

# N5SHIELD™ - Wildfire Detection System

## Powered by



- Fast detection of wildfires (minutes).
- Patented SPH™ sensors combined with AI enable accurate detection.
- Intuitive dashboard and push notifications provide real-time, actionable insights.
- Multiple communication options work in all locations
- Solar rechargeable battery operates up to 7 days without sunlight.
- Low maintenance, and easy to install and use.
- Advanced software features enable air quality monitoring and detection of unexpected chemical events.

## Use Cases – Wildfire Detection, Air Quality, Protection of Infrastructure, Chemical Security – All Enabled Via AI



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## N5SHIELD™ - Fire Detection Nodes



### Ruggedized, All Weather Construction

Survive wind, snow, rain, hail, etc.

### Seamless Cloud-Connectivity

Data Uploads to Secure Cloud Every Minute

### Software Managed Communication

LTE (Multicarrier/Worldwide)/Lora, Satellite

### Solar Powered

Power-Efficient System Allows 24/7 Operation

### Multimodal Sensor Fusion Engine

1. Fire Gas and Chemical Measurement Module
2. Smoke and Particulate Measurement Module
3. IR Heat Mapping Sensor

## N5's Cloud Fire Detection Engine

