



## **Artificial Intelligence and Sharing Economies** meet today's **Security Challenges**

KRYPTO SECURITY (CYPRUS) LTD was established in 1995. It maintains its head offices, 24/7 central monitoring station and storage space in a privately owned facility in Limassol, while its activities expand throughout Cyprus.

The company is a member of the Cyprus Chamber of Commerce and Industry and the Cyprus Association of Security (KYSEA) and holds a Registered Permission for a Private Security Bureau from the Cyprus Police for both the company and all technical staff. The company is also certified with the International Standard ISO9001: 2008. At present the company employees 43 members of staff and collaborates with over 60 professional associates all over Cyprus. Our client list exceeds the 7000 in number. The majority of these clients are being monitored by the 24-hour Monitoring Centre of the company, ensuring the protection of each customer, at any point.



# Police operating license as per N.125(I)/2007 parts 11,13 for both the company and 23 technicians

ΑΣΤΥΝΟΜΙΑ



ΚΥΠΡΟΥ

(Εγγύφιο Αστ.362)

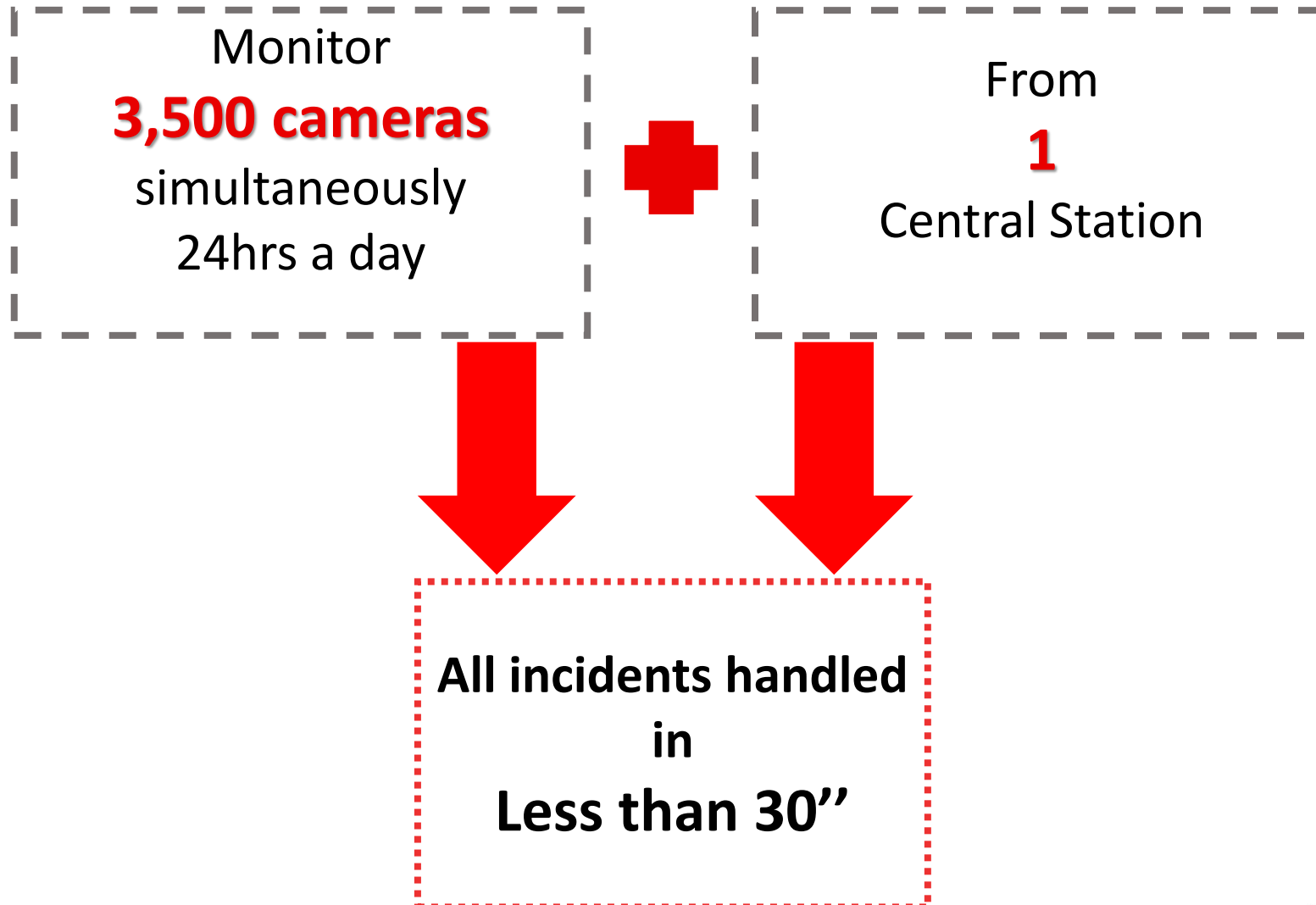
Αρ.Άδειας

ΙΓ/1026

**ΑΔΕΙΑ ΙΔΡΥΣΗΣ ΚΑΙ ΛΕΙΤΟΥΡΓΙΑΣ**  
**ΙΔΙΩΤΙΚΟΥ ΓΡΑΦΕΙΟΥ ΠΑΡΟΧΗΣ ΥΠΗΡΕΣΙΩΝ ΑΣΦΑΛΕΙΑΣ**  
(Άρθρα 11, 13 του Ν. 125(Ι)/2007 ως έχει τροποποιηθεί)

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|---|--|--|---|
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Is it possible?



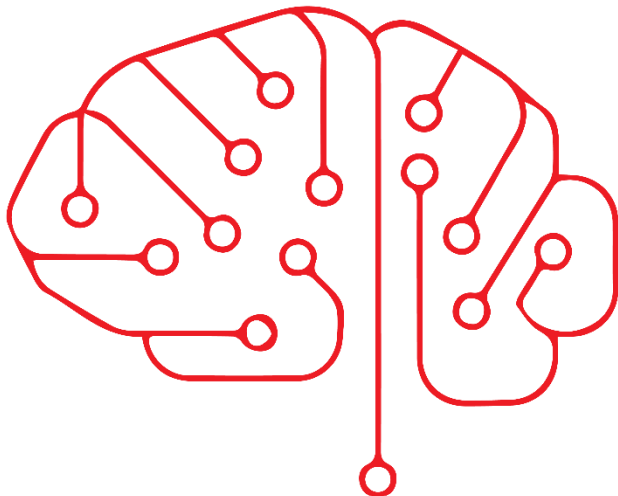
## Real cases in Cyprus

*Proactive & Retrospective all in ONE*



