

# RISK MANAGEMENT AND BUSINESS SECURITY

*(OR... HOW TO DETERMINE HOW MUCH YOU  
SHOULD SPEND ON SECURITY, WHAT YOU SHOULD  
SPEND IT ON, AND WHY)*

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**WHO IN THE ROOM MAKES  
IMPORTANT BUSINESS DECISIONS  
BASED SOLELY ON WHAT AN  
OUTSIDE VENDOR  
TELLS YOU TO DO?**

# WHAT DO WE NEED TO PROTECT?

1. LIFE AND LIMB. EMPLOYEES, CLIENTS, VISITORS... **ALWAYS #1.**
2. IRREPLACEABLE BUSINESS DOCUMENTS. PATENTS, TRADE SECRETS, HR RECORDS.
3. ASSETS. REAL PROPERTY, LIQUID ASSETS
4. ROUTINE BUSINESS DOCUMENTS
5. BUSINESS CONTINUITY



# WHAT RISKS SHOULD WE CONSIDER?

- EXTERNAL CRIME – THEFT, TRESSPASSING, VANDALISM
- WORKPLACE VIOLENCE
  - TYPE I: EXTERNAL
  - TYPE II: CLIENT ON WORKER
  - TYPE III: EMPLOYEE ON EMPLOYEE (INCLUDED BULLYING AND HARASSMENT)
  - TYPE IV: DOMESTIC VIOLENCE IN THE WORKPLACE
- INTERNAL THEFT- PHYSICAL AND INTELECTUAL ASSETS
- EMPLOYEE SABOTAGE
- SUBSTANCE ABUSE
- ASSOCIATED RISKS
  - REGULATORY (FAA, C-TPAT, CFATS)
  - LITIGATION AVOIDANCE
  - SAFETY

# **ASSET + RISK = RISK SCENARIO**

- LIST OUT ALL THE ASSETS THAT NEED TO BE PROTECTED
- LIST OUT ALL POTENTIAL THREATS TO EACH OF THOSE ASSETS, NO MATTER HOW BIG OR SMALL
- LIST OUT ALL SECURITY MEASURES CURRENTLY IN USE



# SO... NOW WHAT?

- WHAT DO WE DO?
- WHAT SHOULD BE A PRIORITY?
- WHAT EFFORTS ARE OF VALUE?
- WHAT IS A WASTE OF TIME AND MONEY?
- WHAT BUSINESS CASE IS THERE FOR A SECURITY EXPENDITURE?
- WHAT IS THE REWARD VS. THE HEADACHE?

**OR DO WE JUST HOPE THE VENDOR KNOWS WHAT THEY ARE DOING?**

# ASSESS RISK IN EACH RISK SCENARIO

RISK IS DEFINED AS A FUNCTION OF THREE COMPONENTS

- **THREAT** HOW LIKELY IS IT THAT SOMEONE ATTEMPT IT?
- **VULNERABILITY** WILL THEY BE SUCCESSFUL AGAINST OUR *CURRENT* COUNTERMEASURES?
- **CONSEQUENCE** HOW WILL IT DAMAGE US AND TO WHAT DEGREE?



