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REGIONAL
SEMINAR 2012
A P A C
The **Power** of **Data**
KOREA



Asset-Centric PI System 구축

Presented by **Ryan Lee** 이승욱

Asset-Centric PI System?

눈으로 보는 Asset(설비자산) ≠ 데이터 구조



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Tag Search

Basic Search | Advanced Search | Alias Search

PI Server: /reee6320 Point Type: Point Class: Favorites
Tag Mask: Point Source: Engineering Units: Connections...
Search

Descriptor: 10SA01_B23_Port

Event Count: 303 Retrieved: 303 Row: 1

Server: /reee6320 Tagname: 10SA01_B23_Port

Start Time: ~2h End Time: *
Merge Type: Replace Duplicates Boundary Type: Inside
Show Filtered: Show Filtered Use String Annotations?

Value	Event Time	Questionable	Annotated	Substituted
3.950611	2012-09-03 오후 2:42:32			
1.380259	2012-09-03 오후 2:43:27			
4.348085	2012-09-03 오후 2:43:47			
2.628241	2012-09-03 오후 2:43:57			
5.128572	2012-09-03 오후 2:43:57			
6.931981	2012-09-03 오후 2:44:02			
1.463517	2012-09-03 오후 2:44:27			
4.915065	2012-09-03 오후 2:44:57			
-1.409818	2012-09-03 오후 2:45:17			
0.8098109	2012-09-03 오후 2:46:27			
8.802851	2012-09-03 오후 2:46:32			
8.221641	2012-09-03 오후 2:46:52			
0.1096495	2012-09-03 오후 2:46:57			
7.296715	2012-09-03 오후 2:46:57			
9.987786	2012-09-03 오후 2:47:57			
1.033342	2012-09-03 오후 2:48:27			
3.693945	2012-09-03 오후 2:48:52			
-1.48938	2012-09-03 오후 2:48:57			
3.111103	2012-09-03 오후 2:49:02			
0.9688914	2012-09-03 오후 2:49:32			
2.244575	2012-09-03 오후 2:49:57			
0.127079	2012-09-03 오후 2:49:57			
4.128965	2012-09-03 오후 2:52:12			
6.528367	2012-09-03 오후 2:52:52			
0.8850212	2012-09-03 오후 2:53:27			
6.398496	2012-09-03 오후 2:53:47			
-1.105762	2012-09-03 오후 2:53:57			
6.484238	2012-09-03 오후 2:54:02			
8.781549	2012-09-03 오후 2:54:22			
0.2022451	2012-09-03 오후 2:54:27			
7.938666	2012-09-03 오후 3:04:33			

Asset-Centric PI System?

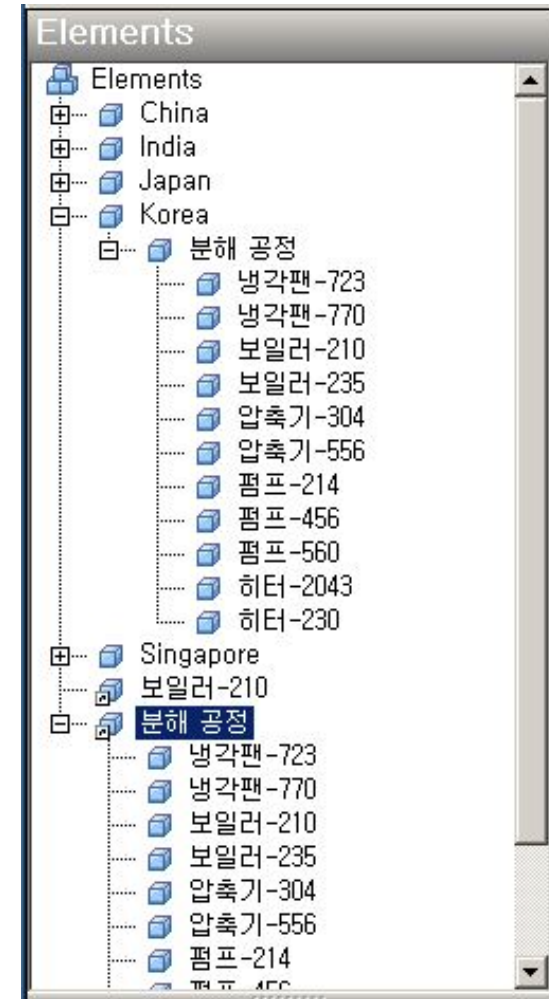
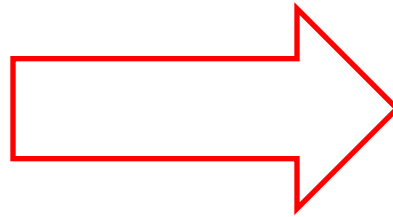
눈으로 보는 Asset(설비자산) = 데이터 구조