**Proactive Security** is the latest technology based on **Artificial Intelligence**.

Powerful micro-processors continuously analyze in real-time the video of numerous cameras providing immediate alerts caused by suspicious or unusual incidents.



The result is **Preventive** and  
**Enhanced Security**  
with **Minimum Cost** for companies



Thieves are using advanced technology



## Preventive Security Workflow





Foremost priority for organizations is **smooth** and **efficient operations**.

Any incident that could disturb the flow of operations could cause thousands of euros in terms of:

- Stolen or damaged goods and equipment
- Decreased productivity
- Loss of working hours because of damaged or missing equipment
- Delays in meeting clients deadlines
- Cost of handling dissatisfied customer
- Cost in the image of the company towards customers
- Possible loss of customers



Therefore prevention is a top priority for organizations and the most effective tool is  
**Proactive Technology based on Artificial Intelligence**



“Sharing economies” concept is a key driver in the development of future economies.

Because of the technological development companies have the opportunity to share resources in costly operations.

**This results in the development of first-class services at a minimum cost.**

### Sharing Economies in Security of organizations

A centralized monitoring centre serves hundreds of companies by monitoring thousands of cameras simultaneously.

And because of the artificial intelligence it is like each company has a dedicated guard ready to prevent any incident for every camera of the security system.



**Better**

- Preventive security

**Faster**

- Response in Less than 30''

