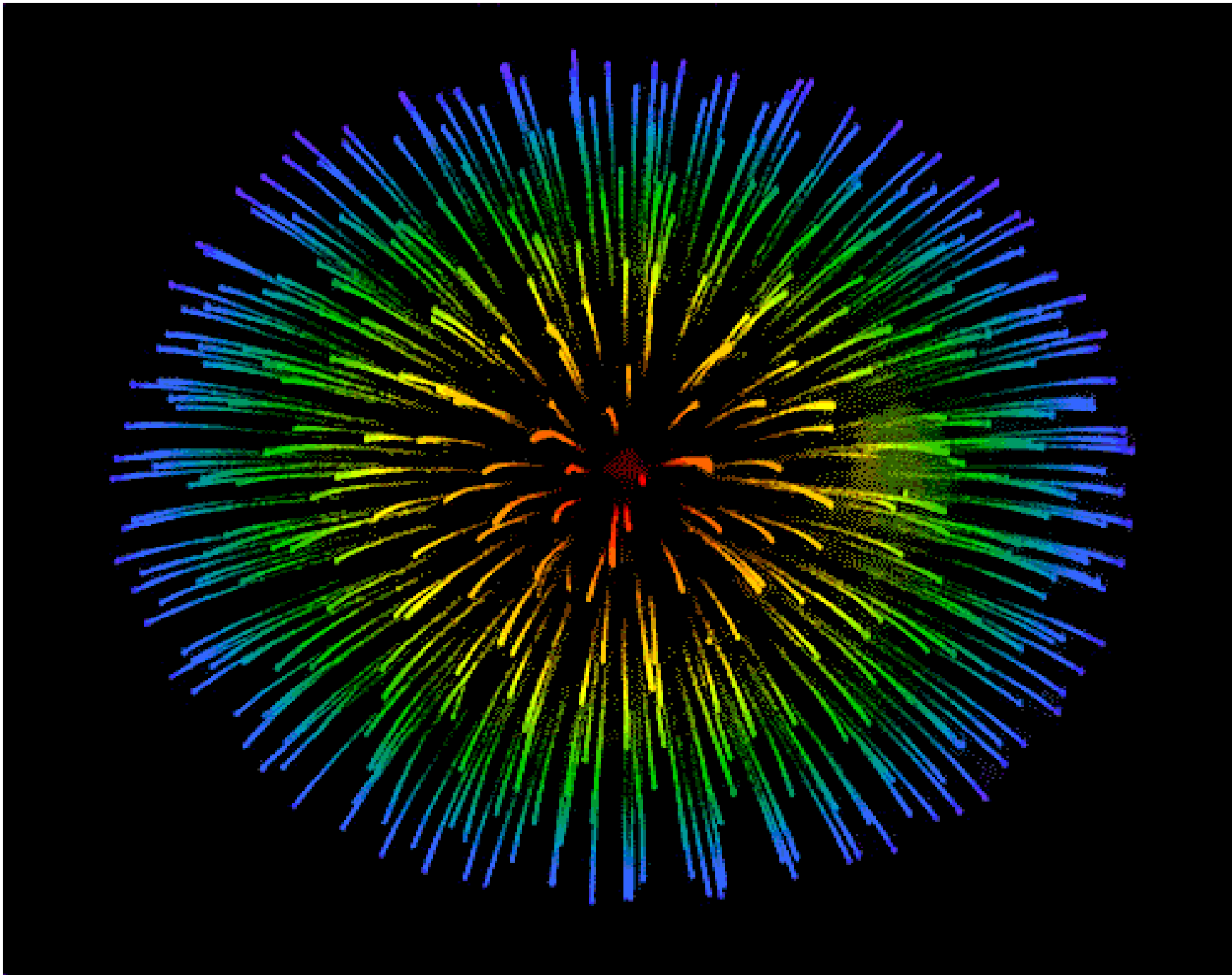




Tag BACnet – A Haystack Community Project

Jonathan Schoenfeld
President, Kodaro





BACnet Devices

- VFDs
- Chillers
- Boilers
- Packaged RTUs
- Configurable Controllers
- CRACs
- ...



