



# SENHIVE

We provide sensing and communication for when it matters the most.



# The team

World First autonomous Antarctic research station





# SEN EYE

## Autonomous Wildfire Alerting Service:



### On any IP Camera

Sen-Eye augments **any type of IP camera** with an AI capable of detecting emerging wildfires by scanning the camera's images for smoke plumes.



### Notifications on any device

Sen-Eye allows for both notifications on wildfire risk as well as wildfire detection. Set-up your preferred notification method and receive alerts **on any device**.



### Installation anywhere

Sen-Eye can be **installed anywhere**, no power nor connectivity required. It does so by using solar panels and satellite communications.



# AI-analyzed images



## Smoke detection

Sen-Eye augments any type of IP camera with an AI capable of detecting emerging wildfires by scanning the camera's images for **smoke plumes**.



## Smoke classification

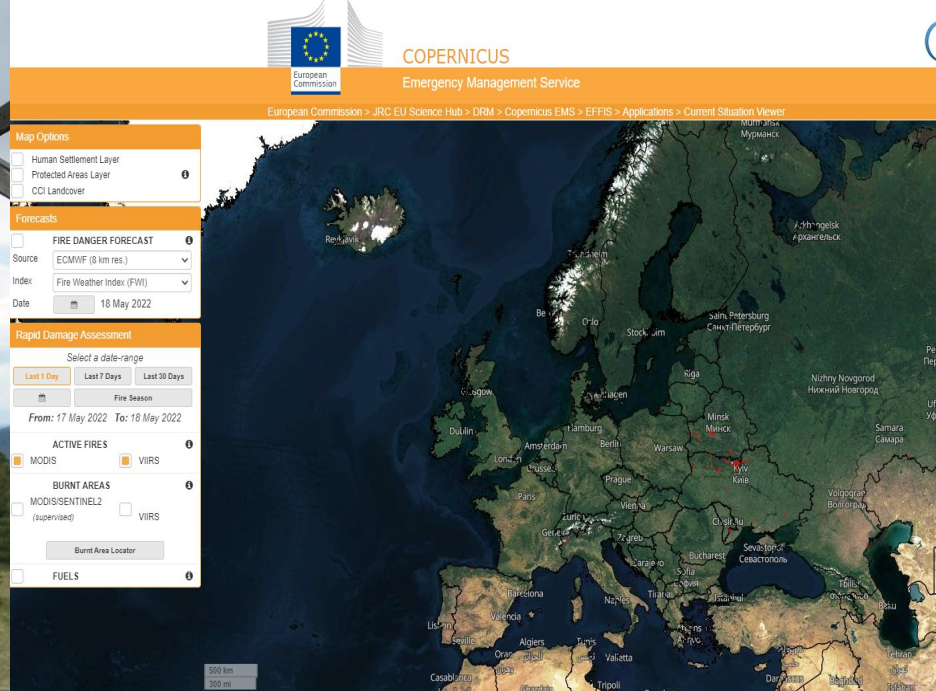
The Sen-Eye AI is trained specifically on recognizing **wildfire smoke**. This was achieved by using 10000's of various images and having the AI label them as a wildfire or false alert.



