The Culture and Infrastructure for Security
29th January 2010, Chennai

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Johnson Controls: providing a more comfortable, safe and sustainable world

Building Efficiency

Creating quality indoor environments that are energy efficient, comfortable and safe

Power Solutions

Providing the highest quality, lowest cost automotive batteries to help customers power the vehicles of today and tomorrow

Automotive Experience

Delivering world-class technologies that differentiate vehicle interiors and increase consumer demand

2009 Fortune ranking 58; 125 years leadership in building solutions.

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Impact of Security Breach

A. " Stock Exchange Building"

- Down time of 1 hr costs transaction worth Rs. 5000 Crores!
- Reputation of India and Financial system lost!
- Business continuity takes 2 more days / 48 hours!!

B. " Leading Sea Port"

- Rs. 500 Crores of operational loss in a Day!
- Reputation of port and subsequent loss of business!

C. " Leading Hotel"

- Rs. 1500 Crores of impact loss in an "event"!
- Cascading impact on tourism industry and series of projects initiated across the group.

> **Lack of adequate security is expensive**

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Comprehensive Security Framework – 6 dimensional model

Background checks of
employees and visitors

Response to a
threat, emergency
or security breach.

Life and property
security

**Personnel
Background**

**Crisis
Management**

**Physical
Security**

Safety and Security

**Operational
Safety**

Fire Safety

Specific industry
related operational
safety matters.

**Information
Security**

Fire Detection and
Alarm

Network and Data
Security

Threat Assessment and Solutions

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Organizational Security Maturity Level

Positioned well to prevent breach and excellent response mechanisms in place

Active enterprise wide holistic security program with drills and tech refresh.

Holistic awareness of security and some solutions in place.

Some perception of security, no major steps for deterrence or detection.

Negligible focus on security.

Assert

Active

Alert

Aware

Absent

Level 4

Level 3

Level 2

Level 1

Level 0

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Threat Levels and Business Impact on Potential Breach

Level 1 — **Minor** — Disruption to business, no major threat to life or personnel well being.

Level 2 — **Major** — Major impact on business continuity and potential for physical or emotional well-being of personnel.

Level 3 — **Disaster** — Serious threat to entire business's existence and/or life threatening.
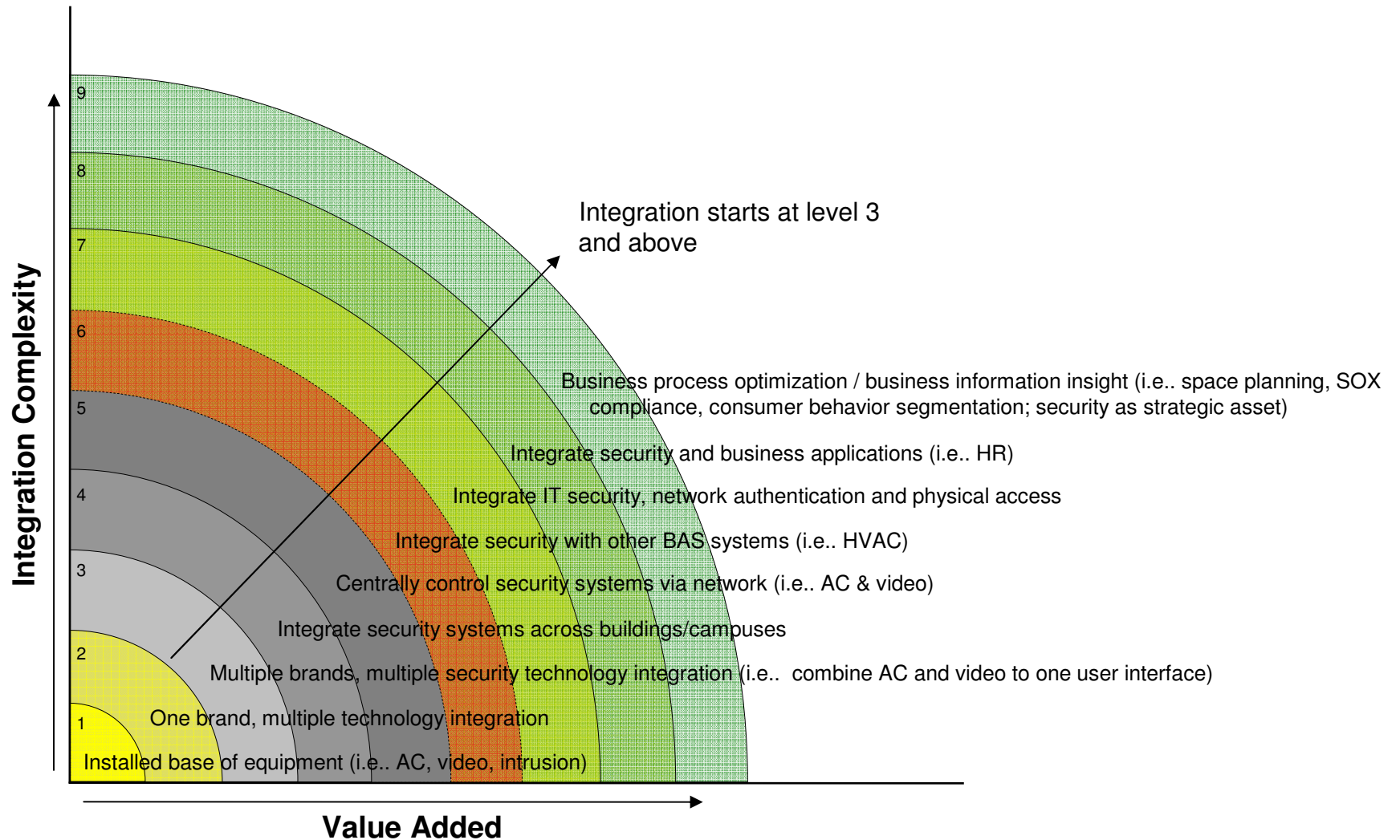
Determining threat levels:

➢ Each dimension of organizational security has a particular threat level from a type of breach.

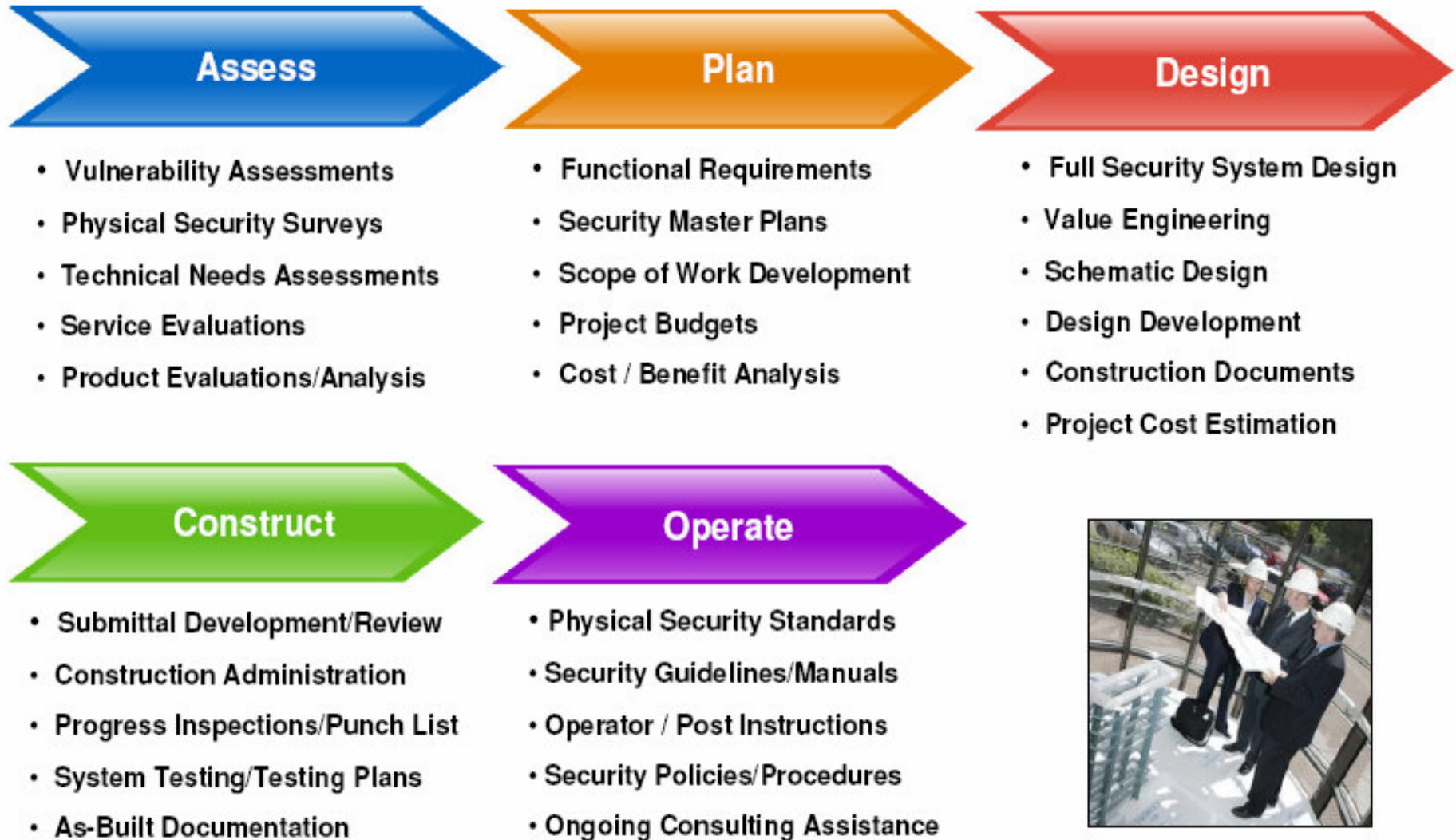➢ Composite organizational threat is the highest threat level from any dimension.