Timeline

5/2019
Haystack
Connect



2020?
ASHRAE 223P
Published



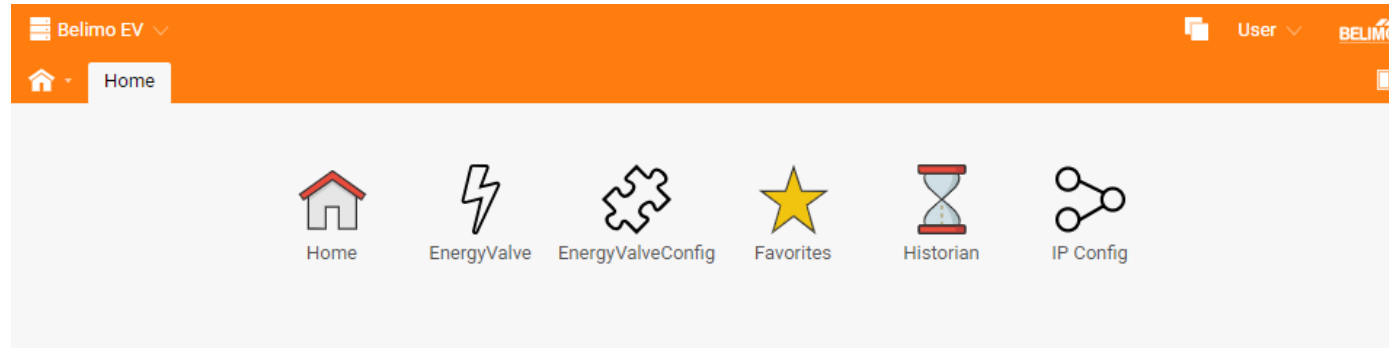
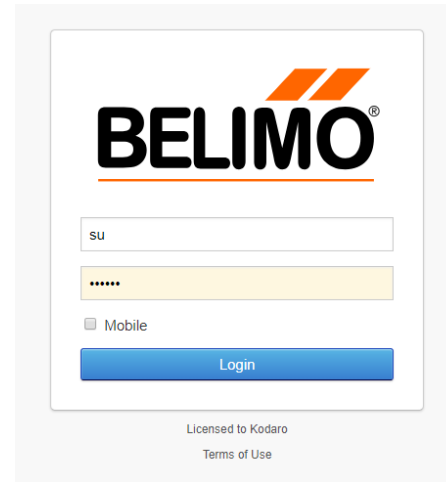
2022?
Vendor
Adoption



2029?!
Equipment
Turnover



Belimo's Solution



Why Wait?