**Cheaper**

- 24/7 Monitoring starting from €100

**First Class  
Security**

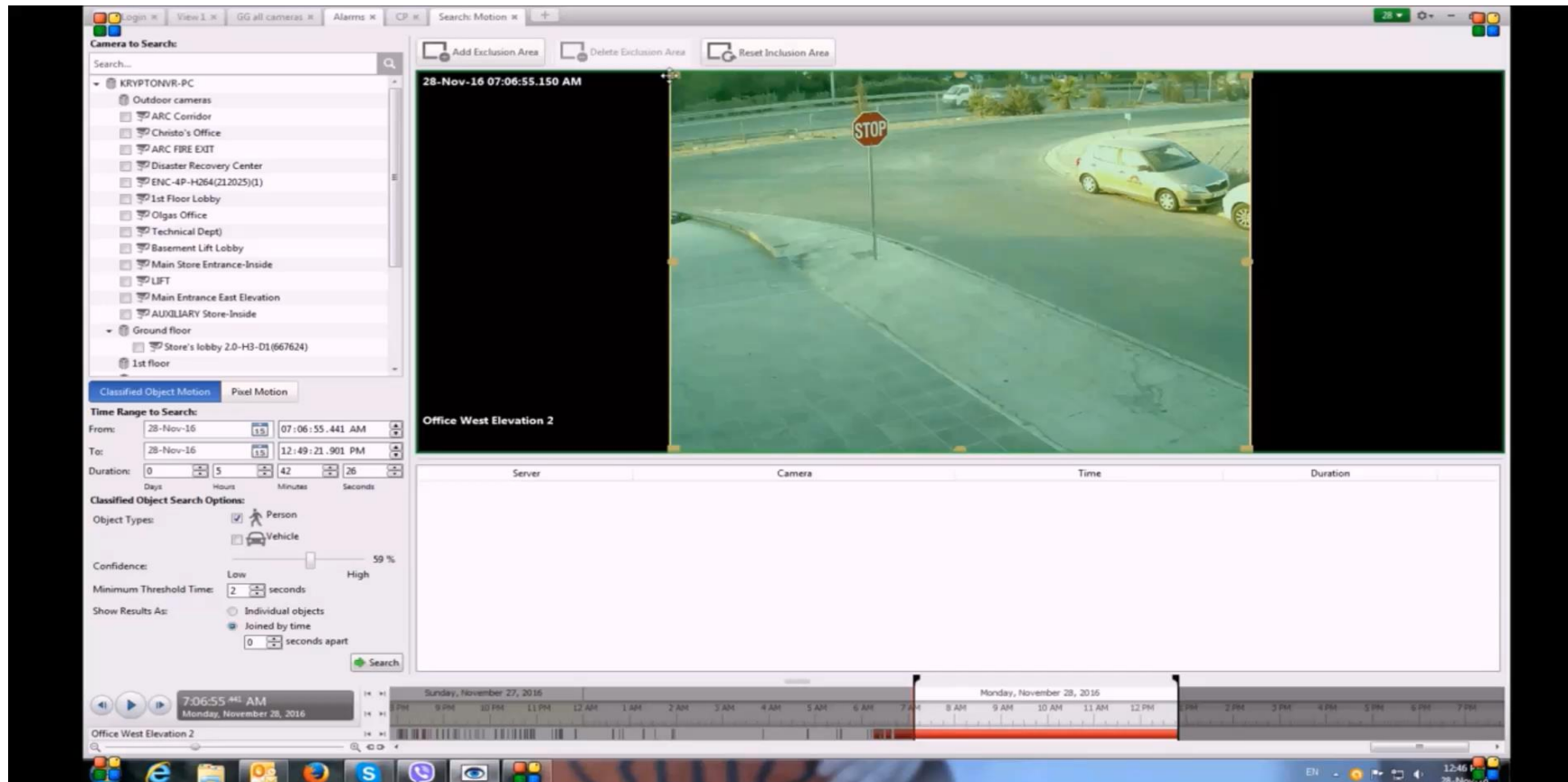
Find an incident of interest in seconds!!

