Cell: +27 (0) 82 924 4642 Tel: +27 (0) 10 590 6882 Fax: +27 (0) 86 265 1503
Block B • Eastgate Office Park • South Boulevard Road • Bruma • 2198
P.O Box 40037 • Cleveland • Gauteng 2022 • South Africa • E-mail: info@csas.co.za

SHOPPING MALL & SUPERMARKET CAMERA SECURITY SOLUTIONS

INCREASING DEMAND – NEW CHALLENGES

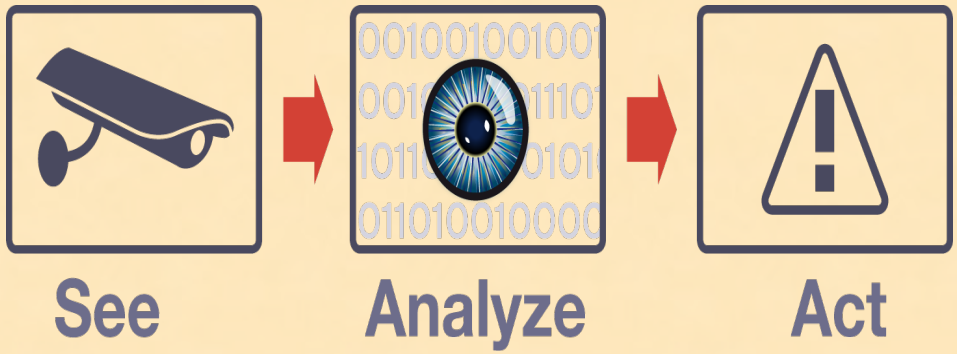
INFORMATION FLOOD

- Little security
- High cost
