Ten Secrets to
Success in Building
Automation System



Agenda

Introduction

- Institutional Perspectives
 - Why Develop BAS Standards
 - What is included in BAS Standards
 - Results
 - Lessons Learned

Summary: Top Ten Takeaways

Introduction

- BayCare Health System
- UF Health Gainesville
- UF Health Jacksonville

Why Develop BAS Standards?

What are the challenges to developing standards?

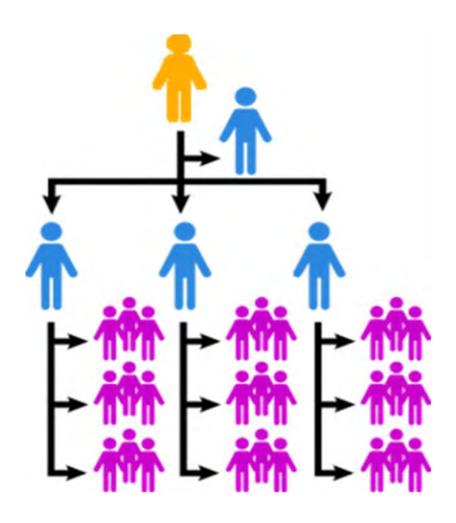
What is included in you BAS standards?

What are your lessons learned in developing these standards?

Ten Secrets:

- 1. People
- 2. Point Names
- 3. Data Strategy
- 4. Key Performance Indicators
- 5. Alarm Optimization
- 6. Open architecture / Network management
- 7. Training
- 8. Systems Integration
- 9. Fault Detection
- 10. Automated Testing

People



Reinventing FM Roles

Point Naming

s, add zeros in front of the number to achieve a 4-digit number. Reference the tables ler "Predefined Words and Indices" to compile each complete BAS control name. The n shall be: Facility.Building Number.Equipment/System/Location.Control_Point.

Level 1 Level 2 Level 3 Level 4

rol point, a dot (.) will act as the separation between each level. An underscore (_) will nts or systems and as a space filler for multiple words. For example, if multiple fan coil

+		
	Level 3 - Equipment and System Types	
	Name	Description
	AHU	Air Handling Unit
	В	Boiler
	CAV	Constant Air Volume Terminal Unit
	CH	Chiller
	CHW	Chilled Water Circuit
	CHWP	Chilled Water Pump
	CRAC	Computer Room Air Conditioning Unit
	CT	Cooling Tower

Level 4 - Point Legend		
Name	Description	
A	Alarm	
BP_DMPR	Bypass Damper	
CC	Cooling Coil	
CHW	Chilled Water	
CHWR	Chilled Water Return	
CHWS	Chilled Water Supply	
CLG	Cooling Mode	
DA	Discharge Air	
DMPR	Damper	
DP	Differential Pressure	
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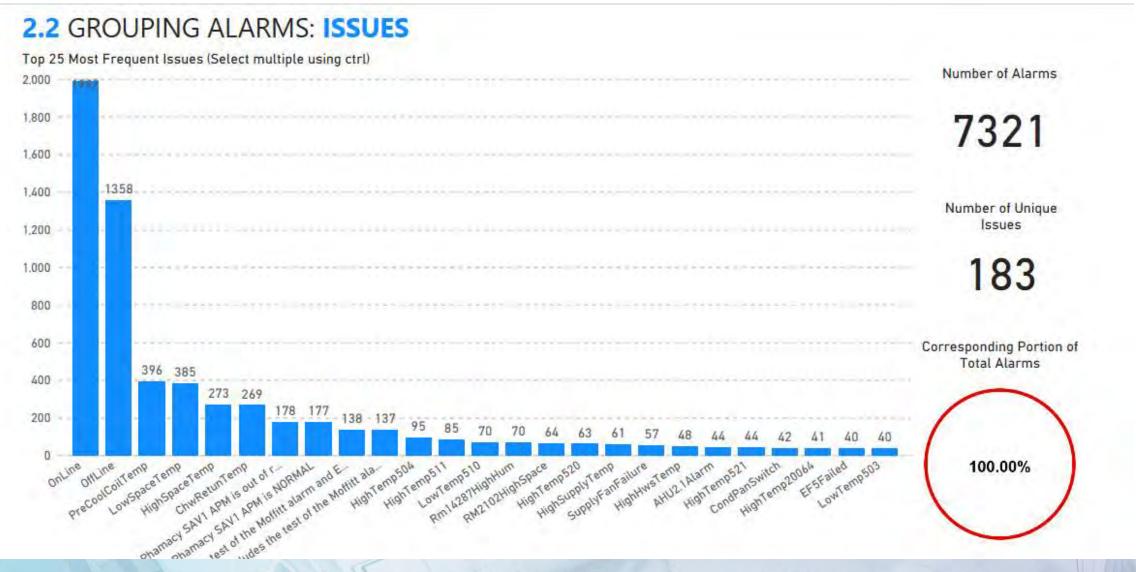
Data Strategy