☒ modelName

ev-app-3-12-328

☒ objectID

DEVICE:3010

☒ vendorName

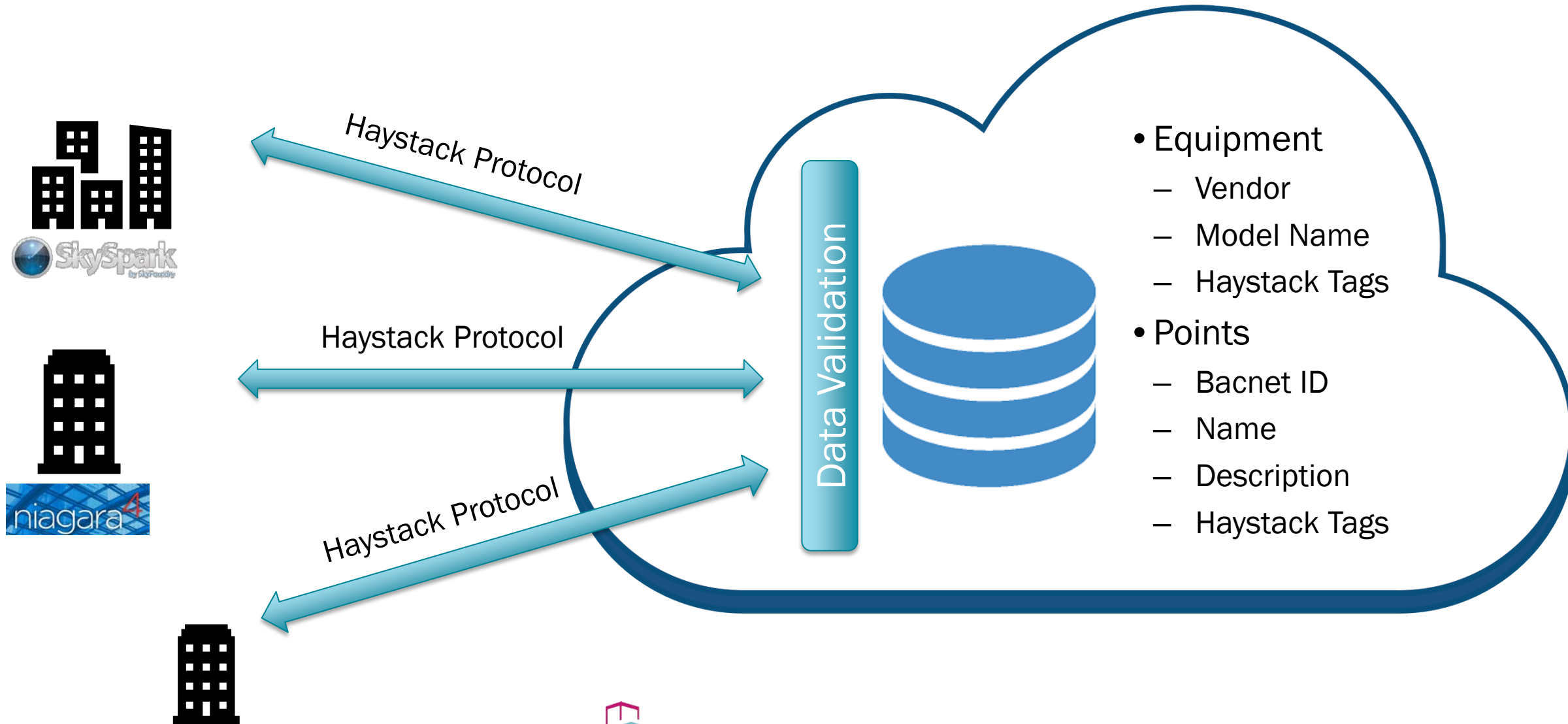
BELIMO Automation AG

bacnetCur ▲	navName	pointDescription	cmd	config	delta	dtManager	effective
ⓘ AI1	RelPos	Relative Position in %	✓				
ⓘ AI100	ErrorState	Error State					
ⓘ AI113	SpAbsFlow_gpm	Absolute Flow Setpoint in gpm					✓
ⓘ AI13	AbsFlow_gpm	Absolute Flow in gpm					
ⓘ AI25	T1_F	Temperature 1 (remote) in °F					
ⓘ AI26	T2_F	Temperature 2 (embedded) in °F					
ⓘ AI27	DeltaT_F	Delta Temperature in °F			✓		
ⓘ AI35	AbsPower_kBTU/h	Power in kBTU/h					
ⓘ AI60	GlycolConcentration	Media Glycol Concentration					
ⓘ AO1	SpRel	Setpoint Relative in %					
ⓘ AV104	SpDeltaT_F	Setpoint Delta Temperature in Fahrenheit			✓		
ⓘ AV109	SpFlow_DeltaT_gpm	Setpoint Flow DeltaT in gpm				✓	
ⓘ AV91	Vmax_gpm	Maximum Flowlimit in gpm					
ⓘ MSI102	DeltaT_MgrStatus	DeltaT Limitation Status		✓		✓	
ⓘ MSO1	Override	Override Control					
ⓘ MSV100	ControlMode	Control Mode		✓			
ⓘ MSV101	DeltaT_Limitation	DeltaT Limitation		✓		✓	

Why Wait?

