Security Technologies

GREAT LAKES PARK TRAINING INSTITUTE
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Superintendent of Facility Services
Schaumburg Park District
Security

1. **state or feeling of safety:** the state or feeling of being safe and protected
2. **freedom from worries of loss:** the assurance that something of value will not be taken away
   - *job security*
3. **something giving assurance:** something that provides a sense of protection against loss, attack, or harm
   - *the security of knowing that the vehicle has been thoroughly checked*
4. **safety:** protection against attack from without or subversion from within
   - *a matter of national security*
5. **precautions to maintain safety:** precautions taken to keep somebody or something safe from crime, attack, or danger
   - *security measures*
6. **guards:** people or an organization entrusted with the job of protecting somebody or something, especially a building or institution, against crime
   - *If you don't leave, I'll call security.*
“There are so many sources of potential threats and so many points of vulnerability, no organization has the resources to provide 100% protection from all threats”

David Shephard
Head of Security – Venetian Hotel, Las Vegas
Big ‘Wynn’:
Digital to RFID Chips

Big is one word to describe new enterprise-wide security technology at Wynn Las Vegas. It’s probably the biggest fully digital video installment ever.

“First” is another descriptor. It’s the first 100 percent all-digital recording application approved by the tough-as-nails Las Vegas Gaming Control Board.

But “seamless, scalable integration” is the phrase that pays for Patricia Fischer, executive director of surveillance at the casino. Her installation has the advantages of digital security video, cash register integration, an open architecture platform approach, 2,000+ cameras, 4,000+ security/alarms points, RFID in casino chips and easy forward-growth to include one-day assimilation with electronic games such as slot machines.

According to Fischer, the process of selecting a systems integrator started over two years ago. With the anticipated continuous flow of VIP guests and visitors streaming through the doors of the hotel casino – compounded by plans to display priceless artworks by Picasso, Renoir, Cozanne and Van Gogh from Wynn’s personal collection – Wynn Design and Development set out on a search to find the systems integrator with the savvy and experience that would provide advanced systems capabilities for immediate as well as future needs.

Wynn selected North American Video (Brick, N.J.), one of the largest privately held security systems integrators, for the installation at the casino, as well as a Wynn resort in development in Macau, China.

Seamless integration is the jackpot for Patricia Fischer, executive director of surveillance at Wynn Las Vegas. Her installation has digital security video, cash register integration, an open architecture platform approach, 2,000+ cameras and 4,000+ security/alarm as well as plenty of room to grow.
NFPA

- NFPA 730
  GUIDE FOR
  PREMISES
  SECURITY

- NFPA 731
  STANDARD FOR
  THE INSTALLATION
  OF ELECTRONIC
  PREMISES
  SECURITY
  SYSTEMS
The purpose of the guide is to provide criteria for the selection of a security program to reduce security vulnerabilities.

The guide addresses other considerations that are essential for protection of occupants in recognition of the fact that security is more than a matter of having a security system.

The guide also addresses protective features and systems, building services, operating features, maintenance activities, and other provisions in recognition of the fact that achieving an acceptable degree of safety depends on additional safeguards to provide adequate protection for people and property exposed to security vulnerabilities.
Chapters 1-4

✓ Administration
✓ Referenced Publications
✓ Definitions
✓ General
  • Fundamental recommendation that security be based on a vulnerability assessment
  • Classification of Facilities
  • Reference to Standards
Chapter 5 – Security Vulnerability Assessment

- SEVEN STEP APPROACH
  1. Form a team of representatives from each area of the organization.
  2. Characterize the organization and the facilities to be protected. This involves identifying the assets, property, people, information and products to be protected.
  3. This step also includes reviewing and identifying the layers of protection currently in place.
Chapter 5 – Security Vulnerability Assessment (CON’T)

4. Conduct a threat vulnerability analysis to identify actual and potential threat scenarios and estimate the relative security risk level.

5. Define specific countermeasures to address the areas of vulnerability identified in the threat assessment and vulnerability analysis.