=

Elements		보일러-235	
		General	Child Elements
		Attributes	Ports
		Version	
		Filter	
		Name	Value
Elements	India	제조 업체 모델	KPC-X36
	China	장비 제조 업체	KPC, Limited
	Japan	장비 상태	Auto
	Korea	유수량	107,343995230539 bbl/d
	분해 공정	연료	2936,9338259325154
	냉각팬-723	설치 날짜	1975-07-07 오후 1:00:00
	냉각팬-770	버너	XG-40
	보일러-210	물	3691,9465026836992
	보일러-235	가스 연료 흐름	85,3918685913086 m3/h
	압축기-304		
	압축기-556		
	펌프-214		
	펌프-456		
	펌프-560		
	히터-2043		
	히터-230		
Singapore			
Cracking Process			
Extruding Process			
Milling Process			

Flexibility (유연성)





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Asset Data 일괄등록



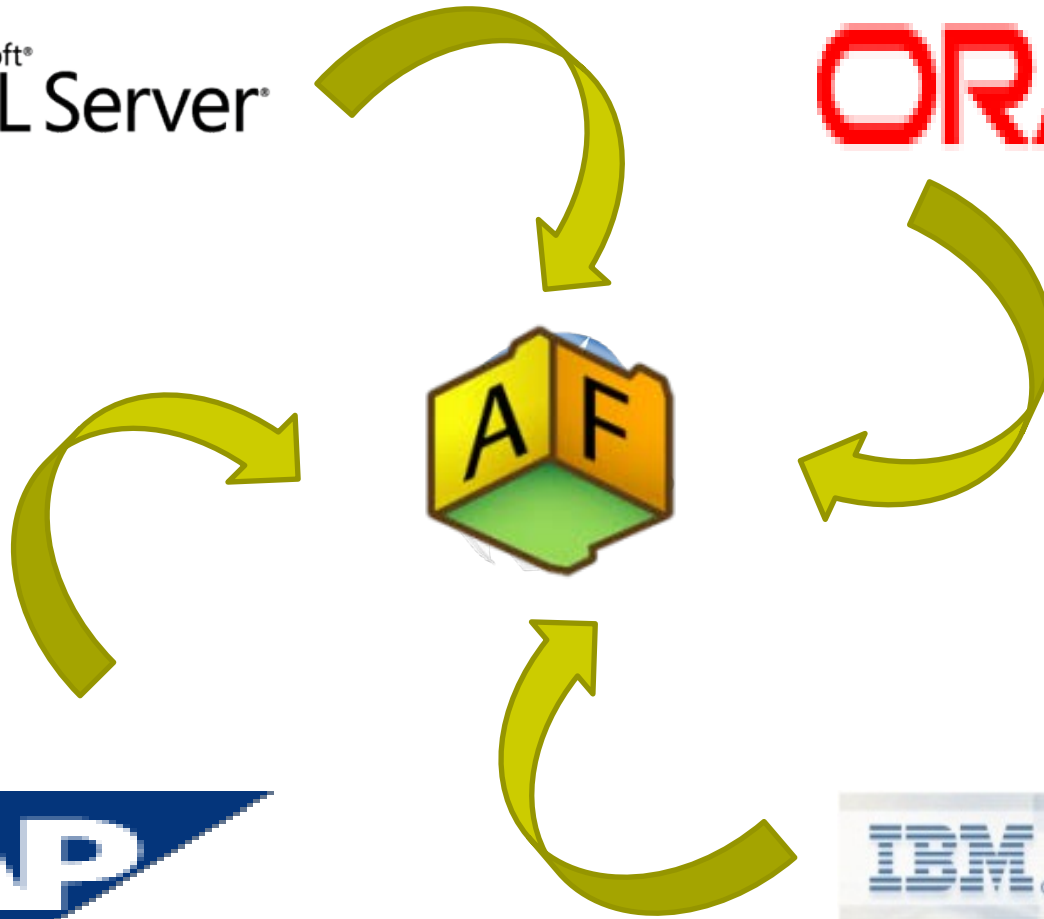
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1	Selected(x)	Parent	Name	ObjectType	Description	AttributeDataReference
2	x	KRSeminar\Seoul	Fans	Element		
3	x	KRSeminar\Seoul\Fans	Fan#1	Element	Fan#1	
4	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A AMPS	Attribute	ID FAN 1A AMPS	PI Point
5	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B AMPS	Attribute	ID FAN 1B AMPS	PI Point
6	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SPEED	Attribute	ID FAN 1A SPEED	PI Point
7	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SPEED	Attribute	ID FAN 1B SPEED	PI Point
8	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A OUTLET DAMPER POSITION	Attribute	ID FAN 1A OUTLET DAMPER POSITION	PI Point
9	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A INLET DAMPER POSITION	Attribute	ID FAN 1A INLET DAMPER POSITION	PI Point
10	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B OUTLET DAMPER POSITION	Attribute	ID FAN 1B OUTLET DAMPER POSITION	PI Point
11	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B INLET DAMPER POSITION	Attribute	ID FAN 1B INLET DAMPER POSITION	PI Point
