

Industrial IT & Connectivity Information Modeling

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GridWise Framework Categories

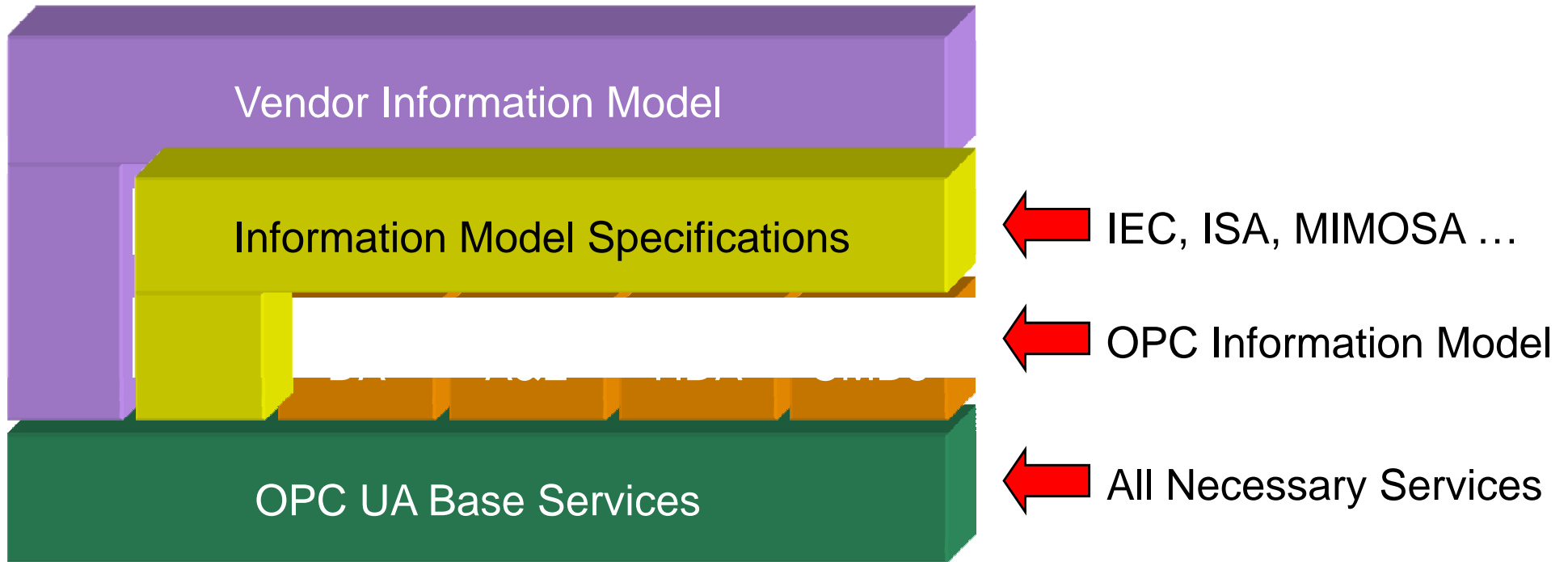


Need a single standard path through for product interop

Plethora of composable choices