[illegible][illegible]

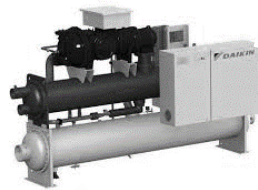
A Community Solution



A Community Solution



Model Name



Haystack
equip query

points & tags



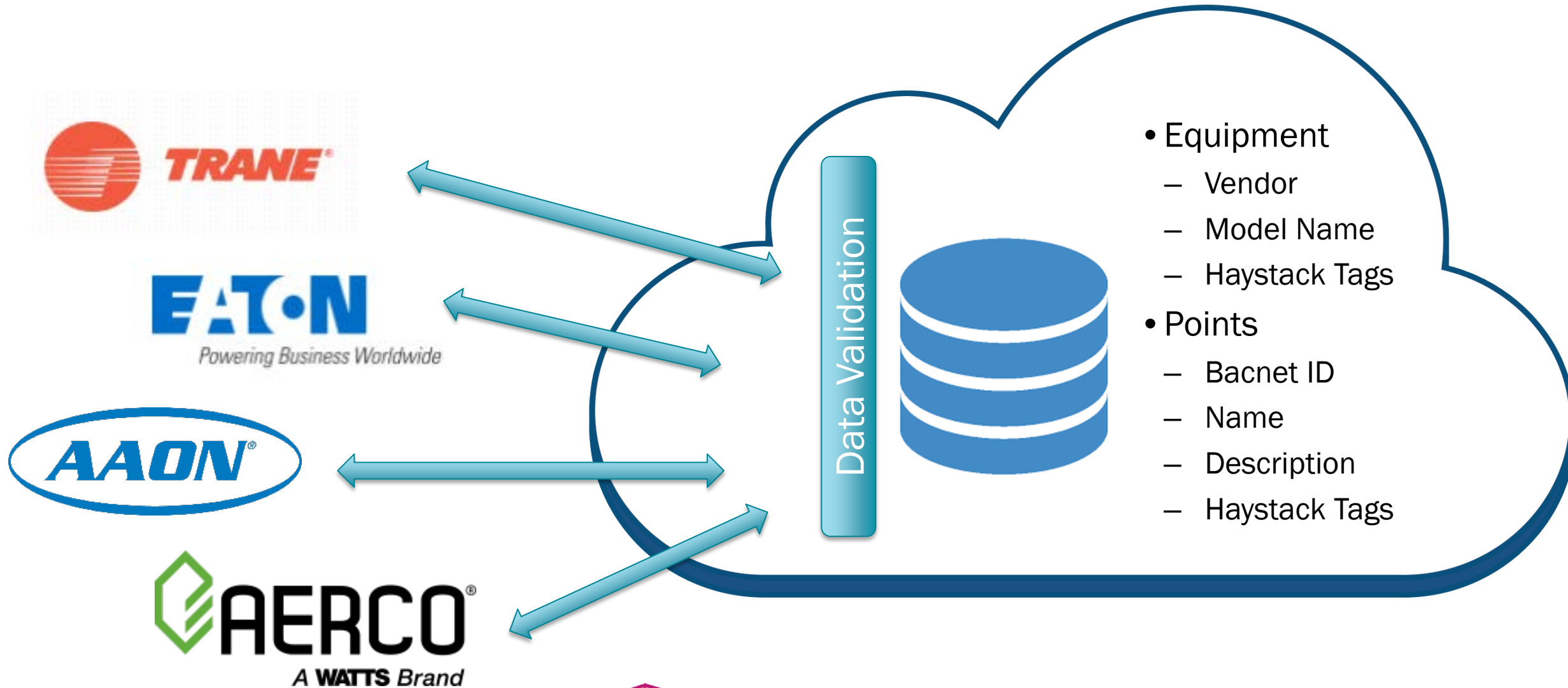
Why Tag BACnet?



- Reduce integration time
- Improve tagging consistency and standardization
- Be a part of the community
- **Help inform the tagging of packaged controls**



Vendor Contribution



~~If you build it, they will come~~

- Volunteers
 - Devices, model names
- Specification for data entry
- Database & cloud infrastructure
- Beta testers



Thank You!