• Long Term Data Storage

• Naming – Include Location, Hierarchy, Discipline

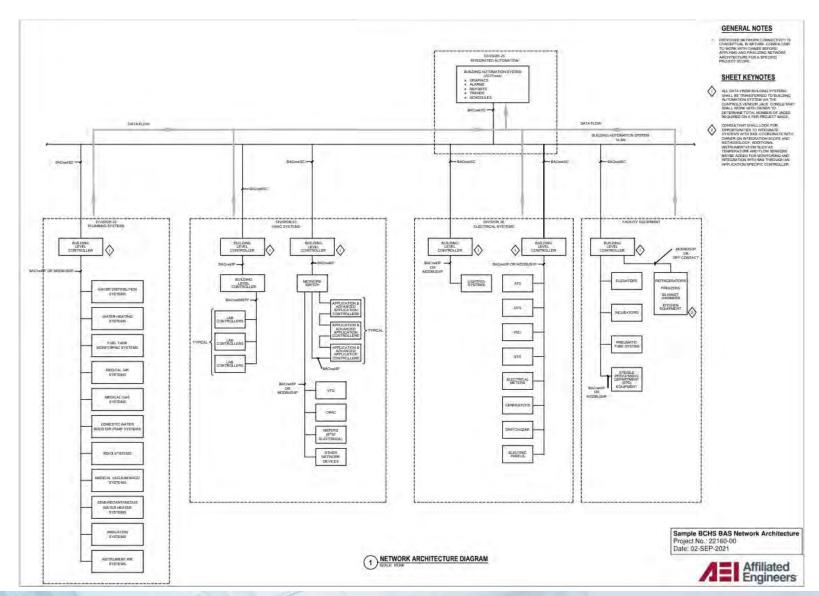
Tagging – Brick vs Haystack

Alarm Optimization



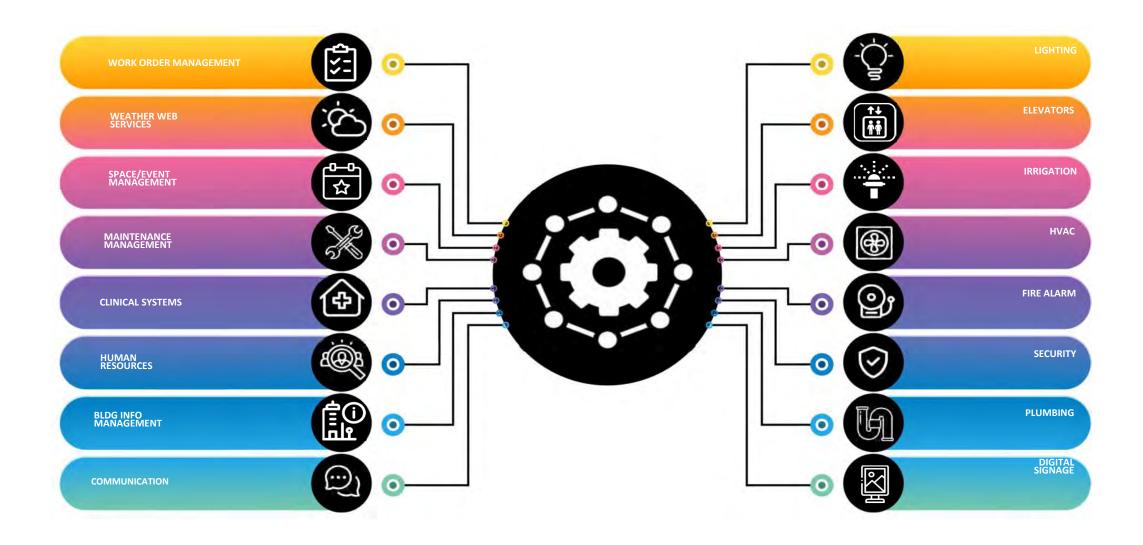
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Open Architecture

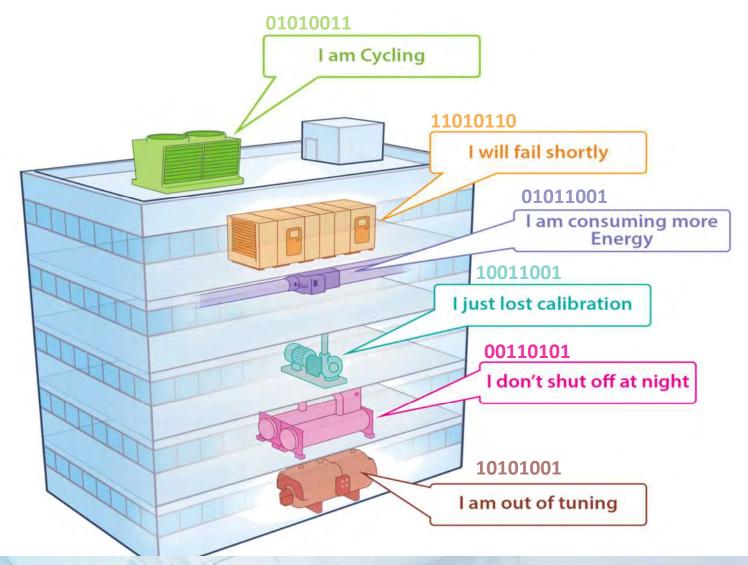


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Systems Integration



Fault Detection Diagnostics



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