## Thumbnail search Video



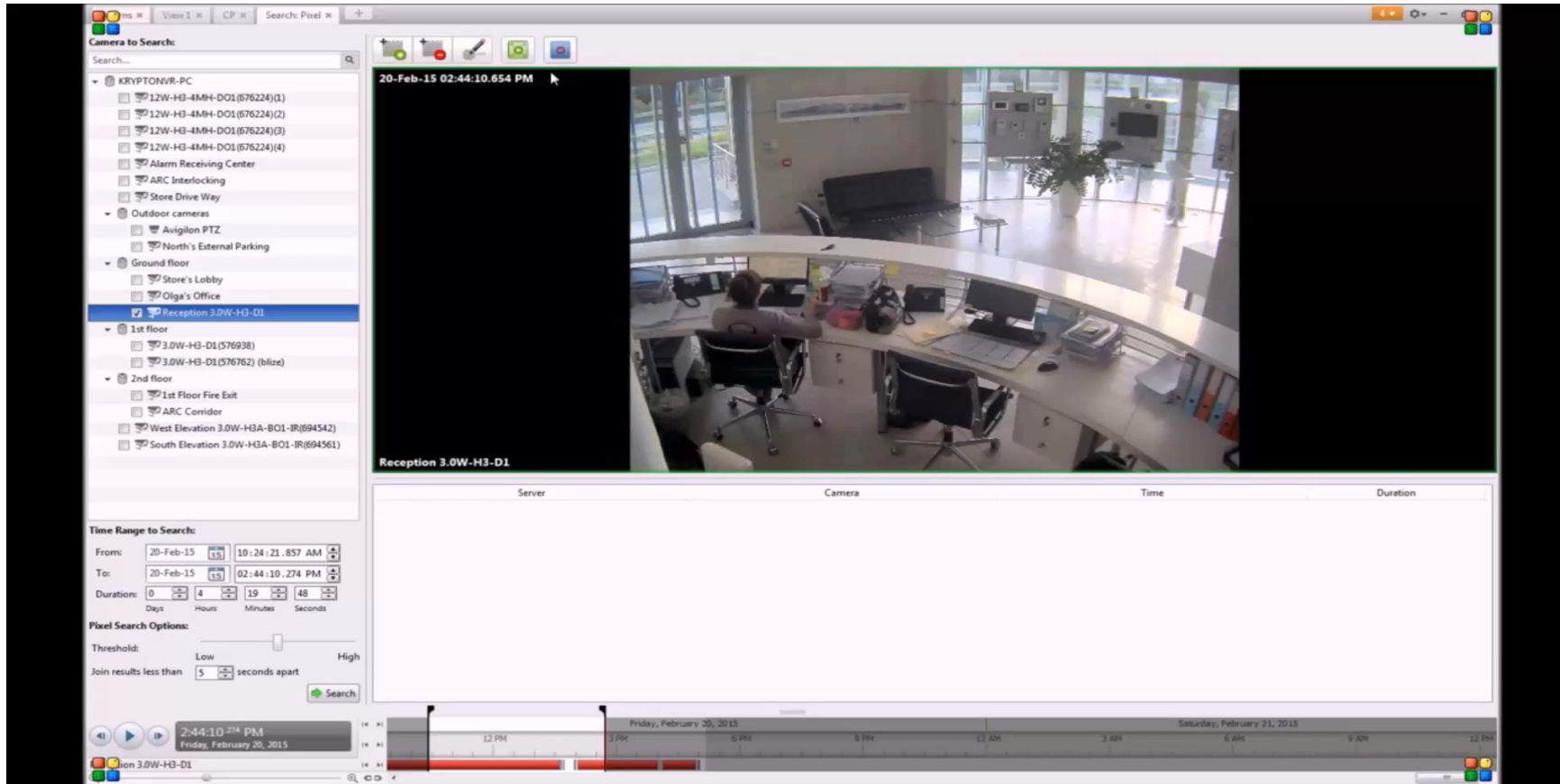
Find an incident of interest in seconds!!

## Object search Video



Find an incident of interest in seconds!!