- Privacy problems

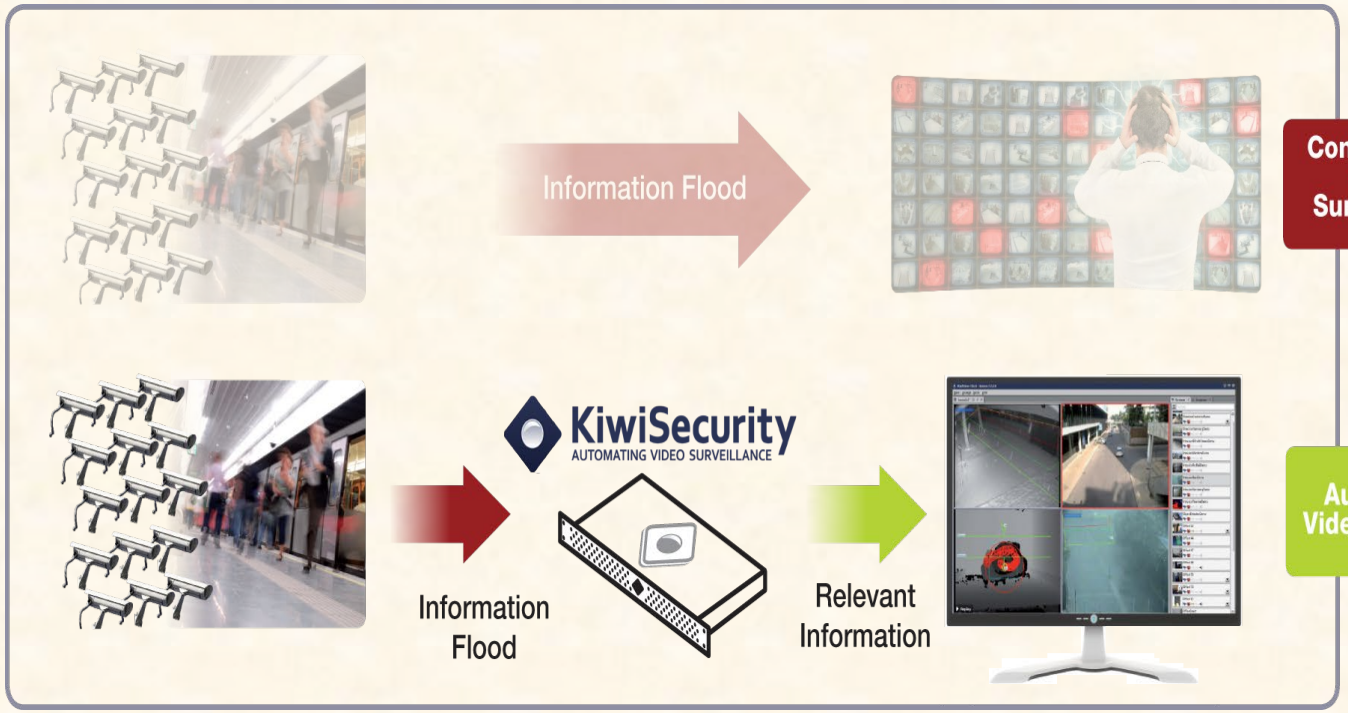
AUTOMATED VIDEO SURVEILLANCE

INTELLIGENCE FOR EVERY NEW AND EXISTING SYSTEM

- Camera sees
- Algorithm analyses
- Human acts



AUTOMATED VIDEO SURVEILLANCE



OUR MISSION

Eliminating Every False Alert

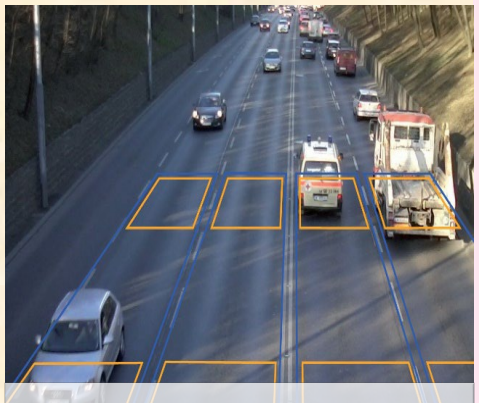
With the most accurate detection of key information
even in most critical and demanding situations

