it is about you feeling **SAFE**

Security Basics

Agenda

- **Basics**
  - What is physical security?
  - What does it involve?
  - Goals of Security?
  - Objectives and how to achieve them?
- **Common Mistakes**
- **Other Considerations**

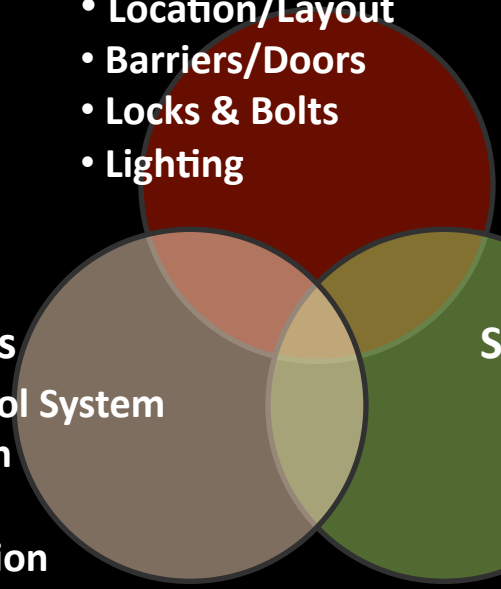
Basics

What is Physical Security?

"Physical Security means the physical measures designed to safeguard personnel, property, and information."

Basics

What does it Involve?



Architectural Features

- Location/Layout
- Barriers/Doors
- Locks & Bolts
- Lighting

Electronic Systems

- Access Control System
- Alarm System
- CCTV System
- Communication

Staff & Procedures

- Deployment
- Policies & Procedures
- Communications
- Training

Basics

Goals of Security

- Confidentiality
- Integrity
- Availability

Basics

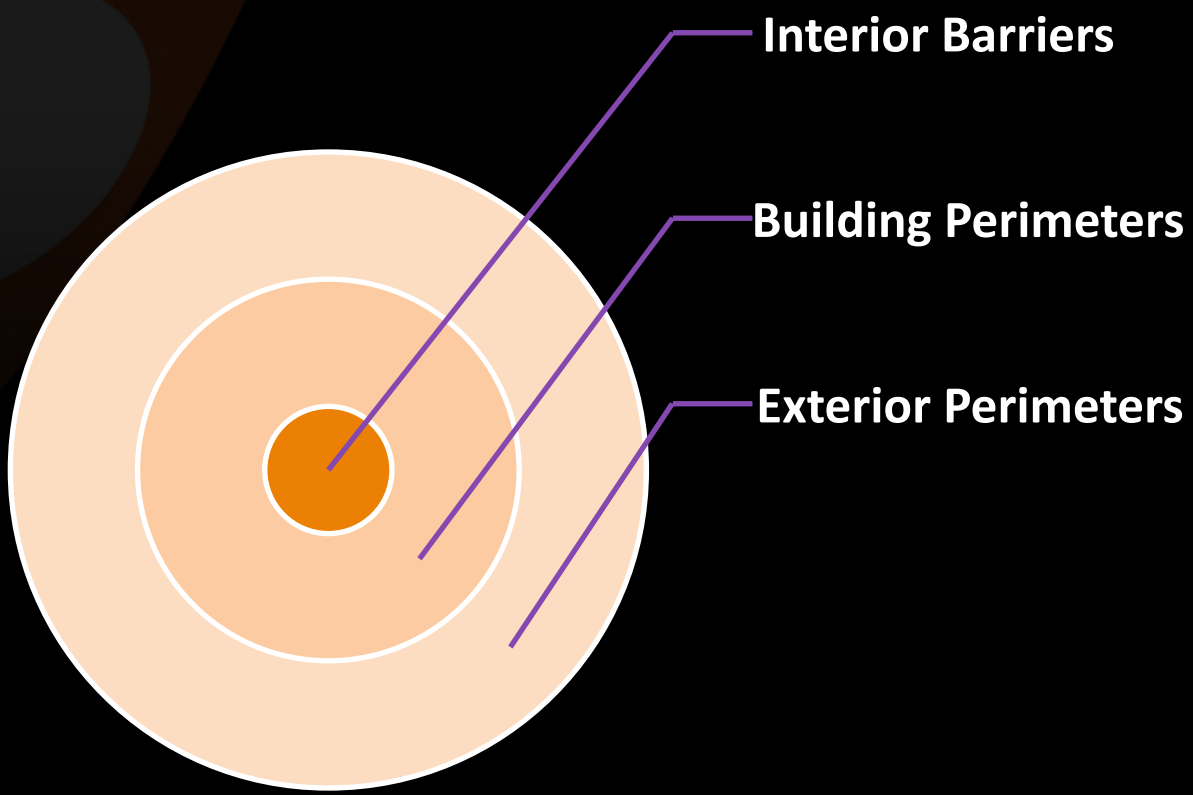
Objectives & How to Achieve them?

- Deterrence *(fences, guards, warning signs…etc)*
- Detection *(smoke detectors, motion detectors, CCTV…etc)*
- Delay *(locks, security personnel…etc)*
- Response *(emergency response processes…etc)*

  - **Protection in Depth**
  - **CPTED**
  - **Risk-based Approach**

Basics

Protection in Depth



Basics

Property Protection Perimeter

- Fences
- Access Control
- Intrusion Detection
- Response Forces

Basics

CPTED- Crime Prevention Through Environmental Design

"The proper design and effective use of the built environment can lead to a reduction in the fear of crime and the incidence of crime, and to an improvement in the quality of life."

Basics

CPTED planning has 3 main strategies:

- Natural Access Control *(The guidance of people entering/ leaving a space by placement of doors, fences, lighting, landscaping) bollards, security zones, access barriers, natural access control*
- Natural Surveillance *(Physical environmental features, personnel walkways, and activity areas to maximize visibility)*
- Territorial Reinforcement *(Physical designs that highlight area of influence and give owners sense of ownership)*

Basics

Risk-Based Approach

- Audit of existing security strategies
- Threat assessment *(including power/water/gas protection, HVAC, fire detection, evacuation, environmental monitoring)*
- Identification of vulnerabilities
- Formulation of strategies & recommendations

Basics

Recommendations

- Practicality
- Cost-Effectiveness

Common Mistakes

- Putting security before lives.
- Not knowing what is at risk.
- Low staff awareness of policies & procedures.

Common Mistakes

The 4 questions

- Most clients ask the question:
  - ‘How should I protect?’
- More important is to ask first:
  - Why should I need protection?
  - How difficult will it be to protect?
  - What and against who should I protect?
- Then

Other Considerations

- Safety first.
- Integrate with client operation.
- Raise staff awareness.
- Periodic review & continuous improvement.