



*Integrated Security Solutions*

## *Re-Think What Security Means*

Federal Facilities Council  
Workshop  
18 November 2015  
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Condortech Services, Inc.

# What would you do...

right now....

if your electronic security system (ESS)  
was compromised?

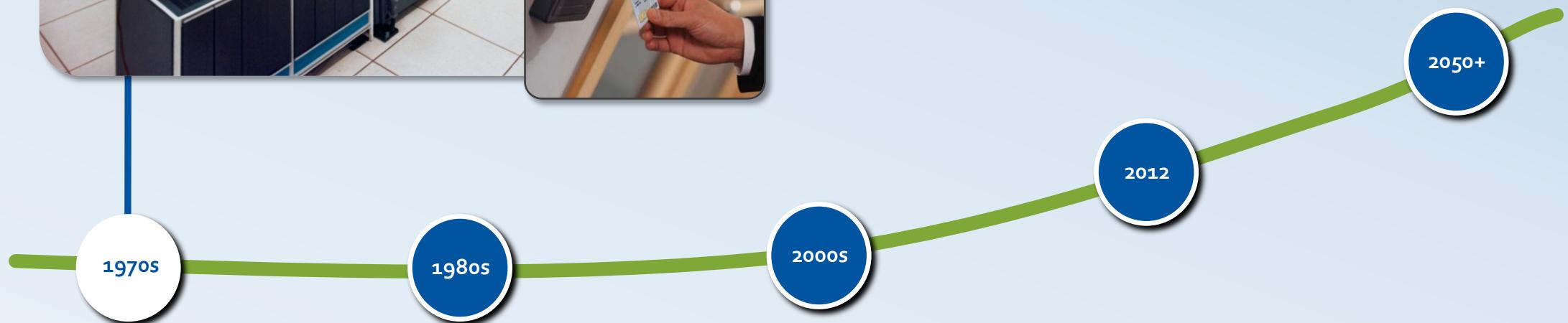


# Legacy Hardware vs Intelligent Hardware



- 30 year old Communication Protocols
- Embedded technology
- Wiegand Protocols
- Hard to Encrypt
- Meet Standards
- Slow Processing Speeds

- Fast Processing Speeds
- Smart Processors
- Memory Capacity
- Encryption Capabilities



# Plan Now and then Develop Birth of the Security Industry

Access Control | Video Surveillance & Video Management | ID Management Systems | Intrusion Detection