KiwiVision® Video Analytics

Security

Privacy Protection

Business Intelligence



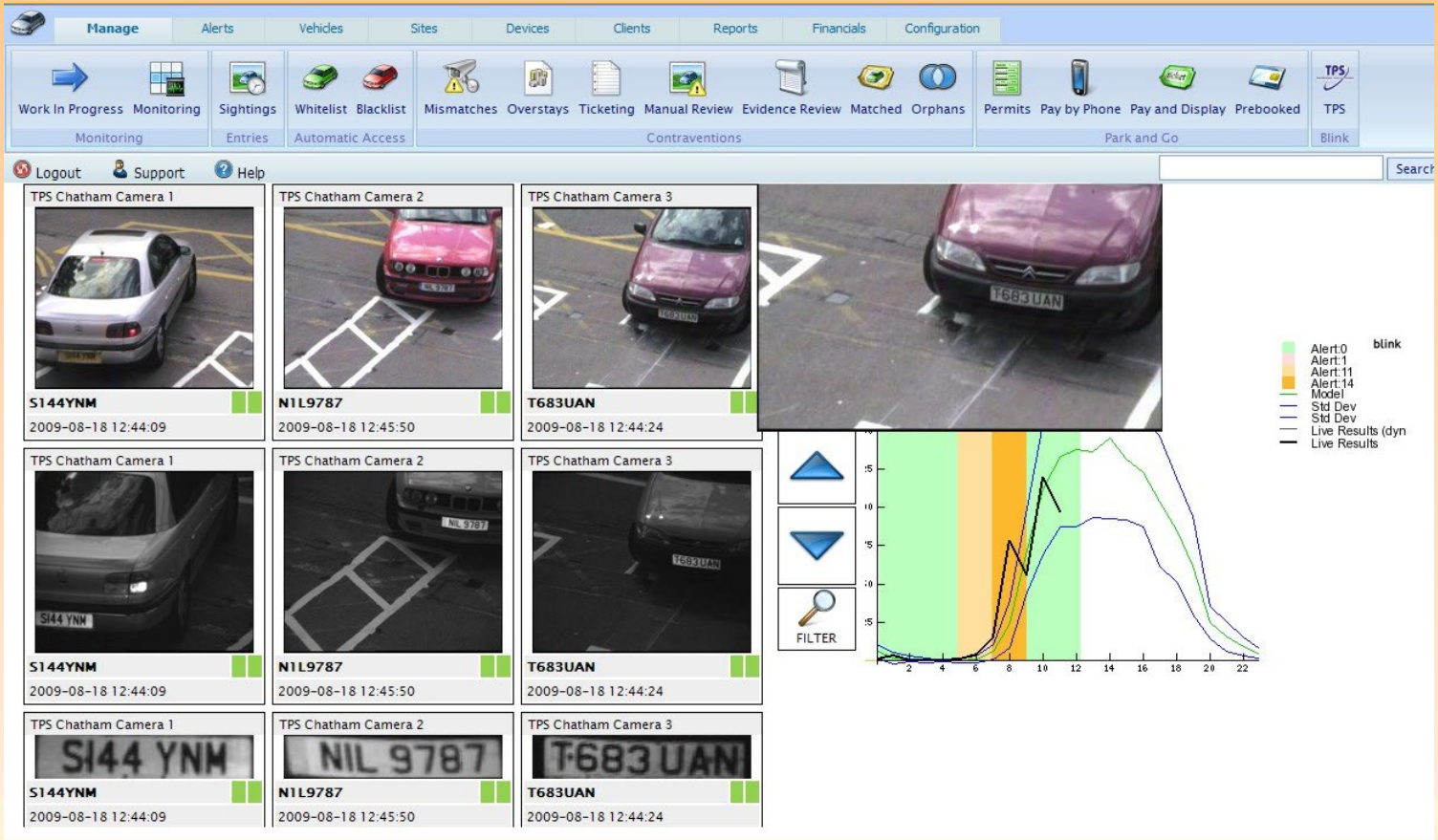
Traffic Intelligence

Video Control Centre

Remote Video Monitoring

Alert Verification

SOFTWARE AS A SERVICE



BLINK – PARKING MANAGEMENT

Site Name: Halfords Elgin

Contacts **Name Tel Email**

Please click on any Site on the map to the left to display its settings

Address : The Car Park

Lossie Wynd North

City: Moray, Elgin

Location: Grampian

Post Code: IV30 1PU

Region: George Campbell

