





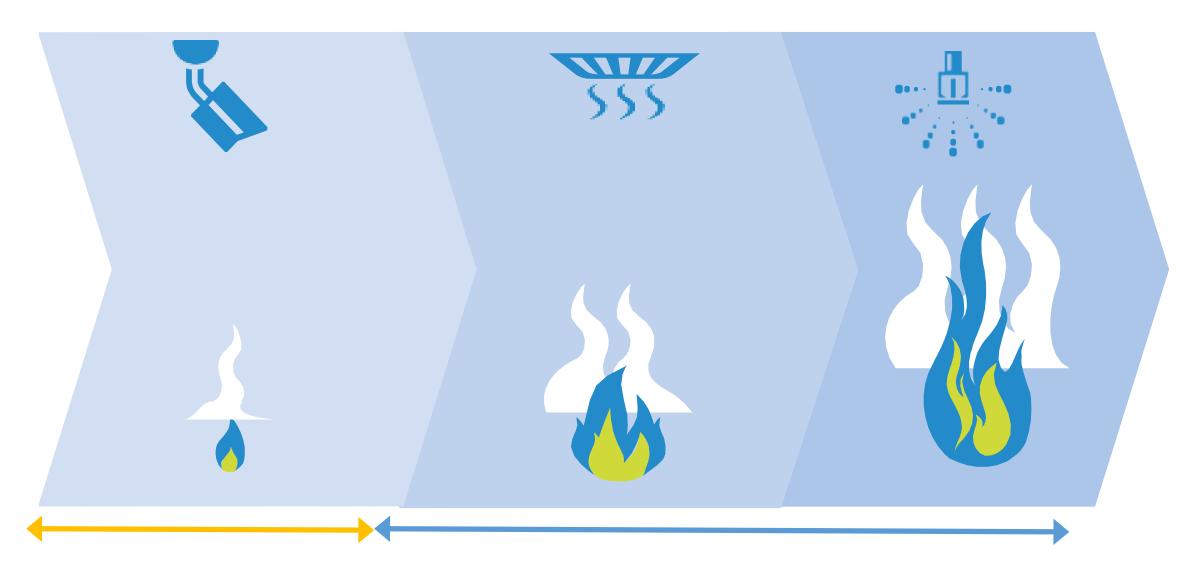
WHY?





DETECTION AT THE SOURCE

Video Smoke Detection sees it first



SmokeCatcher Traditional smoke detection

MORE THAN AN ALARM

2

Visual verification

- Exact location of the incident
- Information on presence of people/victims
- Information on nature of combustion
- Real-time progress of the incident
- Pre- and post-incident evidence







3

TRADITIONAL DETECTION CAN BE INADEQUATE

Harsh environment



High impact & high risk



Great heights



AVOID CONSEQUENCES OF FIRE ALARM





Detection at source

Minimize impact of fire

- => safer working environment
- => lower insurance costs
- => lower impact on customers