Data Center: NASA Gemini, ~1960s  
Reader: Flickr @IDenticardImages



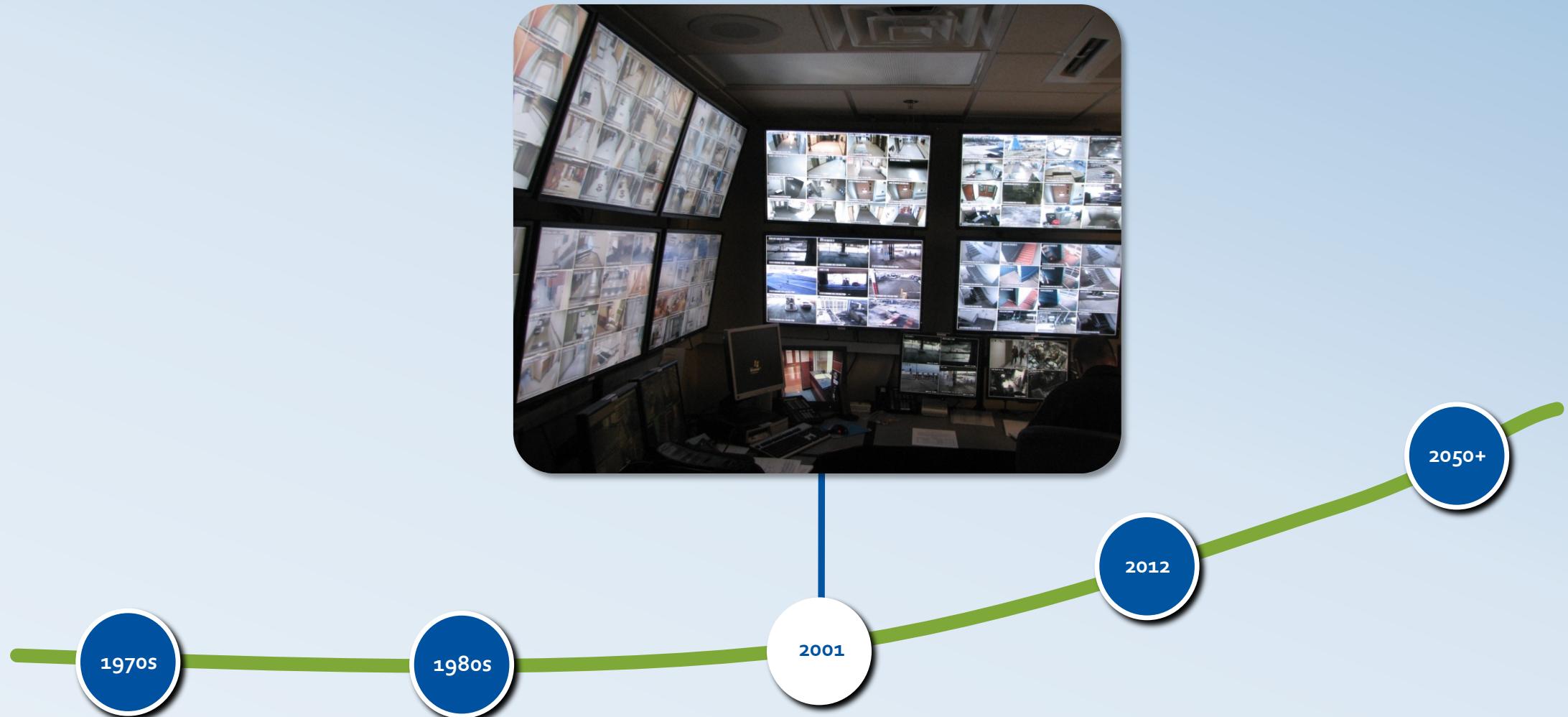


# Plan Now and then Develop Improvements in the Security Systems

Access Control | Video Surveillance & Video Management | ID Management Systems | Intrusion Detection

IBM 729v: Wikipedia  
Camera: Wikipedia





# Plan Now and then Develop Exponential Demand for More Data

Access Control | Video Surveillance & Video Management | ID Management Systems | Intrusion Detection

Source: Condortech Services





# Plan Now and then Develop More Integration

Access Control | Video Surveillance & Video Management | ID Management Systems | Intrusion Detection

Source: Condortech Services





# Plan Now and then Develop

## Are You Planning for the Future?

Access Control | Video Surveillance & Video Management | ID Management Systems | Intrusion Detection

Source: Flickr @IBM Research



- ESS Systems more vulnerable in high traffic of data
- Black Hats, Darknet and others
- What can happen to your ESS System if it has a “Stuxnet” type Virus?
- What can happen if your PSIM is attacked?
- What can happen if your IP camera is compromised?
- What can happen if we insert a USB to your NVR or DVR?