Country: Scotland

Type Surface

Regime X mins

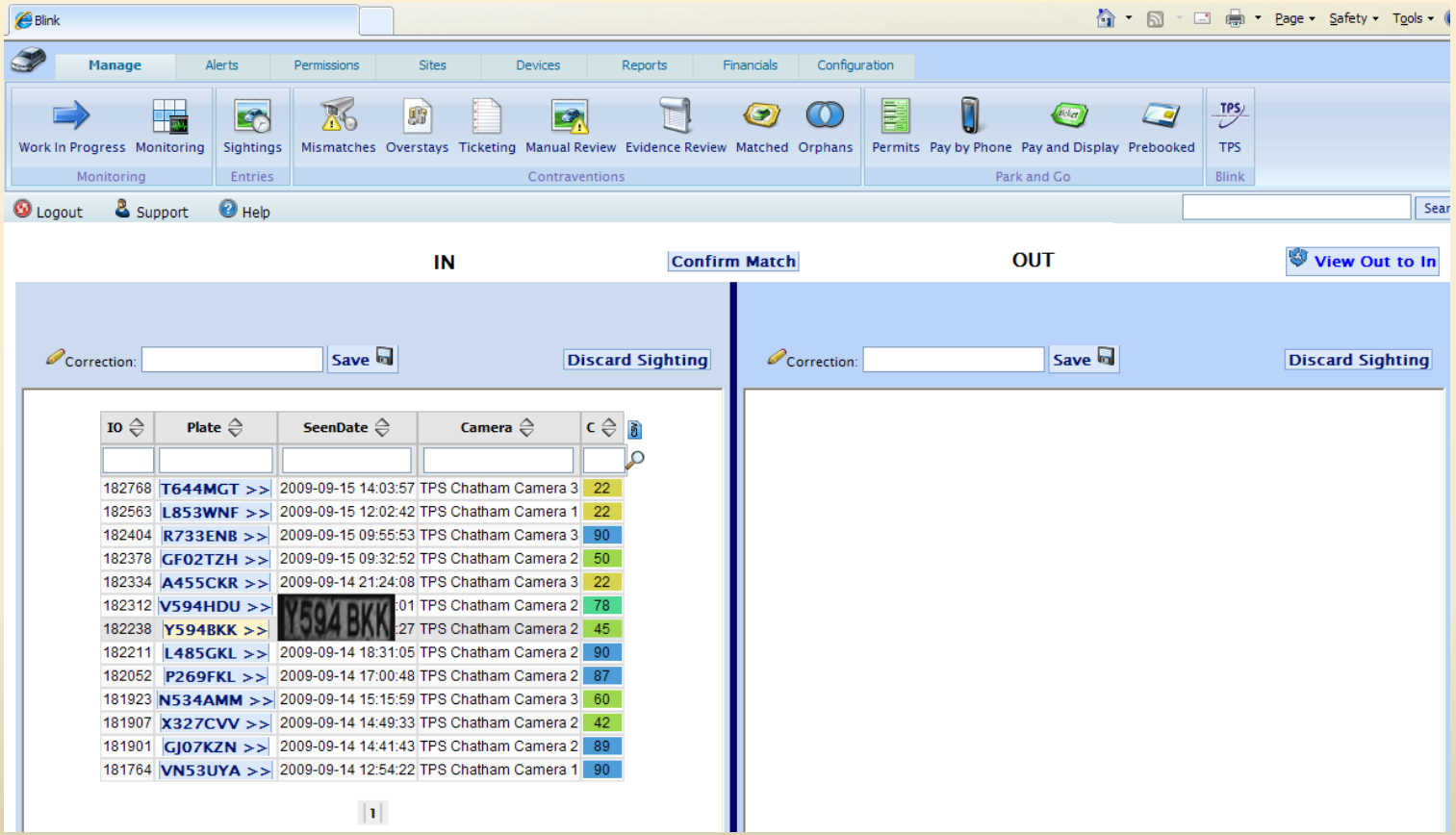
X: 60 Minutes Y: Minutes

☐ No Return within: Minutes

PCN Level 40 60 100

Permit No

MISMATCHES - % ACCURACY CHECKS!



AUTOMATIC NUMBER PLATE RECOGNITION

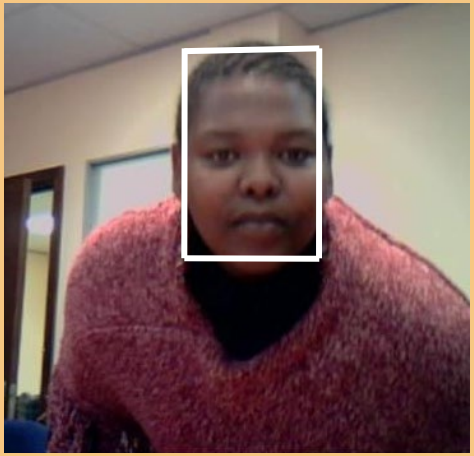
- Accuracy is everything
- 10% inaccuracy on 100,000 vehicles will mean 10,000 vehicles to check manually!
- Most offered systems in South Africa achieve less than 80% accuracy rates.
- You need the right ANPR cameras and correct software.