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Culture of Security

Education

Policies & Processes

Technology & Systems

Compliance and Monitoring

Ecosystem Integration

Safe & Secure Environment

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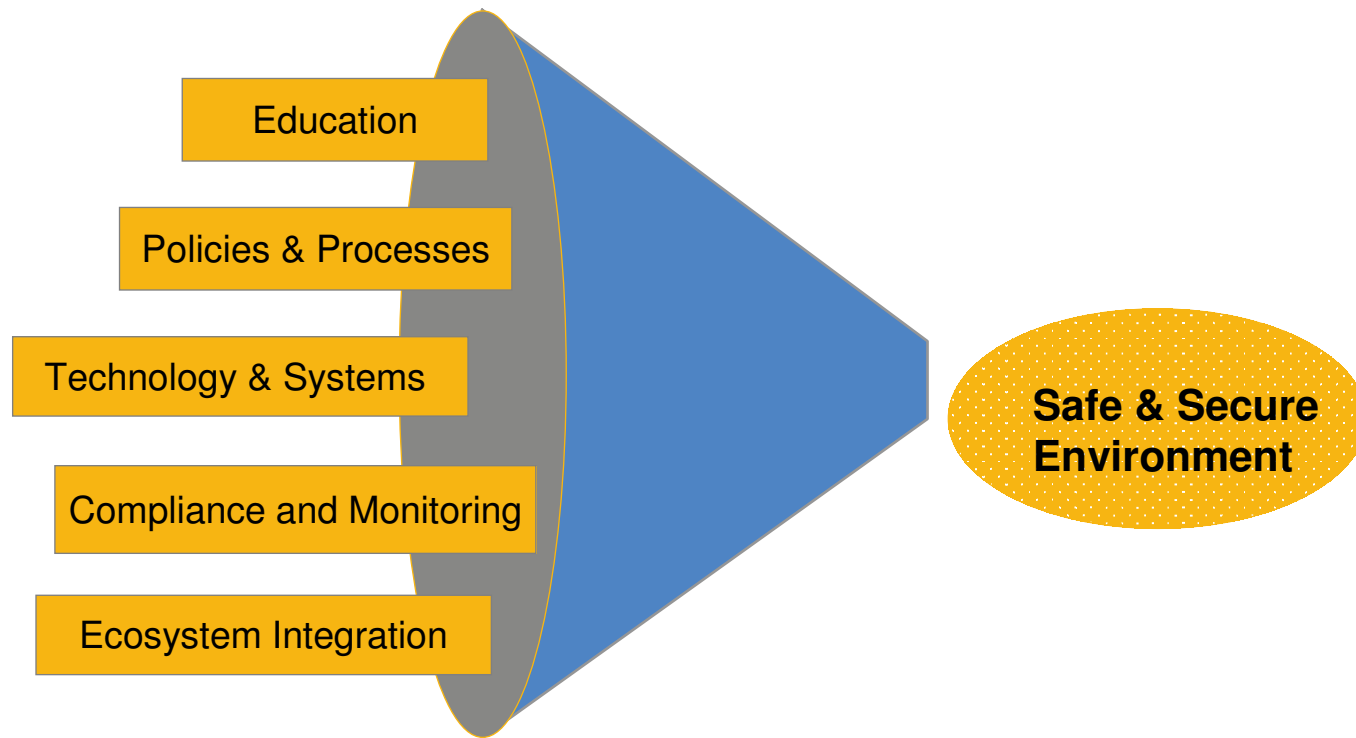
Security Systems Build-up

Integration Complexity (y-axis)

Value Added (x-axis)

Levels 1–9

Integration starts at level 3 and above

Business process optimization / business information insight (i.e.. space planning, SOX compliance, consumer behavior segmentation; security as strategic asset)

Integrate security and business applications (i.e.. HR)

Integrate IT security, network authentication and physical access

Integrate security with other BAS systems (i.e.. HVAC)

Centrally control security systems via network (i.e.. AC & video)

Integrate security systems across buildings/campuses

Multiple brands, multiple security technology integration (i.e.. combine AC and video to one user interface)

One brand, multiple technology integration

Installed base of equipment (i.e.. AC, video, intrusion)

Note: AC is access control

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Security Implementation Methodology

Assess

- Vulnerability Assessments
- Physical Security Surveys
- Technical Needs Assessments
- Service Evaluations
- Product Evaluations/Analysis