Visual verifcation

Less unnecessary evacuations

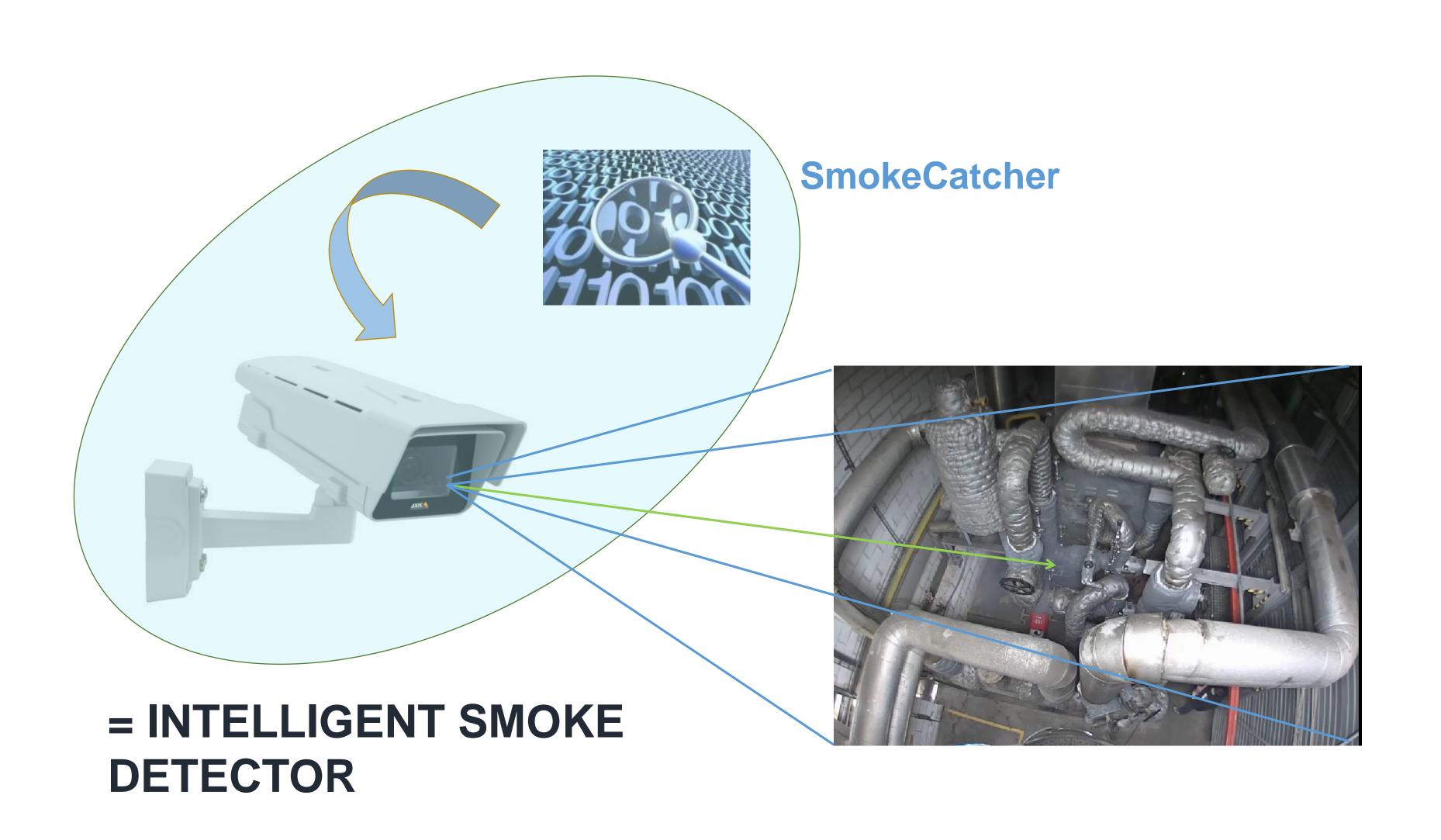
=> no work interruptions

Less unnecessary automatic extinguishing

- => no damaged goods
- => no cleaning costs
- => no cost for new water/gas/foam









INTELLIGENT CAMERA

Artpec 4, 5 & 6 cameras compatible