A STRUCTURED PLAN

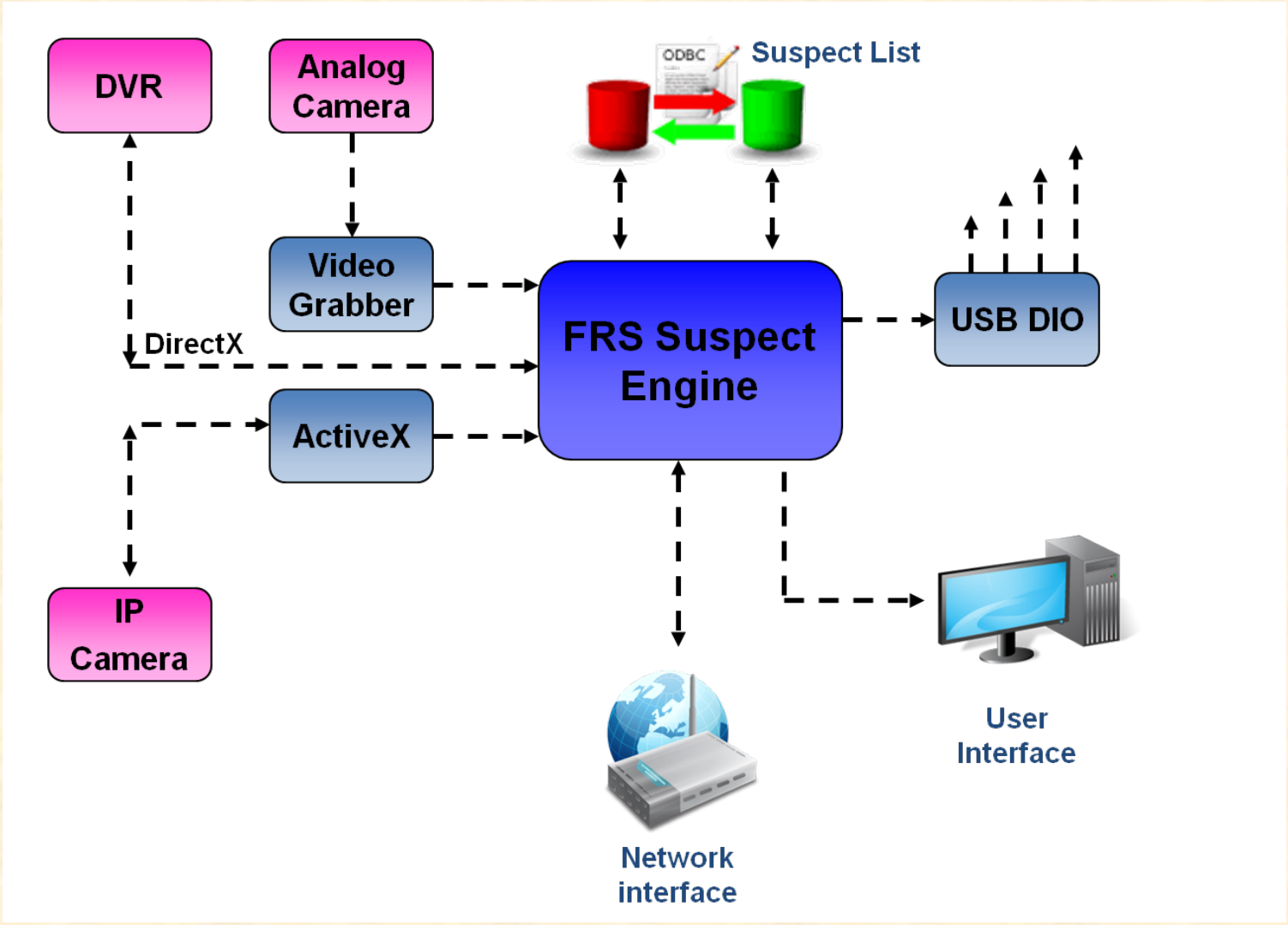
- Capture Licence Plates to alert against Black list
- Compare Plates against central database
- Capture a face to compare against database
- Confirm face against face blacklists
- Capture Licence Plates to alert against white list
- Provide white list clients with incentives to shop
- Manage client from first entry to last exit.