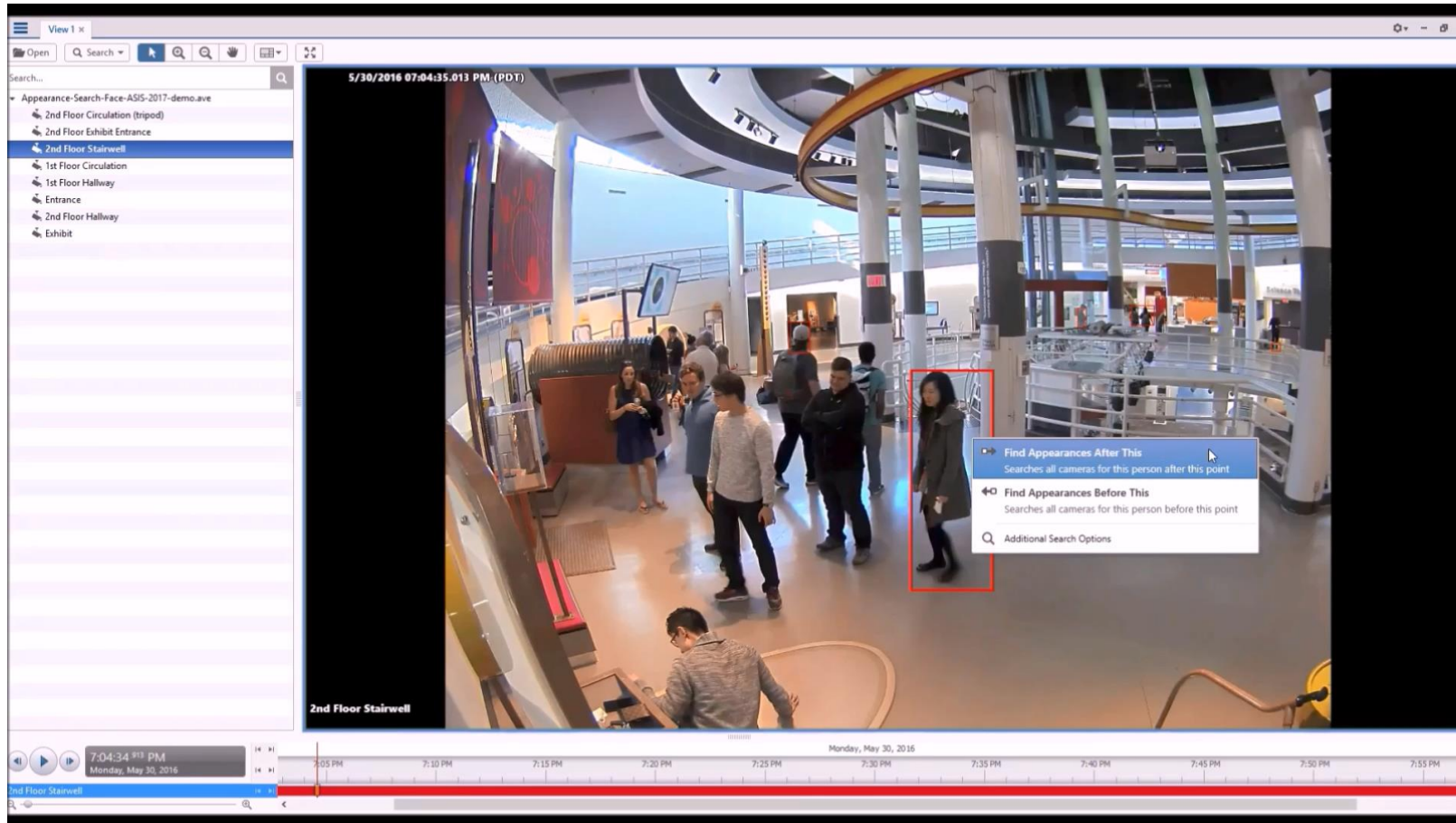
## Pixel Search Video





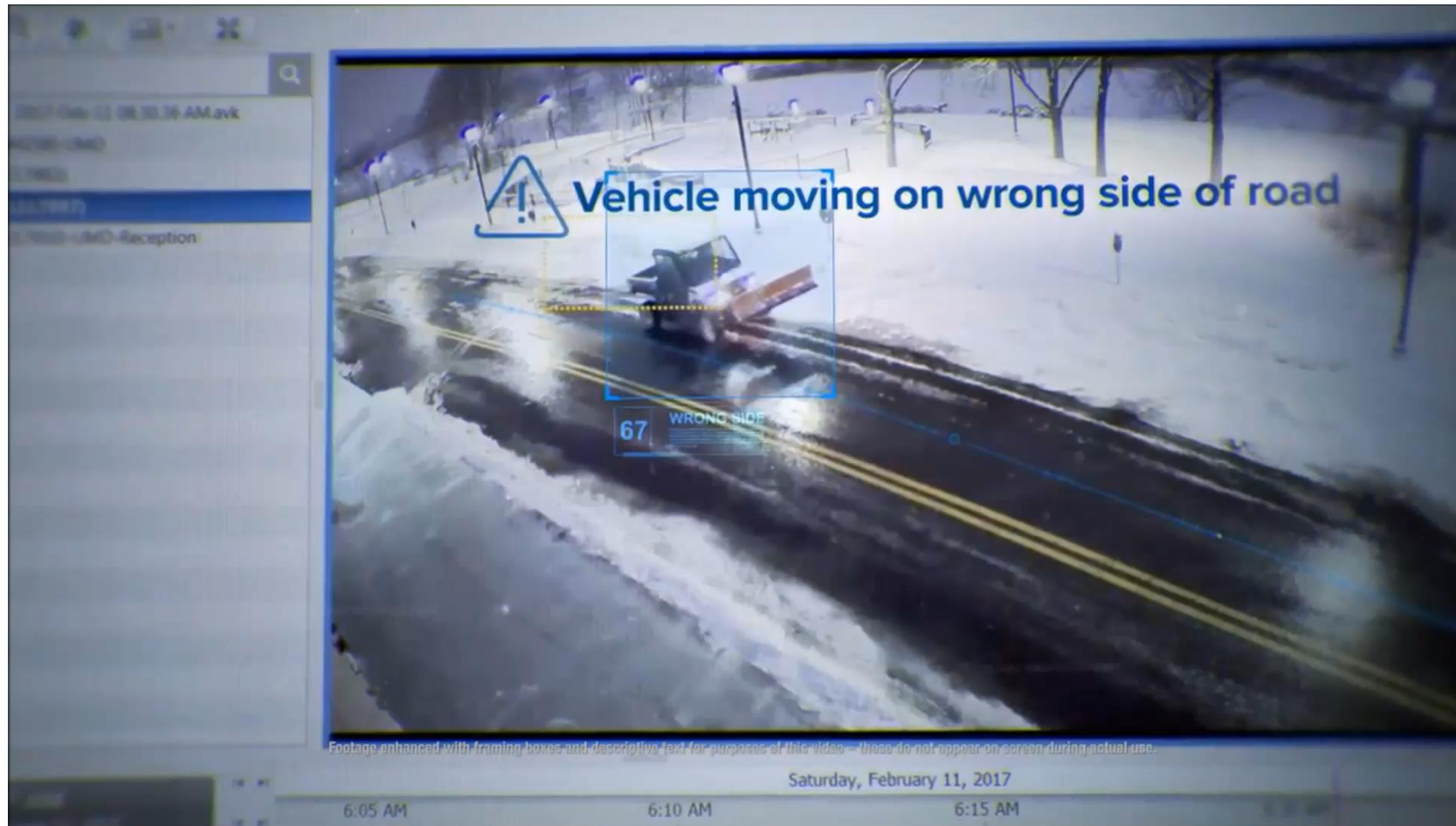
## Be one step ahead with Appearance Search

Find throughout all your cameras and compose in seconds a video that will indicate who, how, who was involved in a suspicious activity



## Even more proactive through our Artificial Intelligence – Unusual Motion Detection Technology

Our Artificial technology has the non stop sustained attention on the camera field of view and presents to the operator only the unlikely motion events in the scene events to draw his attention.





## Retrospective technology / stronger & smarter



**Cyber security is important. More than 80 000 systems has already been hacked and video footage is available to criminals.**

In order to secure communications between Avigilon Control Center (ACC) and Avigilon cameras, and via web browser access to the camera, the Avigilon cameras use encrypted firmware and support: SSL 3.0, TLS v1.0, v1.1 and v1.2 using a certificate stored in the camera. This prevents cameras to be hacked by third party.

The cameras are also secured using three levels of user passwords.

In addition, 802.1x port based authentication is supported via EAP or EAP-TLS. In the latter case, the TLS client certificate and private key are stored inside the camera

All recorded video and audio is digitally signed using 256-bit encryption so video can be authenticated for evidentiary purpose



## Operational Effectiveness

### Improved Security

- 24/7 monitoring of all security cameras.
- On the spot incidents handling within a maximum of 30”.
- Elimination of false alarms.
- Easily share video evidence with the police, who can conclude their investigations with greater confidence and success.

### Improved Productivity

- Smooth and efficient operations.
- Improved stock control.
- Investigate incidents within minutes of occurring to ensure health and safety compliance.
- Using video footage as a training tool to ensure employees follow industry procedures to prevent future accidents.

