



The caring glance for safety, health and peace at work!

AI for Health

NOVEMBER 10 2020

Work accidents & occupational diseases

KOOPING'S MISSION

KOOPING reduces work related injuries and occupational diseases with its AI video analysis. KOOPING provides the real-time data and tools (KPIs, predictions etc.) to enable the reporting, steering and decision-making adapted to the various levels of responsibility, for multi-site companies.



Worldwide:
317 M work
accidents
(151 /15 sec.)
321 000
deaths

Europe:
3,3 M work
accidents
3 552 deaths

France:
633 K work
accidents.
530 deaths.
41,7 M
workdays lost

10 % of
the
global
GDP

**FINANCIAL ISSUES -
Direct costs**
4 % of the global
GDP.
Social contributions
for work accidents
& occupational
diseases: 13 B €.

HUMANS ISSUES
Gradual risks of
decline in the
social climate.
Loss of appeal of
the concerned
industries for
younger
generations...

**FINANCIAL ISSUES -
Indirect costs**
Resulting costs ≈ 10 % of
the global GDP.
x 3 to 5 times higher than
the direct costs...
Time loss, production
shutdown, time spent
with the external services
(labour inspectorate,
police...), eventual
lawsuits (criminal liability
of the CEO), brand
image incidence, etc.

Safety at work: needs vs Kooping's solutions

SAFETY AT WORK

- Trainings, awareness campaigns and actions of prevention.
- Processes like PPE wearing, tracking and measuring of KPIs.

ISSUES

- For the workers: to maintain a permanent vigilance level,
- For the part-time workers: to quickly manage the existing processes,
- For the managers: to continuously insure a presence among their teams, especially when they are spread among several sites,
- For the companies' leaders: to quickly obtain consolidated KPIs and data.

KOOPING MISSION

- To reduce the work accidents, using AI (Artificial Intelligence) programs on videos, to provide decision-support tools that helps decisions, on all aspects of safety at work.
- To legally insure the means of prevention actions and eventually prove them.

KOOPING SOLUTION

- PPE correct wearing detection.
- Real-time detections with an immediate alert on the incident.
- Real-time or afterwards detections: KPIs' dashboard and alert-management tool.
- Forward:
 - Hazardous situations detection.
 - Dynamical KPIs: benchmark vs. the best local KPI, or other industries comparable in terms of accidents.

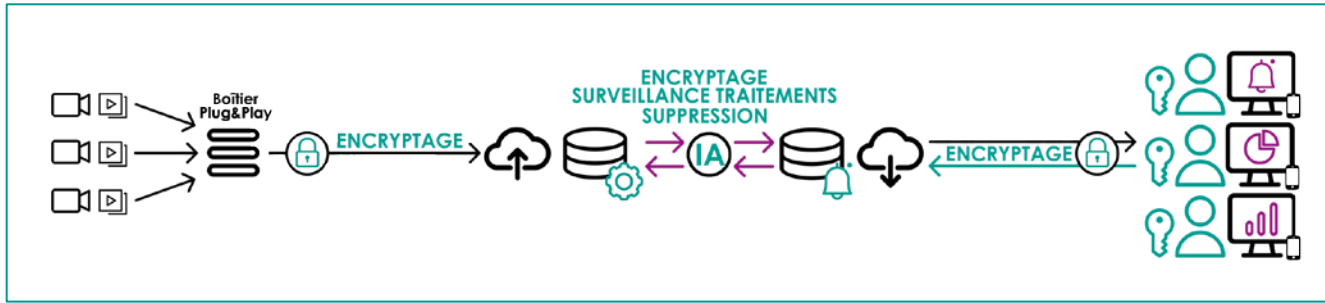
EASY to implement thanks to its Plug & Play universal box that connects almost all type of IP cameras to its European Cloud.

FLEXIBLE to change the AI program chosen on each camera among the various AI programs of its catalogue.

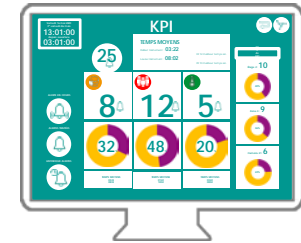
AFFORDABLE: no need to settle the detection programs 24/24 7/7 nor the videos at full resolution, Kooping's web app allows the user's to customize a cost-efficient solution.

GDPR « COMPLIANT »: no storage are needed, the data are destroyed as soon as the detection is done; all the personal data processing are tracked and if needed, all faces can be blurred!

Kooping's solution: How it works?



Alert tool management



KPIs dashboard



History of alerts

Detection



PPE wearing

Social distancing

European Cloud

Real-time alerts

- Alert messages (text, sound, visual summary)
- Anonymised data: which camera, time, circumstance, alert type (mask, jacket, distance...).

Dashboards

Dynamical & consolidated data:

- Overall vision of one site,
- Multi-sites overview,
- Analysis criteria: people counting detected per type of PPE, per zone, per hour, per time...

Demo of AI programs



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