FACIAL RECOGNITION SYSTEMS

ACCURACY OF READ?



FRS INTO SUSPECT DATABASES



CONSTANT FACE ACQUISITION

2. Image Storing

3. Batch Processing:
-Face Cropping
-Face Enrollment

1. Image Capturing

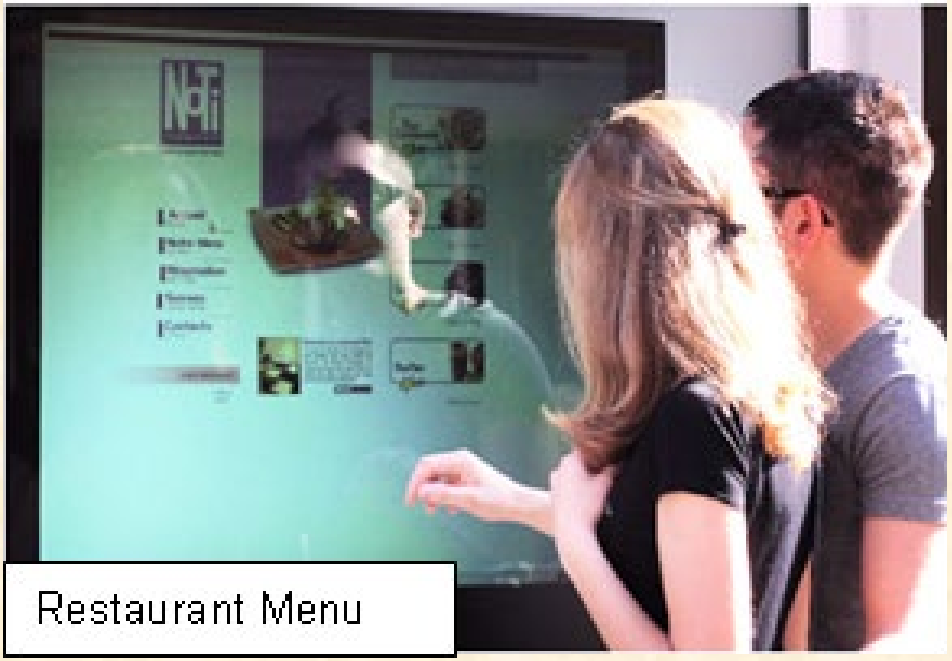
4/3/09 15:09
Lisa K.