6. Taking the counter measures into account, assess the security risk reduction.

7. Document the findings and recommendations and track the implementation.
Chapter 6 – Exterior Security Devices

- Physical barriers (fencing)
- Protective lighting (recommendations for outdoor protective lighting levels)
- Walls, floors, ceilings.
- Ironwork
- Glazing materials
- Passive Barriers (planters, bollards, etc.)
- Electronic perimeter protection
Chapter 7 – Physical Security Devices

- Locking hardware
- Controlled access
- Doors
- Windows
- Security vaults
- Strong rooms
- Safes
Chapter 8 – Interior Security Systems

- Area designations
- Sensors
- Intrusion detection systems
- Video surveillance
- Holdup, duress, and ambush
Chapter 10 - Security Planning

- Elements of a security plan
- Supporting information
- Components of a contingency plan
- Benefits of a security plan
- Planning for terrorism
- Homeland security advisory system
- Pre-employment screening
The Corner Stone Of Any Security System Is The Key System

- OLD TECHNOLOGY
- NEW TECHNOLOGY
OLD TECHNOLOGY

NEW TECHNOLOGY

**FUNCTIONS**

<table>
<thead>
<tr>
<th>Function &amp; Step</th>
<th>Description</th>
<th>Locked/Unlocked</th>
<th>Locked by</th>
<th>Unlocked by</th>
</tr>
</thead>
<tbody>
<tr>
<td>JS-Entry</td>
<td>- Making inside lock, or - Making outside lock, open, or closed. - Turning key in outside lock.</td>
<td>Cannot be locked</td>
<td>Always unlocked</td>
<td>Always unlocked</td>
</tr>
</tbody>
</table>
Key Control

✓ Non duplicate able keys
✓ Sign for all keys.
✓ Separate out areas
✓ Computer control systems
Keypad/swipe Card Uses

- Mechanical rooms
- IT – server rooms
- Counting rooms
- Storage rooms
- Sprinkler rooms
- Records areas
- Kitchens
Burglar/fire Alarms

- Wireless
- Digital
- Immediate response
- Addressable systems
- Monitor other parts of buildings
- Temperature
- Ambush
- Distress
- Intra building communication
- Area’s of rescue assistance
Lighting Systems

Graphical Overview

1a. A standard or cellular telephone may be used to send commands to the Remote Control Units (RCU).

1b. Automation of the ARC-10 system is achieved by the utilization of SkyLogix’s ControlStation™ software installed on a PC at the customer’s site or via Web Access.

2. The RCU commands are sent over standard telephone lines from any telephone/cess or computer modem to a SkyLogix wireless service provider.

3a. The commands are received wirelessly and processed by the RCU’s on-board computer. Then, at the appropriate data and times dictated by the commands, the RCU switches power (on or off) to the independent zones of sports lighting, parking lot or security lighting, or other electrical equipment controlled by the RCU.

3b. The RCU includes switches (Off-Auto-On) which are capable of controlling the zones directly if manual control is desired.

4. The optional keypad allows for user confirmation and user tracking. This functionality ensures that sports lighting is only ON when scheduled users are at the site, and also tracks who used the lights, when used and for how long. This information can then be utilized for light billing, asset management, or managerial information purposes.

SkyLogix

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Lighting (CON’T)

- Control of usage
- Control of field/lot/park
- Billable hours
- Electricity is an asset, and an expensive one
Fuel Systems

- Control pilferage
- Cost allocations
- EPA compliance
Ranger Reports

- Information is documented as it happens
- Problems are reported immediately
- Records are kept and accessible for future reporting
- Park usage is documented
- Trends are documented
Trends & Reports

- Statistical reports
- By season
- By park
- By incident
- Maintenance problems
CCTV

- Placement
- Style
- Concealed
- Recorded
- Tape or digital
- Wireless
- Color, infrared, b&w
- Network driven or stand alone
CCTV – Coverage

- Parking lots
- Unsupervised areas
- IT Rooms
- Mechanical rooms
- Locker rooms
- Hallways
- Entrances
- Cash registers
- Pools
- High risk areas
Beware!

Access to your patron data base.
Cell phone
Palm pilots
Video cameras
Credit cards
QUESTIONS!
THANK YOU