12	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A GAS IN PRESSURE	Attribute	ID FAN 1A GAS IN PRESSURE	PI Point
13	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B GAS IN PRESSURE	Attribute	ID FAN 1B GAS IN PRESSURE	PI Point
14	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SUCTION PRESSURE 1A1	Attribute	ID FAN 1A SUCTION PRESSURE 1A1	PI Point
15	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SUCTION PRESSURE 1A2	Attribute	ID FAN 1A SUCTION PRESSURE 1A2	PI Point
16	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SUCTION PRESSURE 1A3	Attribute	ID FAN 1A SUCTION PRESSURE 1A3	PI Point
17	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SUCTION PRESSURE 2A1	Attribute	ID FAN 1A SUCTION PRESSURE 2A1	PI Point
18	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SUCTION PRESSURE 2A2	Attribute	ID FAN 1A SUCTION PRESSURE 2A2	PI Point
19	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1A SUCTION PRESSURE 2A3	Attribute	ID FAN 1A SUCTION PRESSURE 2A3	PI Point
20	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SUCTION PRESSURE 1B1	Attribute	ID FAN 1B SUCTION PRESSURE 1B1	PI Point
21	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SUCTION PRESSURE 1B2	Attribute	ID FAN 1B SUCTION PRESSURE 1B2	PI Point
22	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SUCTION PRESSURE 1B3	Attribute	ID FAN 1B SUCTION PRESSURE 1B3	PI Point
23	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SUCTION PRESSURE 2B1	Attribute	ID FAN 1B SUCTION PRESSURE 2B1	PI Point
24	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SUCTION PRESSURE 2B2	Attribute	ID FAN 1B SUCTION PRESSURE 2B2	PI Point
25	x	KRSeminar\Seoul\Fans\Fan#1	ID FAN 1B SUCTION PRESSURE 2B3	Attribute	ID FAN 1B SUCTION PRESSURE 2B3	PI Point



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