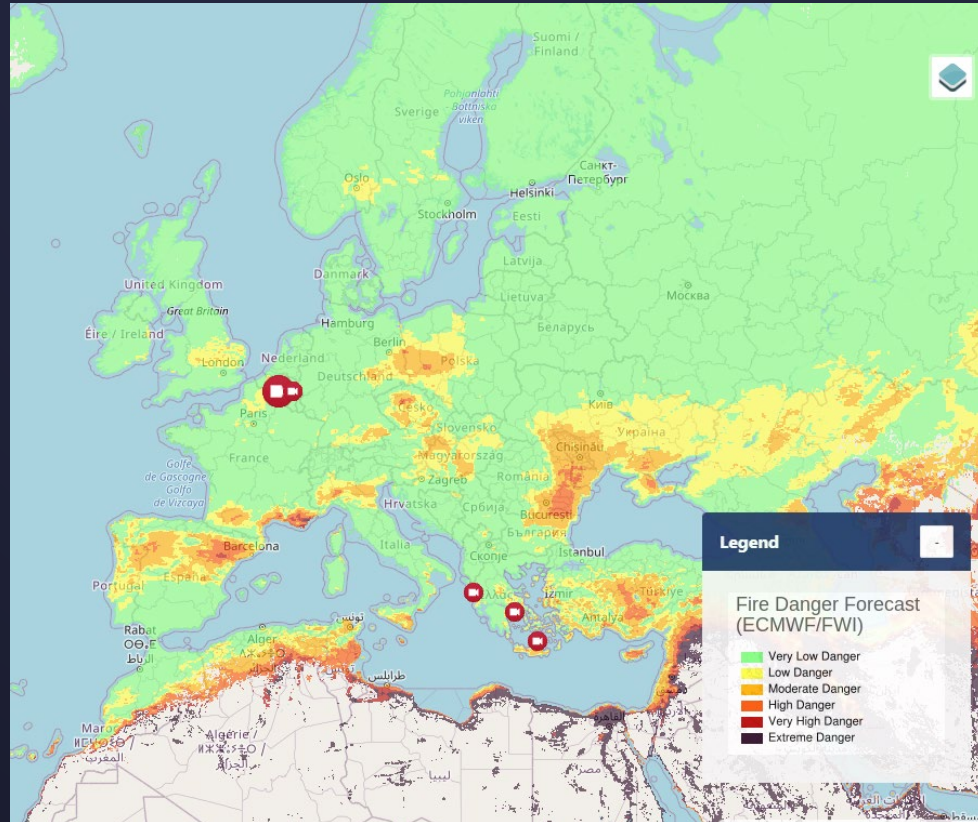
## Generate alert

Once the Sen-Eye AI has established that the detected smoke is an emerging wildfire, it will **generate an alert** to the requested channel, as specified by the user's preferences.

## Why cameras?



# Satellite fused data (EFFIS)



# Power/connectivity modules

## SEN-EYE Cloud/Pro

- Brand agnostic
- Optimized for Axis
- "Wake-up" on-demand
- AI based smoke detection



## SEN-HUB / Solar gateway

- 30W Camera POE injector
- 4G Modem - Dual Sim
- 4 Port Switch
- 32GB local storage
- Edge Compute: quad core ARM Cortex-A72
- IP67 Housing
- 12V power Supply
- 230V Relay



## TrinaSolar VERTEX S TSM-DE09.08 - 400WP

- Vermogen: 400wp
- 15 jaar productgarantie
- 25 jaar vermogensgarantie
- Afmetingen: 1754mm x 1096mm x 30mm
- Gewicht 21kg



## SmartSolar MPPT 100/20

- Zonnelader met ingebouwde bluetooth
- Intelligente belastingsuitgangsfunctie



## AGM accu 12V, 200Ah

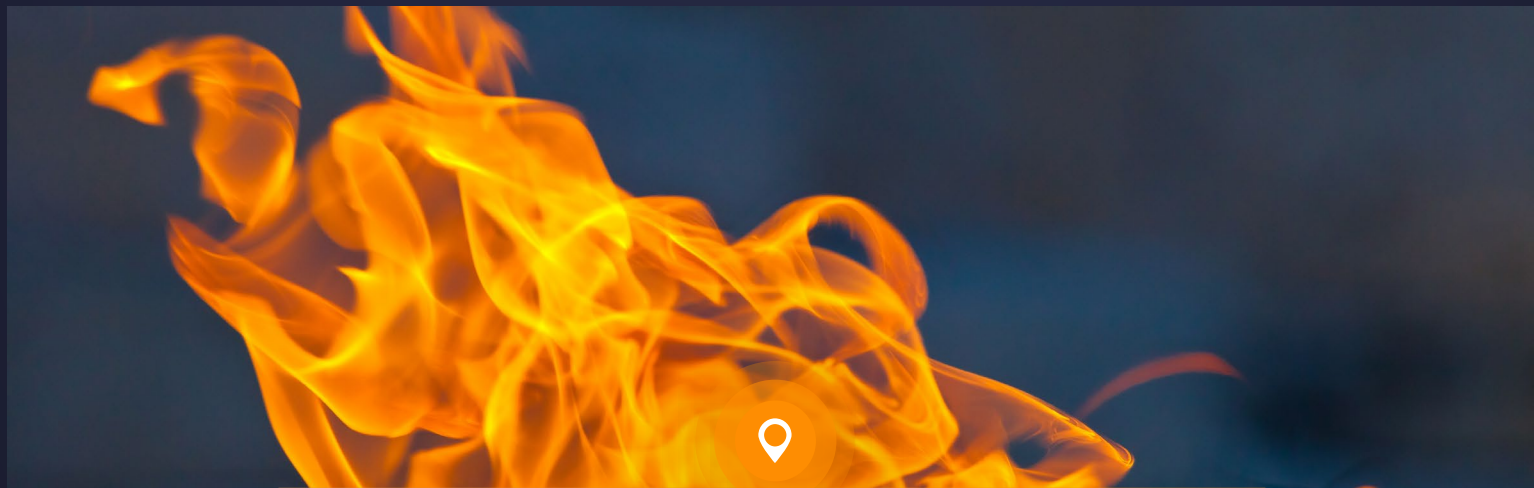
- Absorbent Glass Mat
- Lage zelfontlading
- bxdxh: 546 x 125 x 323 mm
- 60 kg



# Dashboard

<https://seneye.io>

- Free account
- Unlimited users
- No additional charges for notifications
- Link cameras for free
- 5 images analyzed for free



## Contact us



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