SMOKECATCHER LICENSE

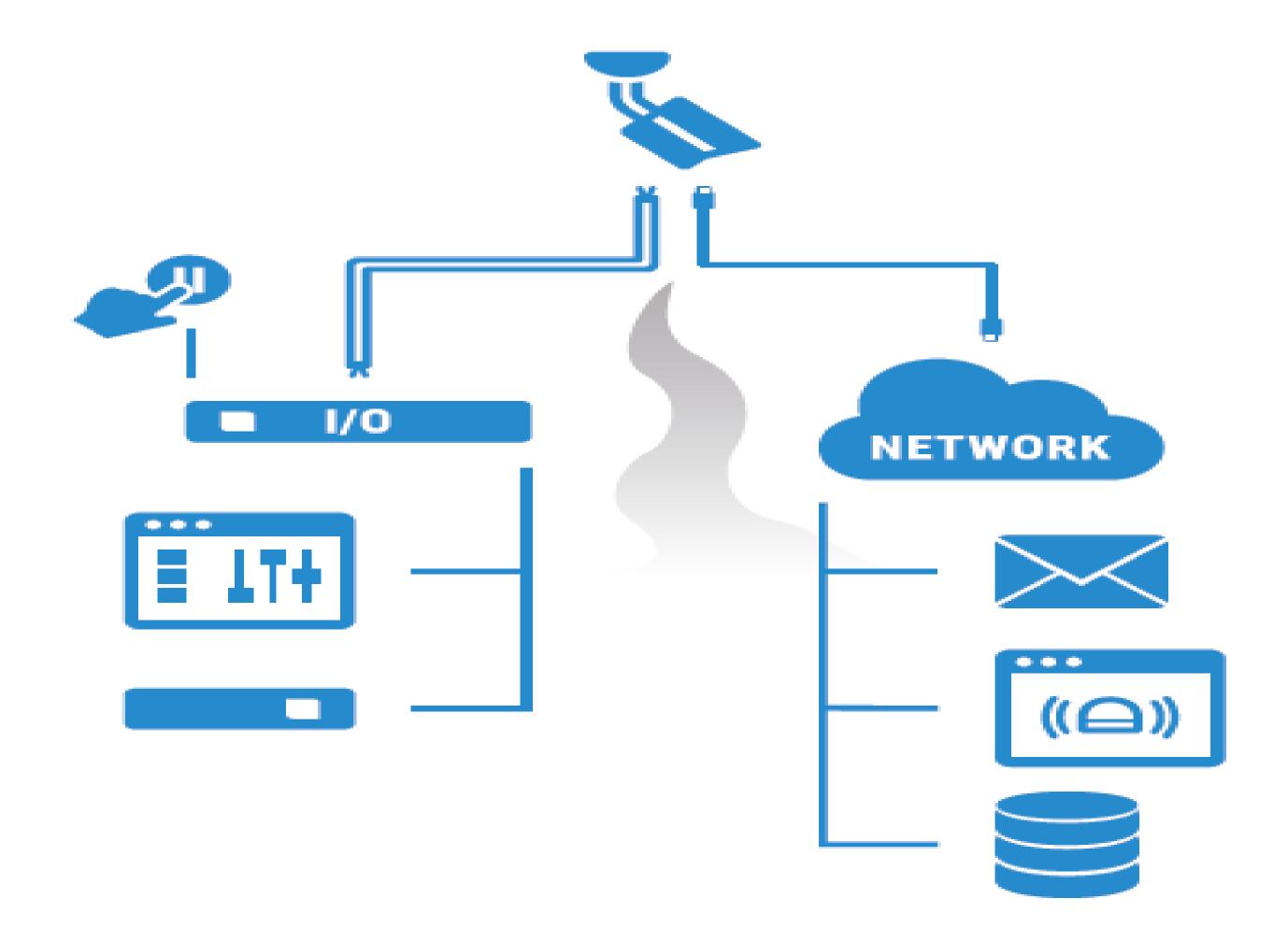
- Fault Signal
- Operational Signal
- Pre-Smoke Alarm
- Smoke Alarm
- Self test:
 - ✓ Minimal 15 lux
 - ✓ Sufficient background detail
 - ✓ Focus
 - ✓ Keep alive signal
 - ✓=> OPERATIONAL
 - X => FAULT SIGNAL