# RISK MATRIX

THREAT

1- EXTREMELY LOW

2- LOW

VULNERABILITY

3- FAIR

4- HIGH

CONSEQUENCE

5- EXTREMELY HIGH

ADD VALUES AND DIVIDE BY 3 FOR AN AVERAGE

# **RISK SCENARIO: TYPE IV WORKPLACE VIOLENCE OCCURING IN OFFICE**

## **THREAT- 3 (FAIR)**

- 200+ MOSTLY FEMALE EMPLOYEES AVERAGE AGE 20-35.
- WORK 2 SHIFTS, 0700-2300 HOURS

## **VULNERABILITY- 4 (HIGH)**

- NO ACCESS CONTROL
- POOR LIGHTING
- AGED VIDEO SURVEILLANCE SYSTEM WITH NUMEROUS BROKEN CAMERAS

## **CONSEQUENCE- 5 (HIGH)**

- INJURY TO PERSON(S)
- LOST TIME AND PRODUCTIVITY
- LOST EMPLOYEES/RETRAINING COSTS
- PUBLICITY



# THE MATH

THREAT	3 (FAIR)
VULNERABILITY	4 (HIGH)
<u>CONSEQUENCE</u>	<u>5 (VERY HIGH)</u>
TOTAL =	12

$$12/3 = 4 \text{ (HIGH)}$$

- FOR THE RISK SCENARIO OF TYPE IV WORKPLACE VIOLENCE IN YOUR WORKPLACE, IS 4 (HIGH) AN ACCEPTABLE LEVEL TO YOU?
- MITIGATION IS AS SIMPLE AS FINDING WAYS TO LOWER THE NUMBERS IN EACH CATEGORY

# HOW DO WE LOWER THE RISK?

## PHYSISICAL SECURITY

DOORS AND WINDOWS

LOCKS

FENCING AND BARRIERS

LIGHTING

SIGNAGE

CPTED

## SECURITY TECHNOLOGY

ACCESS CONTROL

VIDEO SURVEILLANCE

INTRUSION

PANIC/LOCK DOWN

MASS NOTIFICATION

IT SECURITY

## POLICY AND PROCEDURE

CULTURE OF SECURITY

WRITTEN

CONSEQUENCES

ENFORCEABLE

ENFORCED

THESE AREAS ARE NOT EXCLUSIVE AND MUST BE DESIGNED TO WORK TOGETHER.

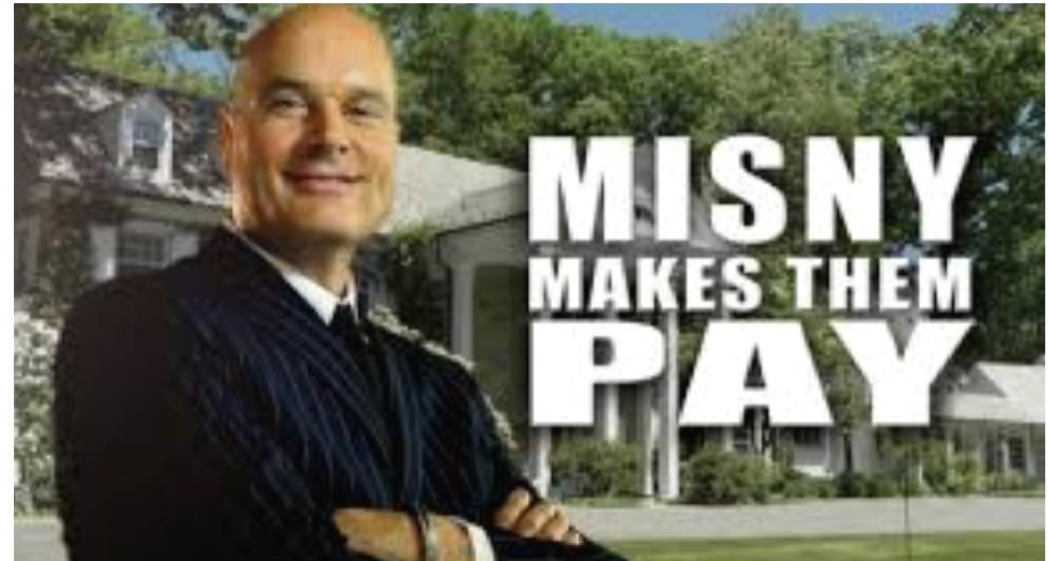


**DO NOT  
DO NOT  
DO NOT  
DO NOT  
DO NOT**

**INSTALL FAKE  
CAMERAS!**



**NOT UNLESS  
YOU WANT TO  
MEET THIS  
GUY.**





# ALMOST DONE...

- RISK ASSESSMENTS SHOULD BE ONGOING. MAINTAIN A SCHEDULE AND REEVALUATE UPON SIGNIFICANT BUSINESS CHANGES.
- MAINTAIN SYSTEMS
- UPDATE AND COMMUNICATE POLICIES AND PROCEDURES.
- INSTALL AND MAINTAIN A CULTURE OF SECURITY.