

# 360°

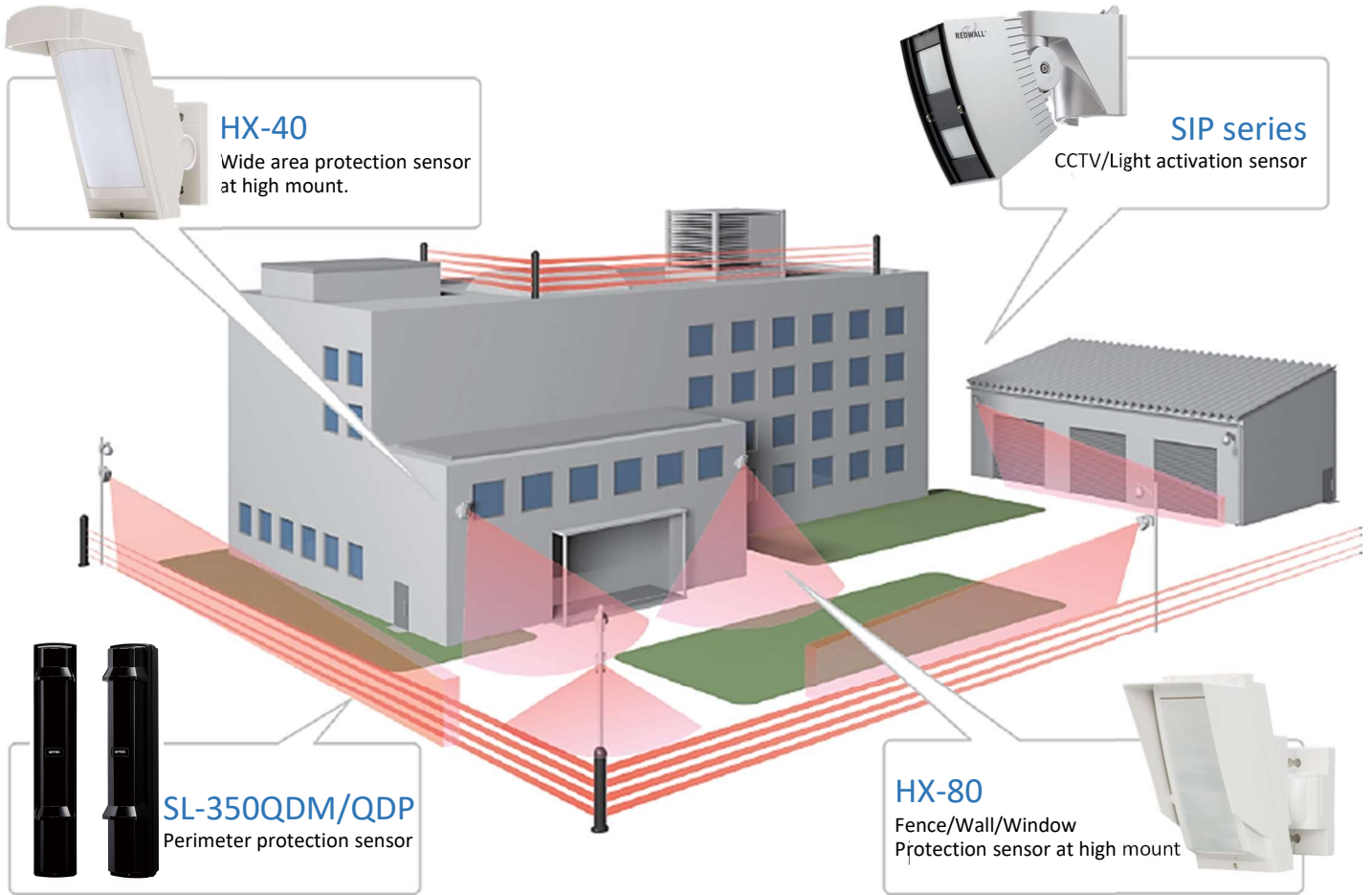
## Hardwired Detection System

**OPTEX, the leader in the world market share of the security sensors and systems for intrusion detection with over 39 years experience,** we has been trusted and received high marks of appreciation for the durability and reliability of quality detection technology by worldwide customer.

To increase the effectiveness of security system, OPTEX recommends not only securing the inside of the building but also adding surveillance to the perimeter area and boundary of the property. OPTEX has developed a system of enhanced outdoor surveillance that is capable of forestalling unauthorized entry into a building.

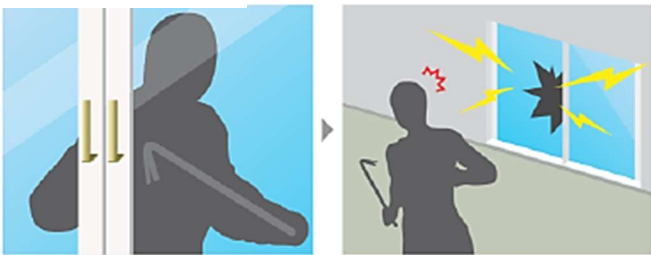
By integrating outdoor and indoor surveillance, this system creates a defense line incorporating three warning levels targeting the perimeter of the property, the boundary of the building, and the indoor area. As a result, we can greatly strengthen and improve crime prevention.