FLEXIBLE INTEGRATION



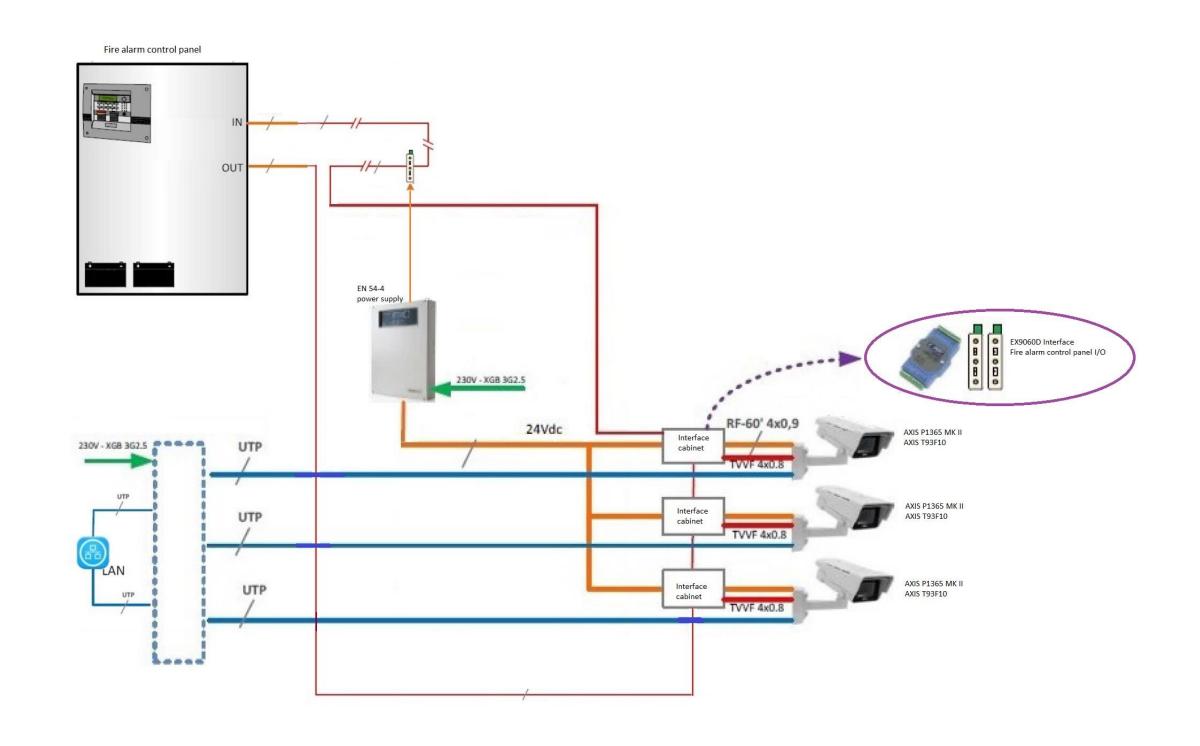




FLEXIBLE INTEGRATION

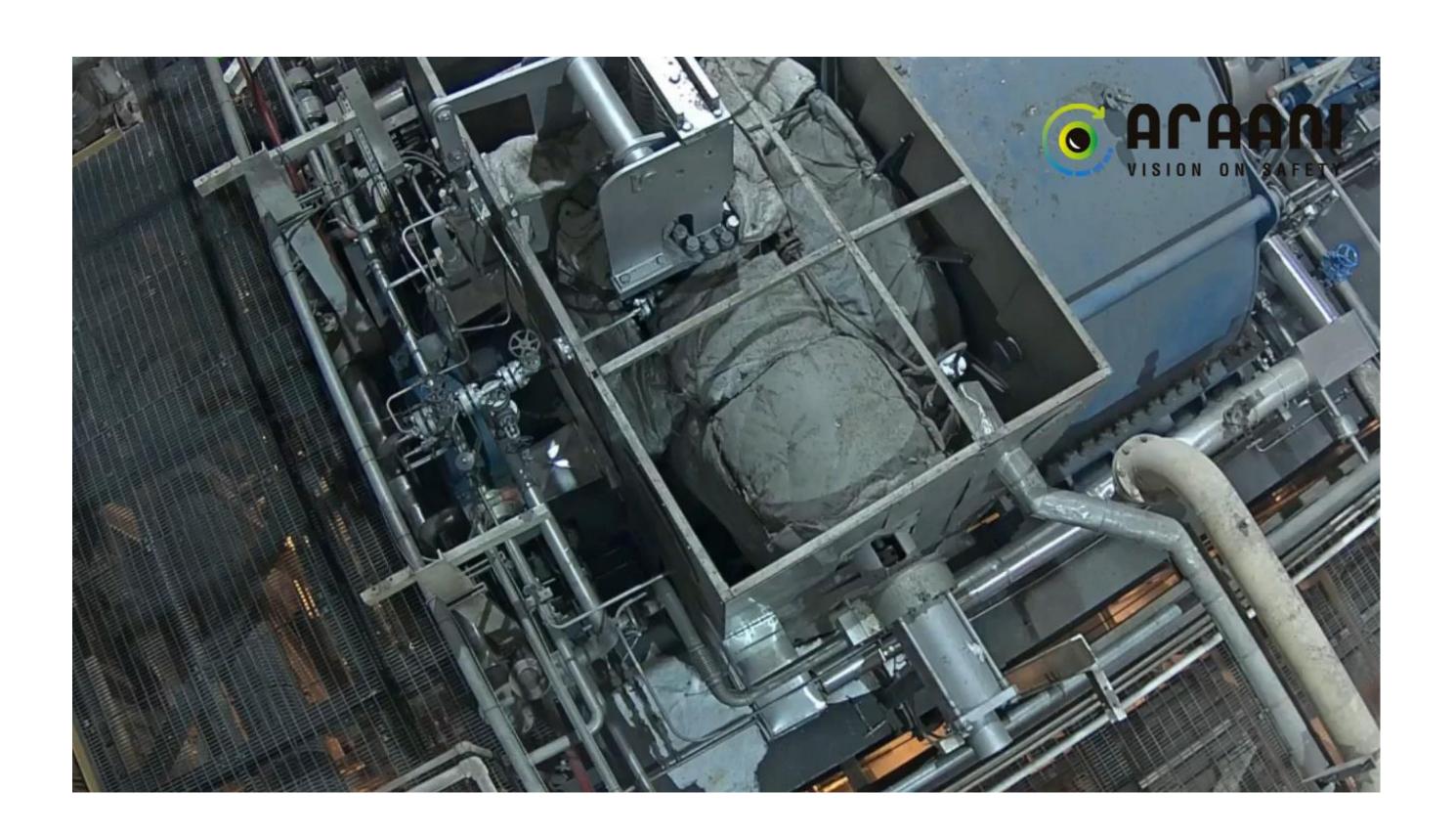
Interface module

- To link camera with Fire Control Panel
- Converts digital I/O's of camera in potential free floating contacts:
 - 4 outputs:
 - Fault signal
 - Pre-smoke Alarm
 - Smoke Alarm
 - Power/software failure
 - Inputs:
 - Reset
 - Customized