Plan

- Functional Requirements
- Security Master Plans
- Scope of Work Development
- Project Budgets
- Cost / Benefit Analysis

Design

- Full Security System Design
- Value Engineering
- Schematic Design
- Design Development
- Construction Documents
- Project Cost Estimation

Construct

- Submittal Development/Review
- Construction Administration
- Progress Inspections/Punch List
- System Testing/Testing Plans
- As-Built Documentation

Operate

- Physical Security Standards
- Security Guidelines/Manuals
- Operator / Post Instructions
- Security Policies/Procedures
- Ongoing Consulting Assistance

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Physical Security Applications
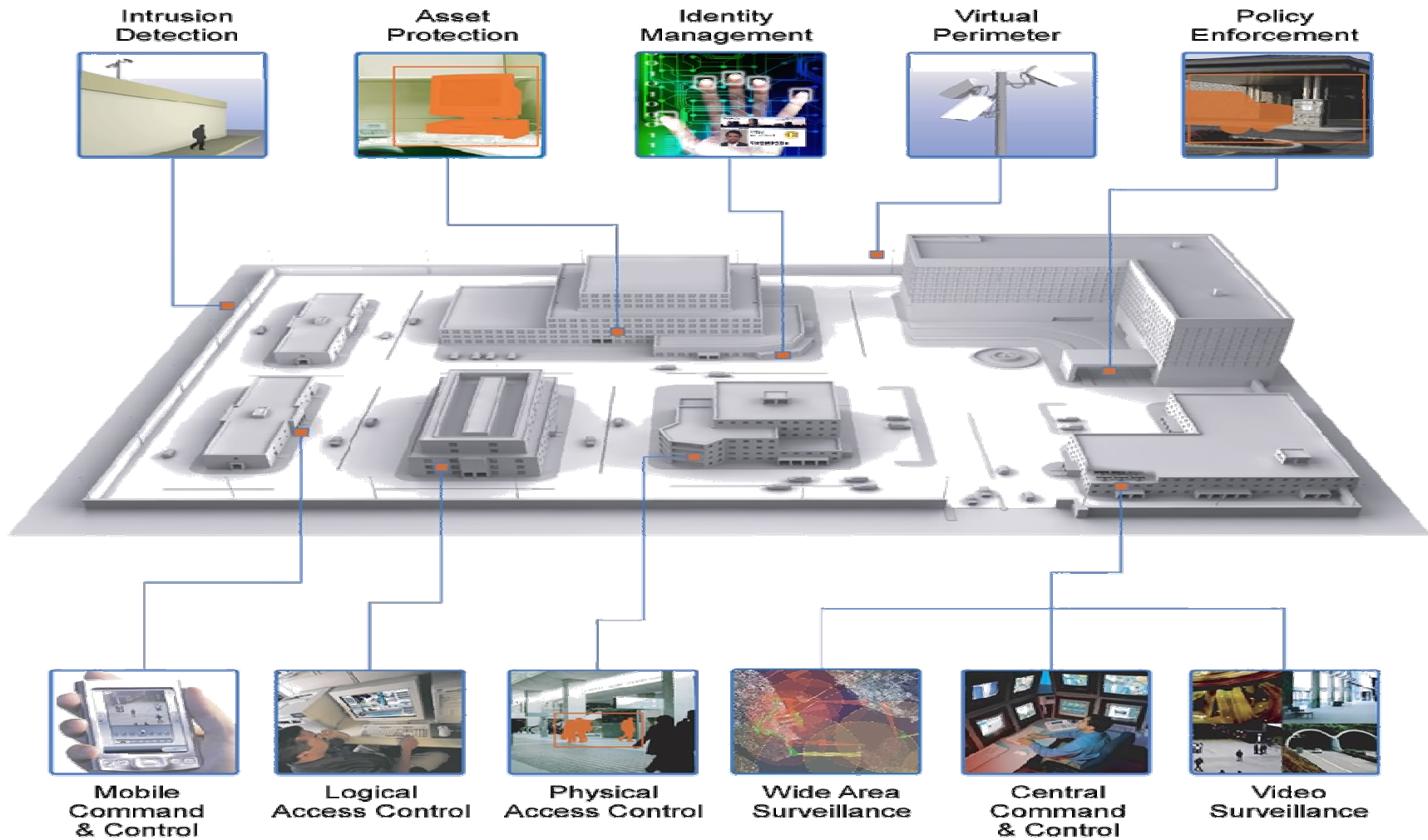
Summary

- Security is a serious business

- Security needs to be imbibed in every dimension of and organization's and facility's design and operations

- Security is comprehensive and pervasive

- Security needs a culture, infrastructure and prudent practice to be effective

- Security supports business sustainability

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Questions & Answers

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