveillance, fire detection and operations support from Control Center.

Oversight control of surrounding mine area for inside and outside fire hazards.

Mobile stations for easy relocation as mining area evolves.



Industrial Facilities

Industrial Wood Log Storage at Paper Industry Facility

Centralized surveillance, fire detection and operations support from Control Center.

Oversight control of surrounding industrial area for inside and outside fire hazards.

Area access surveillance with same thermographic cameras used for fire detection.

BEE 2 FIRE DETECTION

Schedule a demonstration

and be amazed!



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