FLEXIBLE INTEGRATION







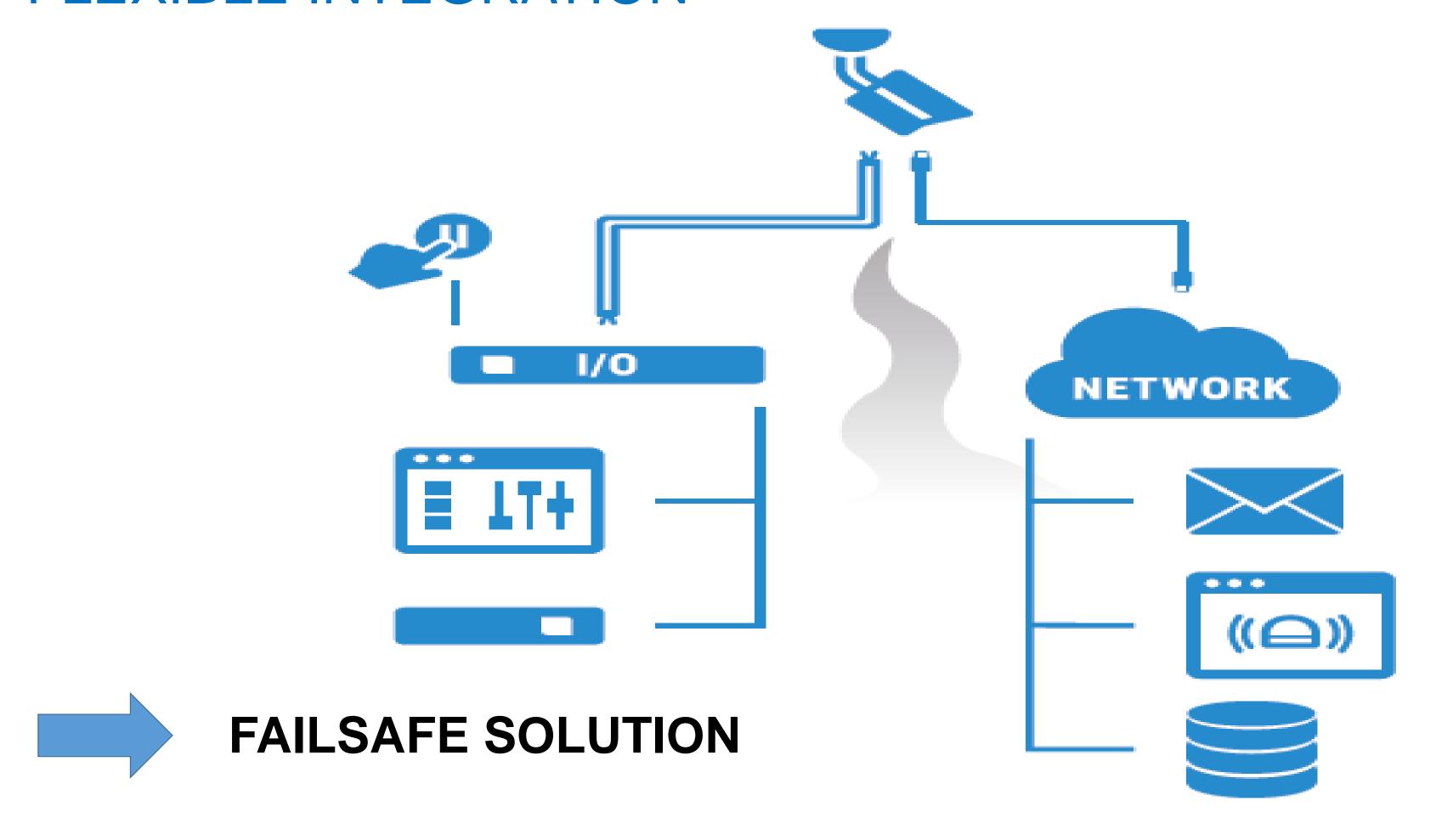








FLEXIBLE INTEGRATION







CERTIFICATION

EN 54

1

NO standard

EN 54-13 allows components even if they are not defined by an EN 54 standard

2

SO

Technical specification

ISO standard expected 2018

CERTIFYING BODIES

(3)

Bridge between technology and legislation

SmokeCatcher certification protocol



COMPLETE SOLUTION

- 1. Project support (risk analysis,...)
- 2. Study & design
 - **Test**
 - Try & buy
- 3. Installation and commissioning
- 4. Maintenance and repair
 - Annual maintenance
 - SmokeCatcher Service Contract
 - Support

BELGIUM:













