

ARTIFICIAL INTELLIGENCE
COGNITIVE VIDEO TECHNOLOGY



**SMART CITY AND TRAFFIC
ANALYTICS APPLICATIONS**

HOW ARTIFICIAL INTELLIGENCE CAN HELP



Smart City Technology can provide multiple advantages, such as **managing resources intelligently** to become economically sustainable and energy self-sufficient. More than anything, Smart City is attentive to the **quality of life and needs of its citizens**.

Smart City applications require the processing of enormous quantities of data. The **AI** can efficiently sift through large amounts of **Big Data** to generate data predictions and **cost-effective solutions**.

Traffic is an essential part of a City's life, fundamental to assisting overall efficiency and allowing timely intervention.

HOW SAFE PEOPLE WORKS



SafePeople is an **AI** software installed on **existing cameras**, allowing you to extract **relevant metadata** and launch **alerts** when needed, via email, text message, or any other preferred method.

Depending on the need, the processing of video streams can take place directly in the relevant **Data Center**, on the **Cloud**, or in a **hybrid** version.

REAL SCREENSHOTS

DASHBOARD

SAFE PEOPLE | LIVE DATA | LIVE CAMS | ANALYTICS | EVENTS | MONITORING

LIVE OPTIONS

Select your view's map.

Overview Demo MAP 01

Below you can enable the CAMs you want to view on the map.

Use the search filter to immediately find the CAM you are looking for.

Filter by CAMS here...

- Cam 01 (data generator)
- Cam 02 (data generator)
- Cam 03 (data generator)
- Cam 04 (data generator)

EVENTS LIST

List of recent events (9)

- FEVER (DATE: 2021-07-08 | TIME: 12:14:35)
- FEVER (DATE: 2021-07-08 | TIME: 12:14:29)
- PANIC (DATE: 2021-07-08 | TIME: 12:14:29)
- FEVER (DATE: 2021-07-08 | TIME: 12:14:23)
- FACE_DETECT (DATE: 2021-07-08 | TIME: 12:14:22)
- FACE_DETECT (DATE: 2021-07-08 | TIME: 12:14:22)

HEATMAP

DATE: 2021-07-08 | TIME: 12:14:35

25/55 YEARS | MALE | NEUTRAL

PEOPLE COUNT

FACE COUNT | Gender: 46.8% (Female), 53.2% (Male) | Sentiment: Angry, Happy, Surprise, Neutral | Age: 0-12, 13-18, 19-30, 31-50, 51-70, 70+

AI POWERED

FORECASTING EVENTS

SAFE PEOPLE | LIVE DATA | LIVE CAMS | ANALYTICS | EVENTS | MONITORING

ANALYTICS OPTIONS

Period: 15 mins

Filter by CAMS here...

- Cam 01 (data generator)
- Cam 02 (data generator)
- Cam 03 (data generator)
- Cam 04 (data generator)

Face Analytics

Fever Analytics

Flooding Analytics

Panic Analytics

People Analytics

Weapon Analytics

Apply

AI POWERED

FACE COUNT | Cam 01 (data generator)

Gender: 47.7% (Female), 52.3% (Male)

PEOPLE COUNT

Angry, Happy, Surprise, Neutral, 0-12, 13-18, 19-30, 31-50, 51-70, 70+

PEOPLE WITH FEVER

DENSITY | Cam 02 (data generator)

FLOODING EVENT

FACE COUNT | Cam 02 (data generator)

Gender: 41.7% (Female), 58.3% (Male) | Sentiment: Angry, Happy, Surprise, Neutral | Age: 0-12, 13-18, 19-30, 31-50, 51-70, 70+



BENEFITS & ADVANTAGES OF



COMPETITIVE

Low economic investment compared to personnel costs



EFFICIENCY

It can be installed on existing cameras and intervenes only when necessary

REAL-TIME ANALYSIS

Immediate monitoring and analysis allow you to focus on relevant data only



PRIVACY

It does not store sensitive information, only records anonymous data and statistics



SMART CITY AND TRAFFIC ANALYTICS APPLICATIONS

01 SMART CITY

Optimize your City's traffic, gatherings, paths, and efficiency –no need to purchase extra specific cameras. Instead, enhance what you already have

02 TRAFFIC ANALYTICS

Traffic is vital for the best outcome ever. People can work better and faster if roads are optimized. The AI permits immediate intervention where needed.

