An aerial photograph of a lush green park with various trees, a winding path, and a large, semi-transparent green circle overlaid in the center. The text is centered over the circle.

**Early-stage risk detection
before visible escalation**

gaiaGuard

Ground-level early-stage risk detection before visible escalation

gaiaGuard uses multi-parameter sensing and AI-powered anomaly detection analytics to identify elevated risk indicators and support faster operational response across critical environments.

WHAT IS **gaiaGuard**

A new layer of early-stage awareness

gaiaGuard adds an operational early-warning layer to environments where delayed detection can lead to significant risk.

Instead of relying only on visible confirmation (e.g. smoke or flame), the system detects early-stage environmental anomalies and translates them into multi-level risk states to help teams to prioritize attention and action.

This allows teams to:

- identify potential issues earlier
- prioritize attention
- respond more effectively

Powered by **ForestGuard**

Internationally recognized wildfire early-risk detection technology (TechCrunch Disrupt Startup Battlefield Top 20 finalist; James Dyson Award 2023 National Winner & Global shortlist; What Design Can Do Challenge Winner), plus additional disaster-tech awards.

HOW IT WORKS

From signals to decisions

Structure:

Sensing

Distributed nodes monitor environmental conditions

Analysis

Anomaly detection identifies meaningful patterns

Risk scoring

Signals are translated into a tiered risk indicator

Action

Alerts support prioritization and operational response

KEY BENEFITS

Built for operational environments

Early awareness

Detects risk indicators before visible confirmation. (results vary by environment)
Detects risk conditions before visible escalation in documented scenarios

Faster response

Supports earlier intervention and better decision-making

Reduced alert fatigue

Tiered risk levels filter signals and focus attention.

Coverage beyond visibility

Adds ground-level monitoring where cameras/satellite are limited.

Flexible deployment

Fast installation and off-grid capability

Get Ready in 3 Steps

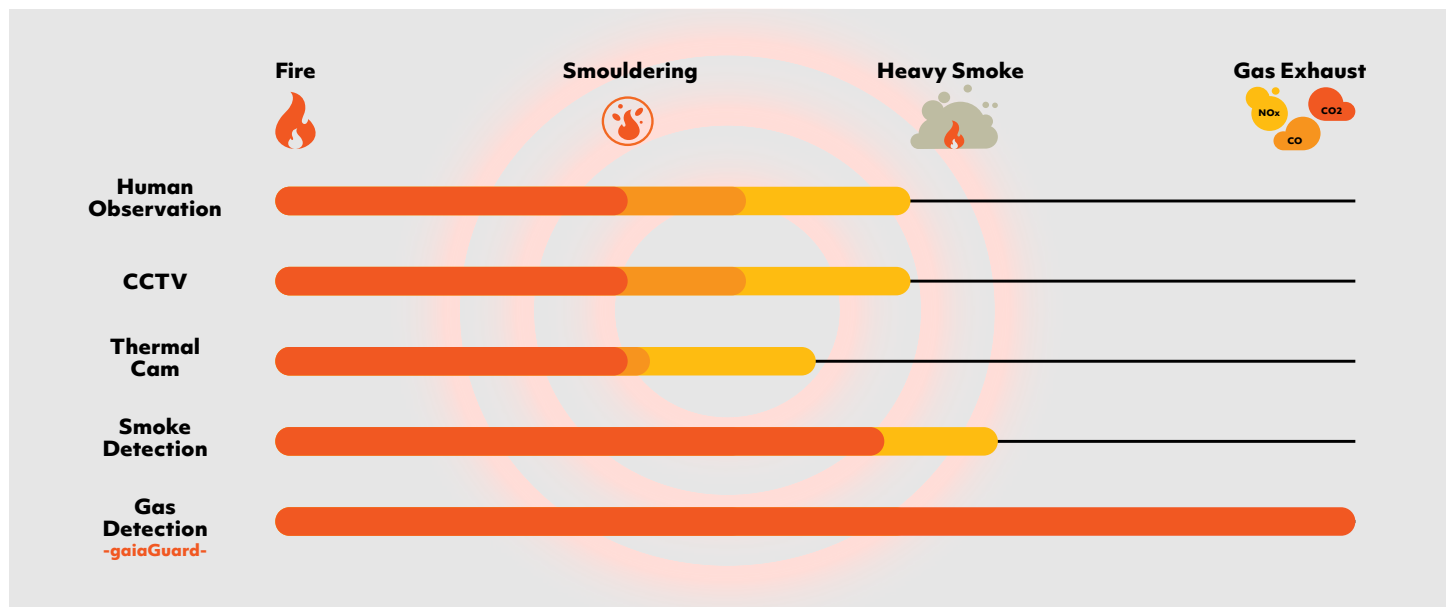
1. Site mapping
2. Install nodes
3. Monitor Dashboard Online

WHY NOT ONLY CAMERAS / SATELLITES

Complement existing monitoring systems

Traditional monitoring tools rely on visibility and coverage.
gaiaGuard adds a ground-level sensing layer that:

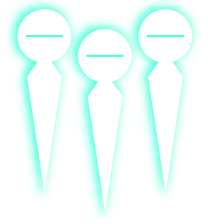
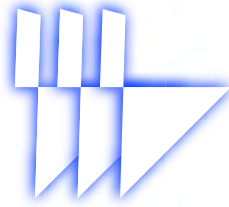
- surfaces early-stage risk indicators ahead of visible confirmation in some cases
- provides localized, ground-level awareness
- complements cameras/satellite tools rather than replacing them



DEPLOYMENT

Designed for real-world conditions

- Fast installation (typical deployment per node is quick and scalable)
- Off-grid capable configurations *depending on setup
- Adaptable to different environments
- Alerts can be routed into existing operational workflows (integrations on request)



USE CASES

Applicable across multiple sectors

Energy & Infrastructure

Protect critical assets and long-distance networks where monitoring coverage is limited. Useful for remote corridors, substations, and perimeter zones.



Industrial Facilities

Identify early-stage anomalies in high-risk operational zones. Applicable to yards, storage areas, and high-risk operational zones (indoor or outdoor).



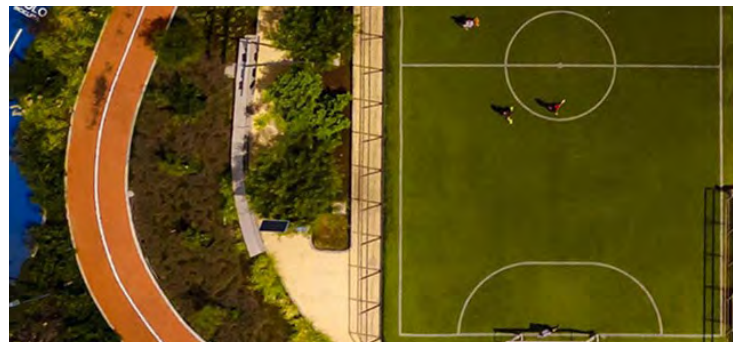
Hospitality & Tourism

Enhance safety and readiness in environments close to nature. Supports readiness in wildland-urban interface environments.



Public Sector

Support early warning and prioritization in high-risk areas. Supports prioritization across large areas and faster dispatch decisions."



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