SILVER PARTNER



GOLD



PLATINUM





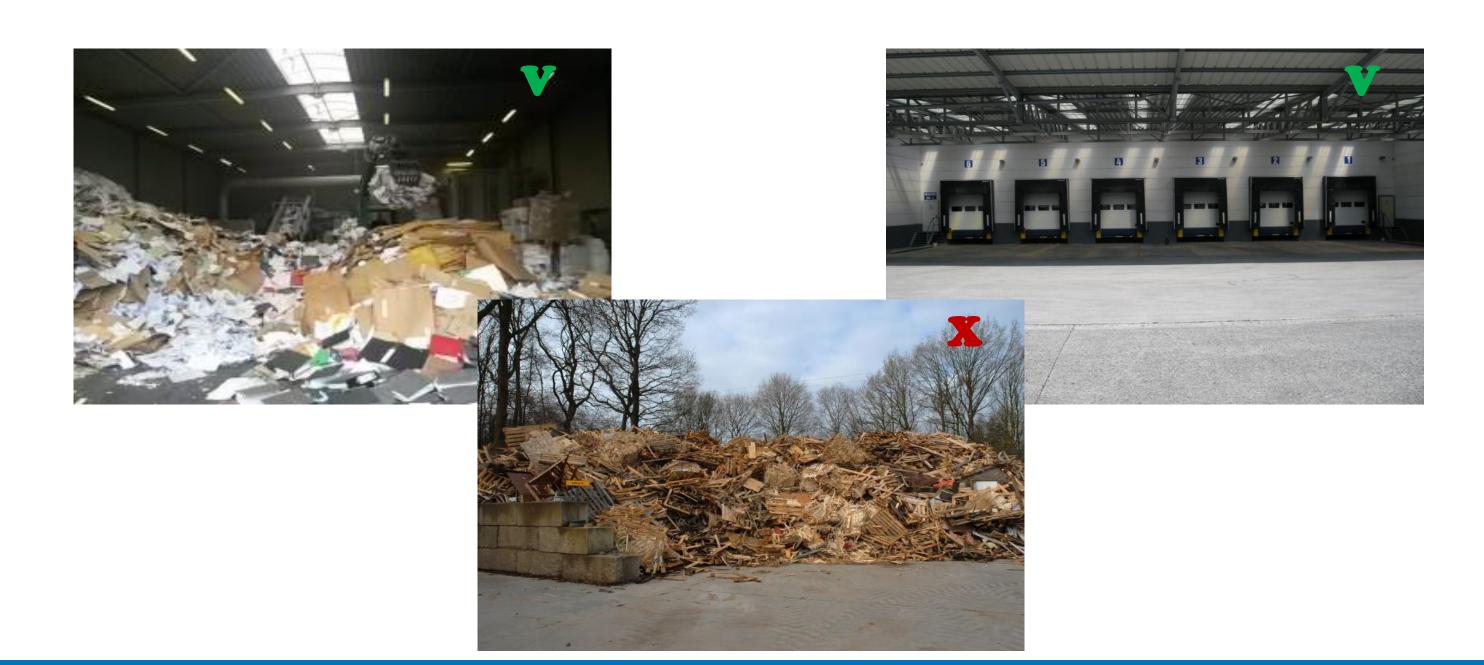






1. Practical requirements:

- 1. Indoor or roofed areas:
 - o minimize the impact of various types of weather conditions
 - o avoid direct or reflecting sunlight.