4. Image Tagging:

5. Search Capabilities

VETRINA – 24/7 SHOPPING

VETRINA – TOUCH/LESS INTERFACE



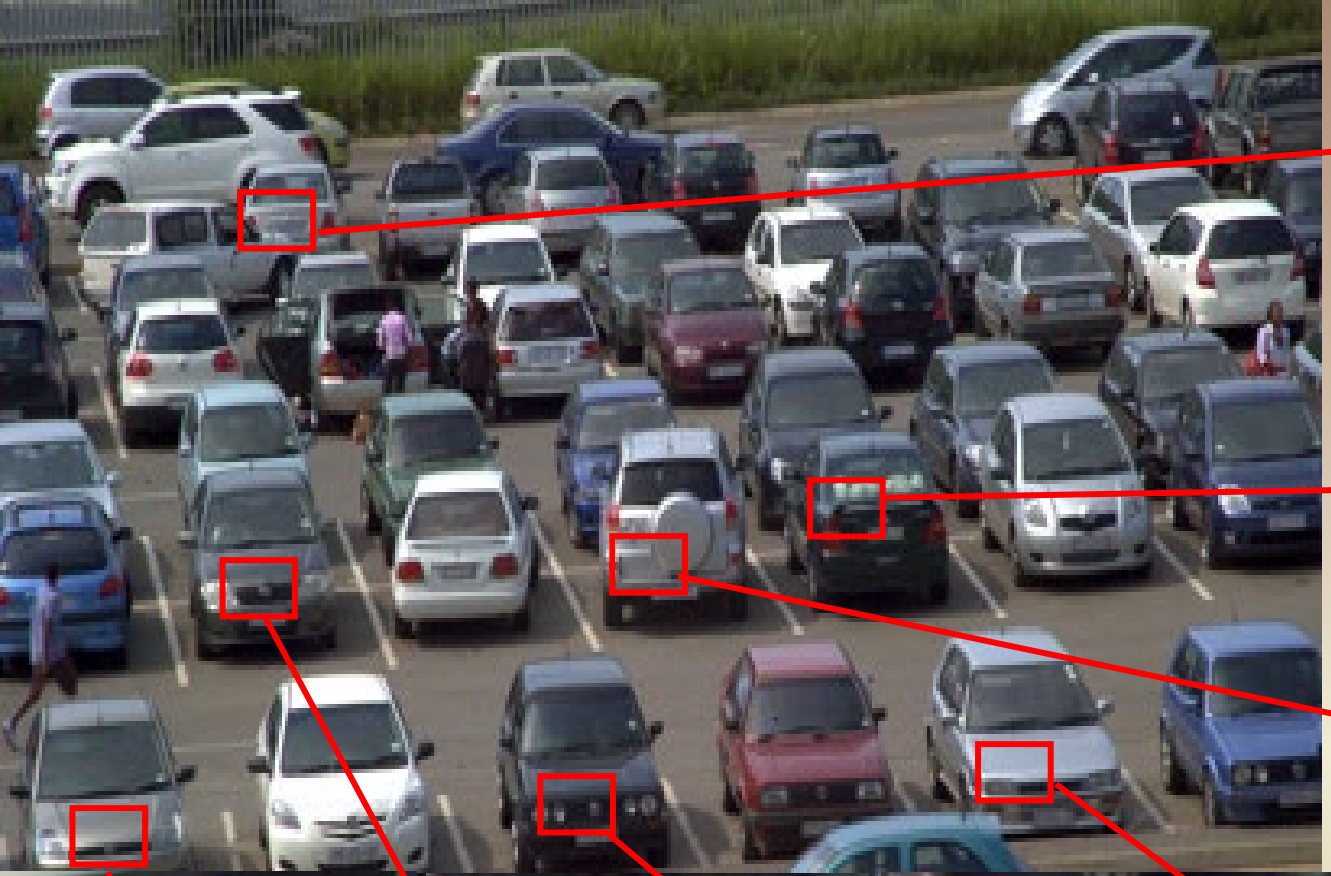
Restaurant Menu

Touchscreen interface

Place a camera behind the shop window and the display can interface to facial recognition for accurate sales and marketing information