## Cost minimization

### Security costs

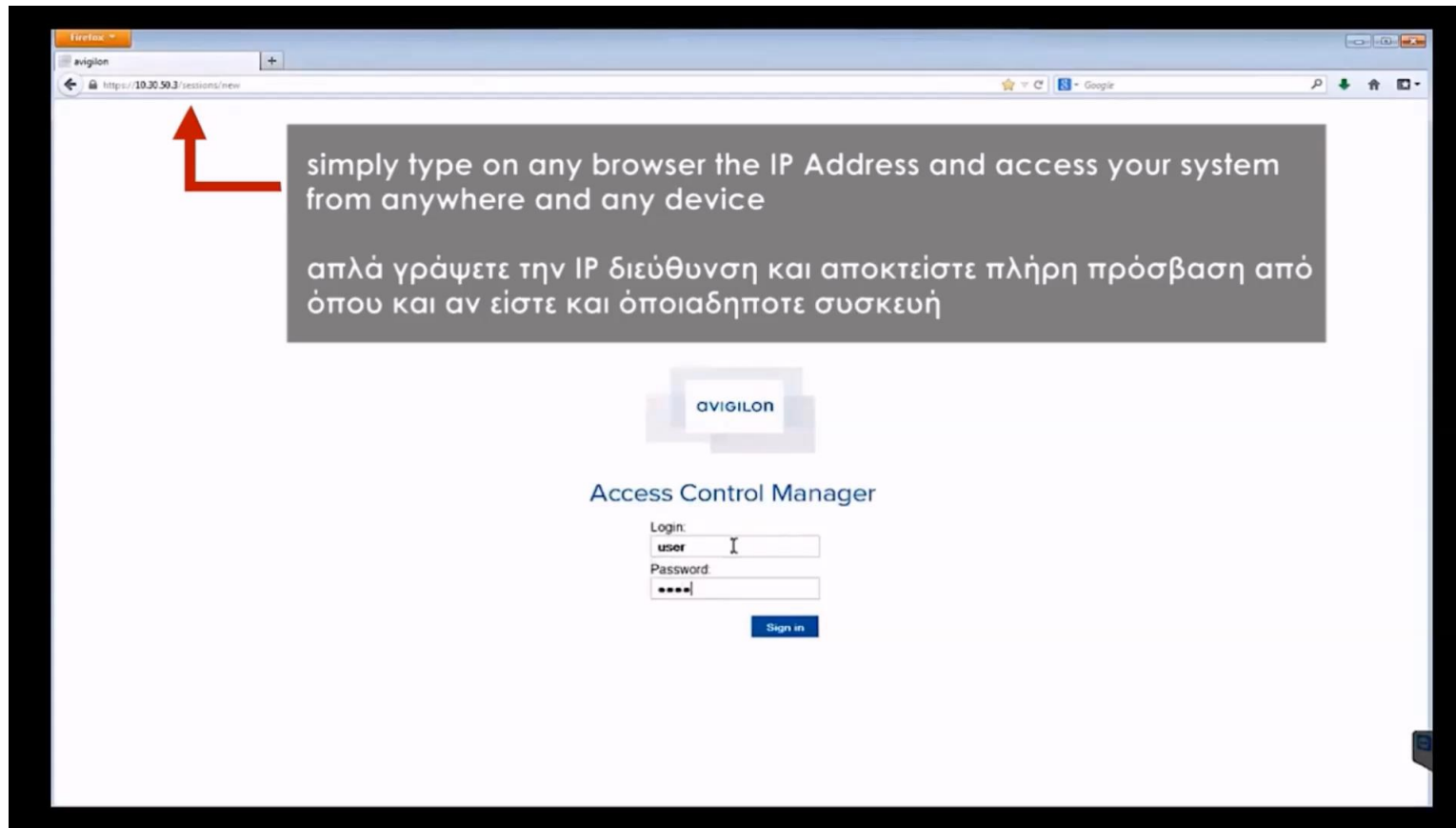
- Elimination of guards costs.
- Cut the cost of covering stolen or damaged materials caused by external individuals or employees.
- Cost minimization through the centralized monitoring station.
- Elimination of costs occurring because of an intrusion:
  - Loss of working hours because of damaged or missing equipment
  - Delays in meeting clients deadlines
  - Cost of handling dissatisfied customer
  - Cost in the image of the company towards customers
  - Possible loss of customers
- Cost of a sabotage

- ▶ **We have been distributing Avigilon in Cyprus since 2008**
- ▶ **It is currently installed in 650 premises.**
- ▶ **Our Video Analytics Monitoring began in 2014 and we are currently monitoring over 3000 cameras.**
- ▶ **We have successfully prevented 34 critical incidents up to date.**
- ▶ **A proactive system can depreciate its investment within the first year as it replaces or minimizes your static guards.**



# Avigilon Browser Controlled IP Access Control

Integrate your CCTV with an Avigilon IP Access Control System and restrict and manage the access through your doors



/ The Safety of your property and your people is

Priceless



Thank you



# KRYPTO SECURITY

*total peace of mind!*

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