01

SMART
CITY

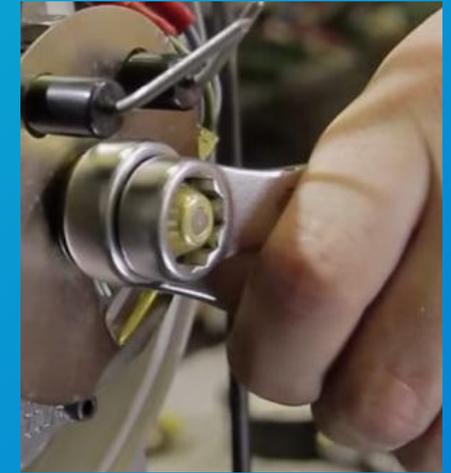
CROWD ANALYSIS

Keep an eye on **crowd formation** and get real-time notifications whenever crowds form in designated areas to manage **people flows** more efficiently. Analyze whether the processed **routes** are effective or not.



ABANDONED OBJECTS FLOOD AND FIRE DETECTION

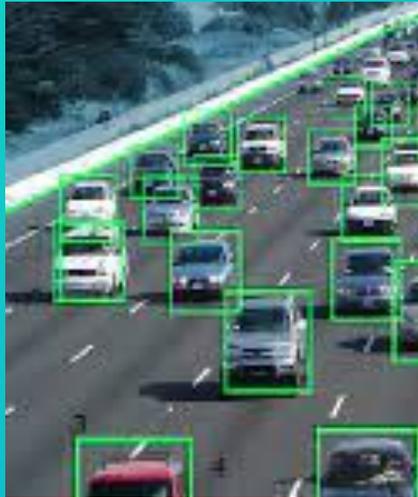
Monitoring of **illegal abandoned waste** or objects on the streets, near markets, etc. Identification of type of waste, the quantity, and its location. When installed on street cameras, the software can perform OCR reading on vehicle plates and models.



PUBLIC SAFETY

Get instant alerts if **abnormal situations** occur in sensitive locations. Intervene more promptly and efficiently when **dangerous events or environmental disasters** occur. Plan **evacuations** or **rescue efforts** in a significantly reduced amount of time.

02

TRAFFIC
ANALYTICSTRAFFIC MONITORING &
FORECASTING

Detect a **traffic jam** in real-time and take the necessary action. Receive an alert when a **broken vehicle** must be removed or when the **direction of travel or speed limit** is violated. Receive traffic volume **forecasts** after just a few weeks of training.



ROAD ACCIDENTS

In an **accident**, the software raises an alert to the operations center and possibly to the police, depending on the extent of the impact.

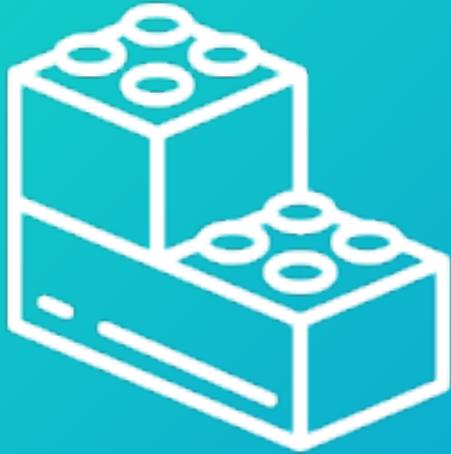
TRAFFIC LIGHT
VIOLATIONS

Check to see if **traffic lights** are being followed. Get instant notifications if a traffic **violation** occurs or an overview of the most neglected traffic lights to evaluate a specific intervention. Also, get **license plates** of vehicles that are not obeying traffic laws.

FORBIDDEN
PARKING/TRANSIT AREAS

Monitor prohibited parking or transit areas. Get real-time alerts whenever a vehicle (car, bike, truck) or pedestrian passes through a **forbidden area**. Optimize your **parking areas**.

ENDLESS POSSIBILITIES



Exactly as it happens with **Lego** bricks, **Artificial Intelligence** allows you to combine any need into an infinite number of possible solutions, each **customizable** to your needs.

SafePeople supports over **70 use cases**.

Thank you!

Q&A



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