ARECONT VISION - HIGH DEFINITION SURVEILLANCE

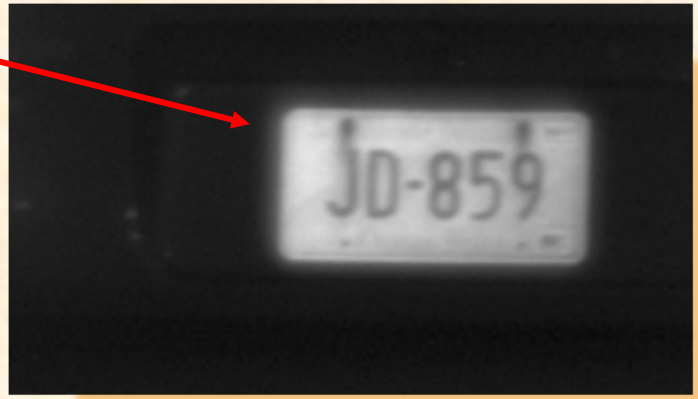
Accurate Face Snapshots from 40 meters



160 meters

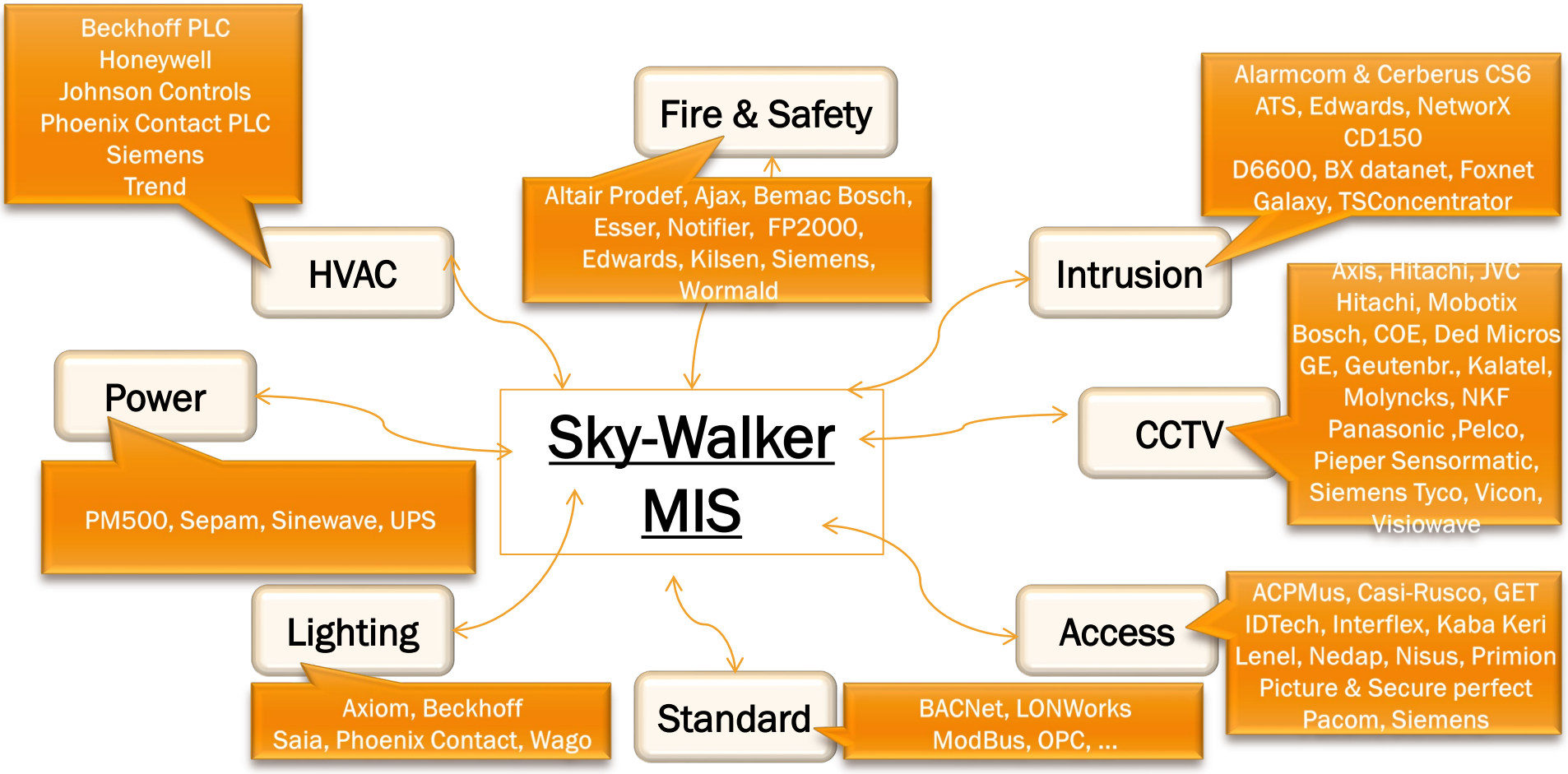
70+ meters

NIGHT TIME NUMBER PLATES



SKY-WALKER - MANAGEMENT INFORMATION SYSTEM

INTEGRATING ALL SYSTEMS INTO ONE



A TRUE OPEN ARCHITECTURE SOLUTION

END OF PRESENTATION

THANK YOU FOR YOUR ATTENTION

QUESTIONS ?