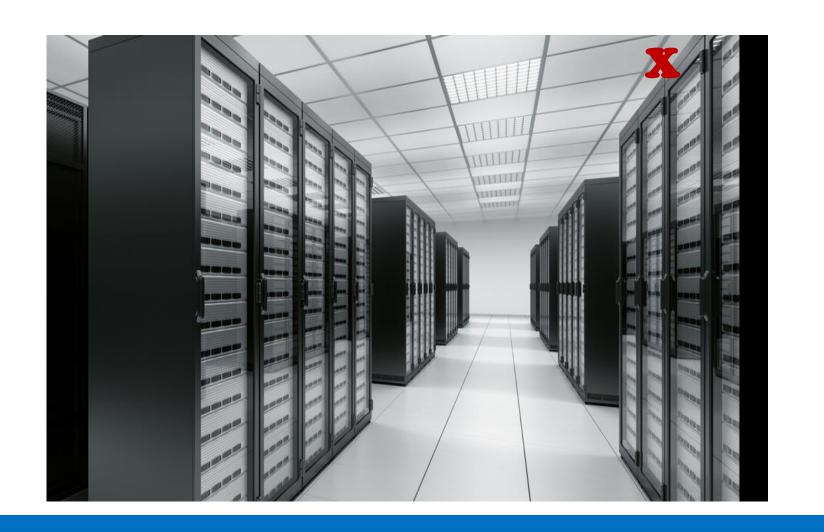




1. Practical requirements:

- 1. Indoor or roofed areas:
 - minimize the impact of various types of weather conditions
 - o avoid direct or reflecting sunlight.
- 2. Sufficient light: 15 lux 24/7.
- 3. A clear field of view.



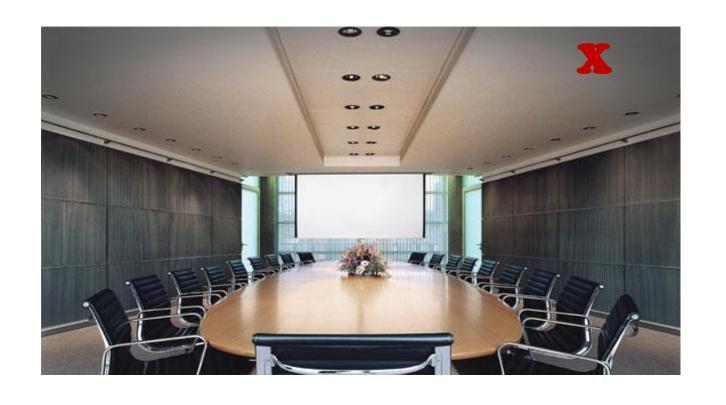








2. High impact environments:









WHERE?





GUIDELINES:

- 3. Traditional smoke detection falls short:
 - too many false alarms are generated.



the detection is too slow.













- 3. Traditional smoke detection falls short:
 - too many false alarms are generated.



the detection is too slow.



high impact & high risk.



WHERE?





USE CASES:

- 1. Chemical plants.
- 2. Waste plants.
- 3. Critical company hotspots.

WHERE?





USE CASES:

1. Chemical plants.

Challenges:

- Detection speed is crucial!
- Harsh environment.
- Visual control.









USE CASES:

2. Waste plants.

Challenges:

- Harsh environment.
- Height.
- High-risk spontaneous combustion.















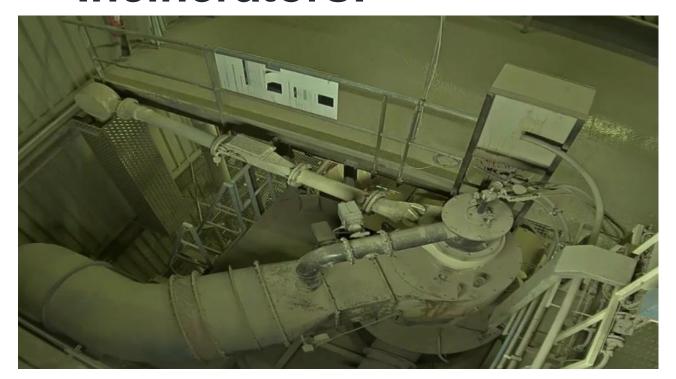
USE CASES:

3. Critical company hotspots.

Battery charging station:



Incinerators:





Thanks

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ACAANI VISION ON SAFETY

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