# COMMERCIAL/INDUSTRIAL

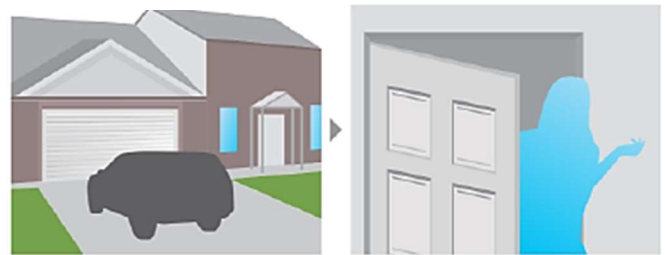


# SOLUTIONS

## INTRUDER ALARM



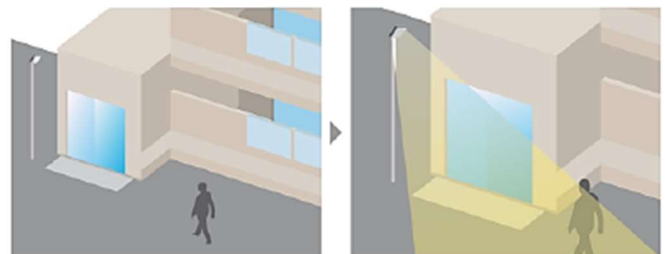
## DRIVEWAY ALERT



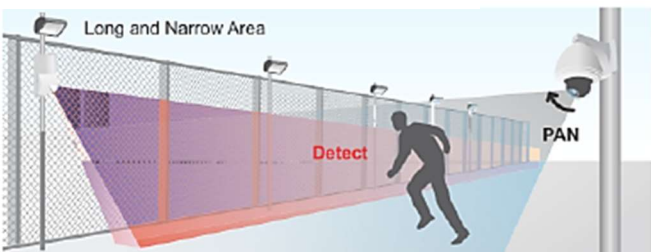
## SAFETY ALERT



## LIGHTING TRIGGER



## PTZ camera control and DVR recording



## WARNING ALERT



# SOLUTION BY PIDS – Increasing Security costs

1. Problem : **Increasing Security costs**

2. Solution : Case Study example

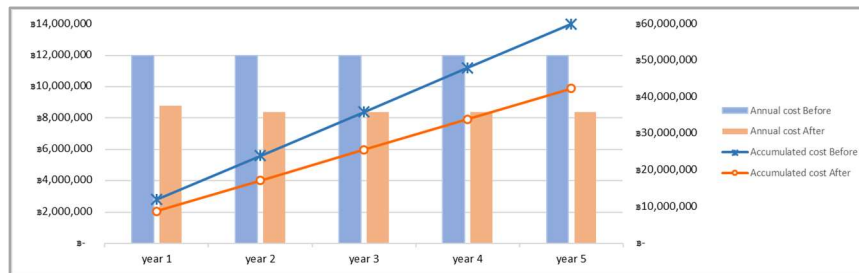
|        | Item  | Expense      |
|--------|---|--------------|
| Before | Necessary security guard power (Day shift + 24/7 shift) | 50 guards    |
|        | Security guard cost (฿ 20,000/guard/month)              | ฿ 1,000,000  |
|        | Security guard cost (year)                              | ฿ 12,000,000 |



|         | Item                                       | PIDS                       | PIDS added to existing CCTV |
|---------|--|----------------------------|-----------------------------|
| After   | Necessary security guard power             | 40 guards (20 % reduction) | 35 guards (30 % reduction)  |
|         | Security guard cost (฿ 20,000/guard/month) | ฿ 800,000                  | ฿ 700,000                   |
|         | Security guard cost (year)                 | ฿ 9,600,000                | ฿ 8,400,000                 |
| Compare | Difference of Security guard cost (year)   | - ฿ 2,400,000              | - ฿ 3,600,000               |