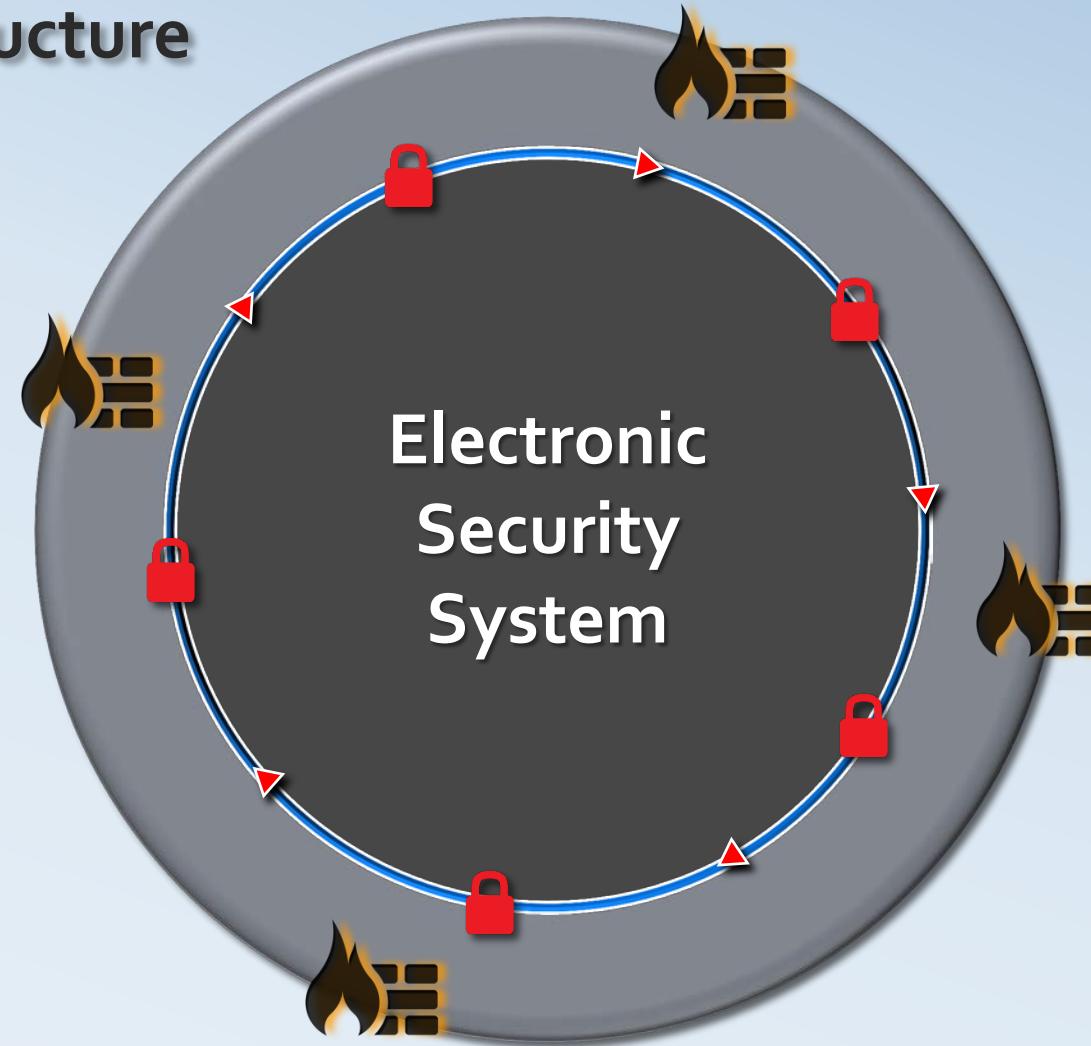
## Past, Present, and Your ESS Future

TIMEFRAME	ACTIVITY
0 – 6 m	<ul style="list-style-type: none"> <li>▪ Establish permanent security committee with <u>EVERYONE</u> represented</li> <li>▪ Develop working strategic and COOP plans</li> <li>▪ Inventory and Prioritize</li> <li>▪ Firmware, OS updates, Patches, etc.</li> </ul>
6 – 12 m	<ul style="list-style-type: none"> <li>▪ Finalize strategic and COOP plans</li> <li>▪ Implement priority items/controls</li> <li>▪ Test for vulnerability</li> <li>▪ White Hats</li> </ul>
12 – 18 m	<ul style="list-style-type: none"> <li>▪ Test newly implemented ESS Systems</li> <li>▪ Continue to implement using Intelligent Hardware</li> <li>▪ Remove sensors using embedded Technology</li> </ul>
18 + m	<ul style="list-style-type: none"> <li>▪ Iterate</li> </ul>

Create a New Culture of Collaboration



# IT Infrastructure



**CTS Cyber Threat Solutions**  
Seamlessly Integrating Hardware and Software

Access Control | Video Surveillance & Video Management | ID Management Systems | Intrusion Detection





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