## Cost simulation

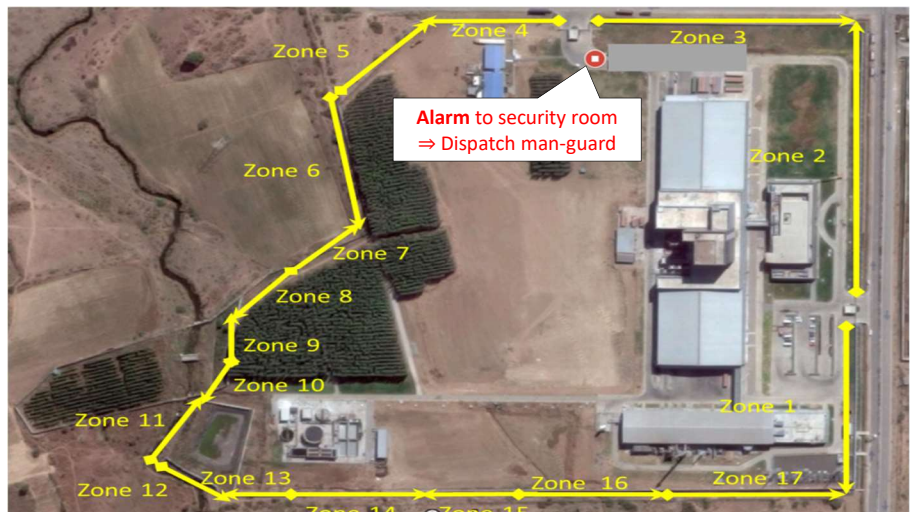
- PIDS added to existing CCTV case -



| Item                        | Before/After | Security No. | year 1       | year 2       | year 3       | year 4       | year 5       |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Annual cost                 | Before       | 50           | ฿ 12,000,000 | ฿ 12,000,000 | ฿ 12,000,000 | ฿ 12,000,000 | ฿ 12,000,000 |
|                             | After        | 35           | ฿ 8,800,000  | ฿ 8,400,000  | ฿ 8,400,000  | ฿ 8,400,000  | ฿ 8,400,000  |
| Accumulated cost            | Before       | 50           | ฿ 12,000,000 | ฿ 24,000,000 | ฿ 36,000,000 | ฿ 48,000,000 | ฿ 60,000,000 |
|                             | After        | 35           | ฿ 8,800,000  | ฿ 17,200,000 | ฿ 25,600,000 | ฿ 34,000,000 | ฿ 42,400,000 |
| Accumulated cost difference |              |              | ฿ 3,200,000  | ฿ 6,800,000  | ฿ 10,400,000 | ฿ 14,000,000 | ฿ 17,600,000 |

\* All cost information is just an example and the actual cost varies according to site.

## Solution by PIDS





# OPTEX Hardwired Sensor



## AX-70TN/130TN/200TN/100TF/200TF

### SHORT RANGE / HARD-WIRED

AX-70TN:20m, AX-130TN:40m, AX-200TN:60m  
AX-100TF: 30m, AX-200TF:60m

#### [ FEATURES ]

- Selectable 4ch beam frequencies (AX-TF only)
- IP65 protection



## SL-200QN/350QN/650QN

### MIDDLE & LONG RANGE / HARD-WIRED

SL-200QN:60m  
SL-350QN:100m  
SL-650QN:200m

#### [ FEATURES ]

- Quad high power beams
- Sniper viewfinder
- IP65 protection



## SL-200QDP/350QDP/650QDP SL-200QDM/350QDM/650QDM

### ADVANCED / HARD-WIRED

SL-200QDP/200QDM:60m  
SL-350QDP/350QDM:100m  
SL-650QDP/650QDM:200m

#### [ FEATURES ]

- Quad high power beams
- Double modulation
- Sniper viewfinder
- IP65 protection (SL-QDM only)
- A.T.P.C. to optimize the beam power
- I.A.S.C. to optimize the transmitter and the receiver

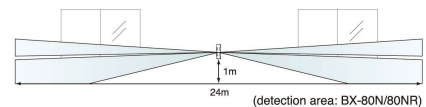


## BX-80N

### OUTDOOR DETECTOR FOR BUILDING PERIMETER

#### [ FEATURES ]

- Multiple detection pattern technology
- Limited detection range function
- Patented double conductive shielding
- Audible alarm function
- Advanced temperature compensation



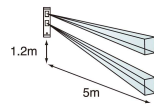
## FTN-ST

### COMPACT OUTDOOR DETECTOR

FTN-ST : 2PIRs standard model

#### [ FEATURES ]

- Intelligent AND detection logic
- Built in bracket (190° horizontal)
- 5m/2m switchable lens
- SMDA Logic



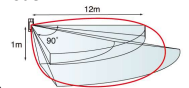
## VXi-ST

### MULTI DIMENSIONAL OUTDOOR DETECTOR

VXi-ST : 12m/90° battery operated model

#### [ FEATURES ]

- SMDA logic for temperature compensation
- Easy masking for over spill prevention



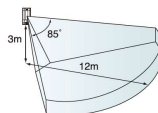
## HX-40

### HIGH MOUNT OUTDOOR DETECTOR

HX-40 : 12m/85° standard model

#### [ FEATURES ]

- Mounting height : 2.5 to 3m
- Intelligent AND detection logic
- Form C alarm output and tamper output



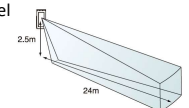
## HX-80N

### LONG AND NARROW RANGE HIGH MOUNT OUTDOOR DETECTOR

HX-80N : 24m/narrow standard model

#### [ FEATURES ]

- Mounting height : 2.5 to 3m
- Intelligent AND detection logic



## CX-702 (21m/45m)

### LONG RANGE PIR DETECTOR WITH SELECTABLE DETECTION PATTERN



## SIP-Series

### OUTDOOR DETECTOR / HARD-WIRED

#### [ FEATURES ]

- Mounting height up to 4m
- Reduction of false alarm
- Protection from vandalism



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