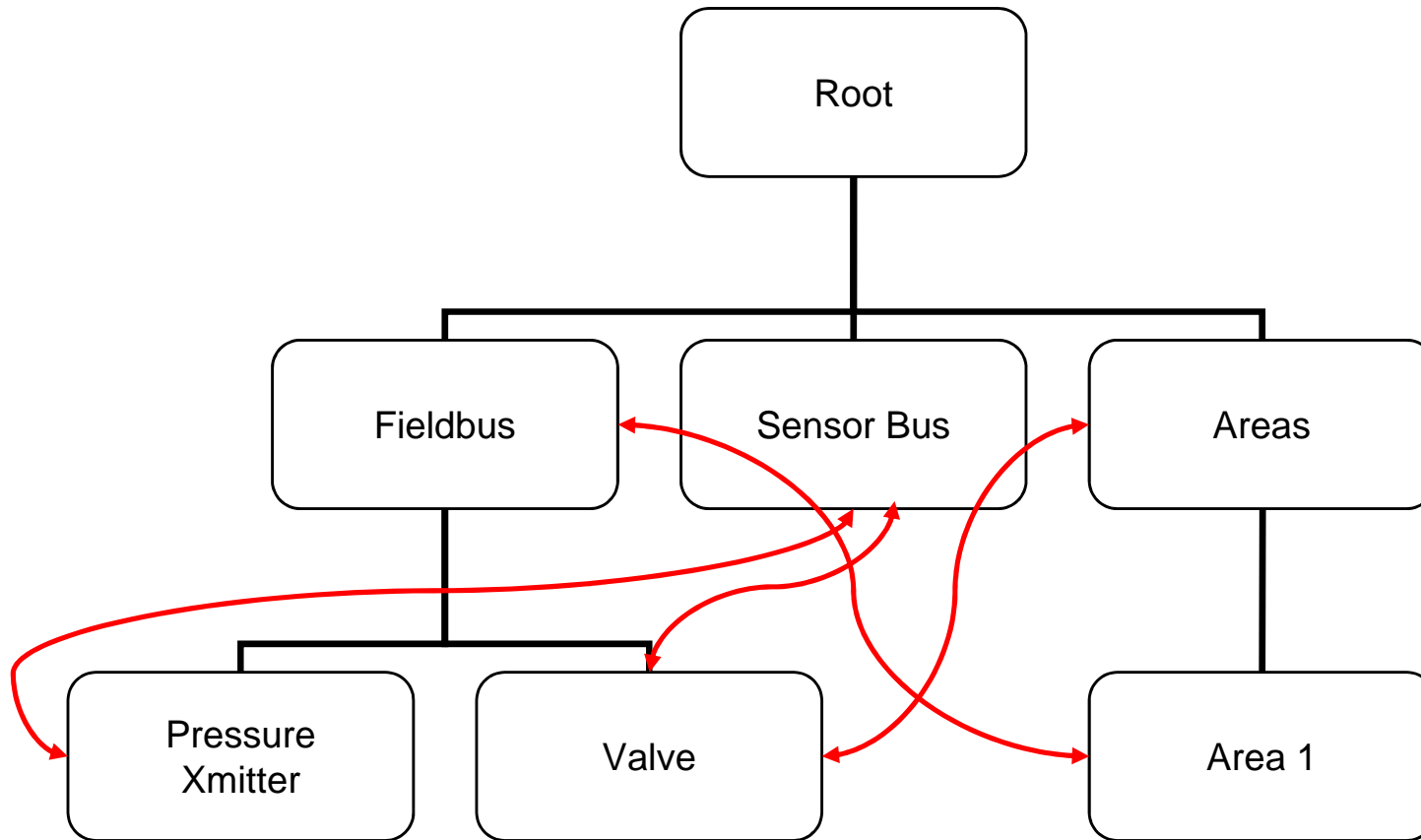
OPC-UA Was Designed For This

Specification Layering



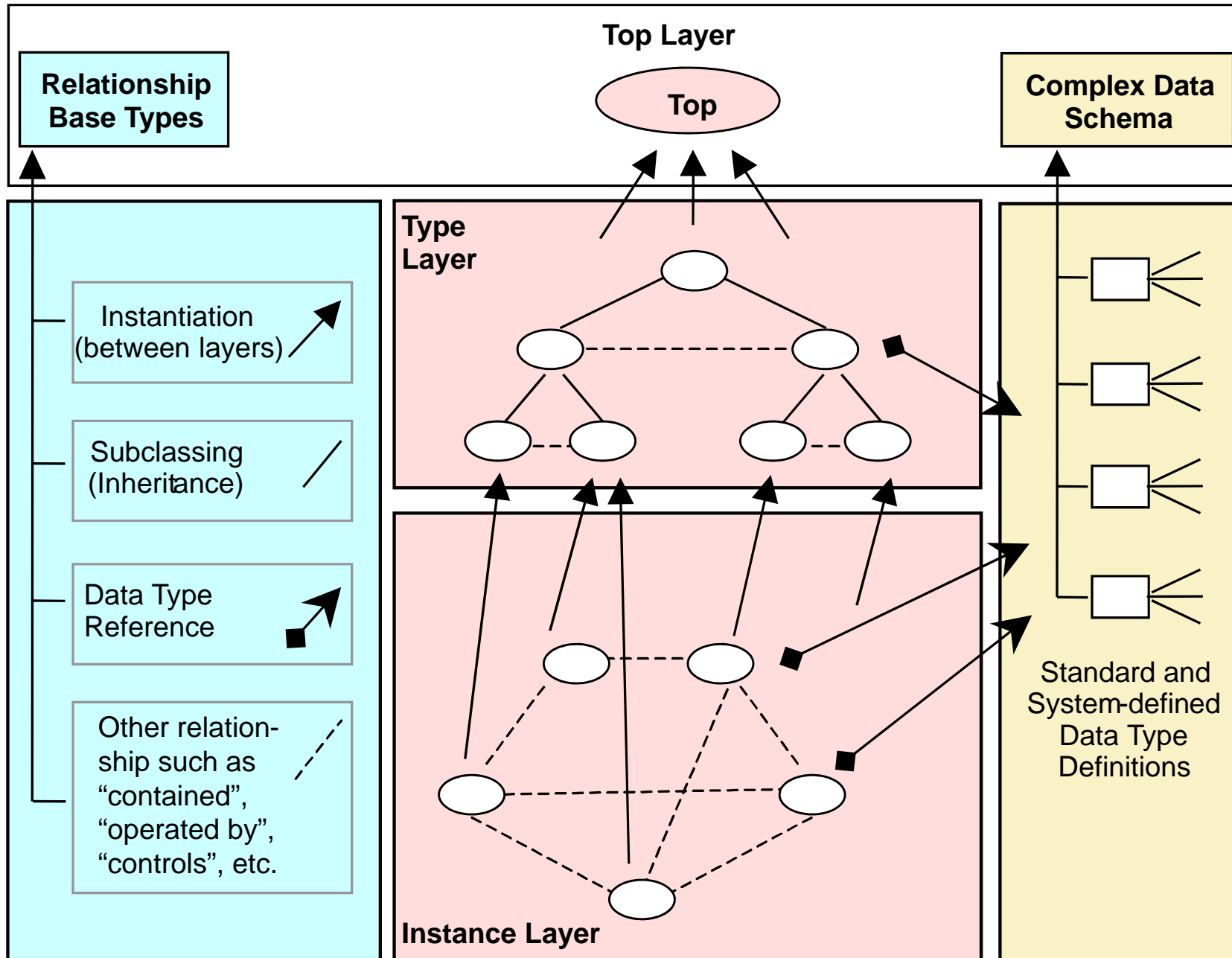
Clients written to just the base can still discover and access all data from the derived layers!

OPC-UA Address Space

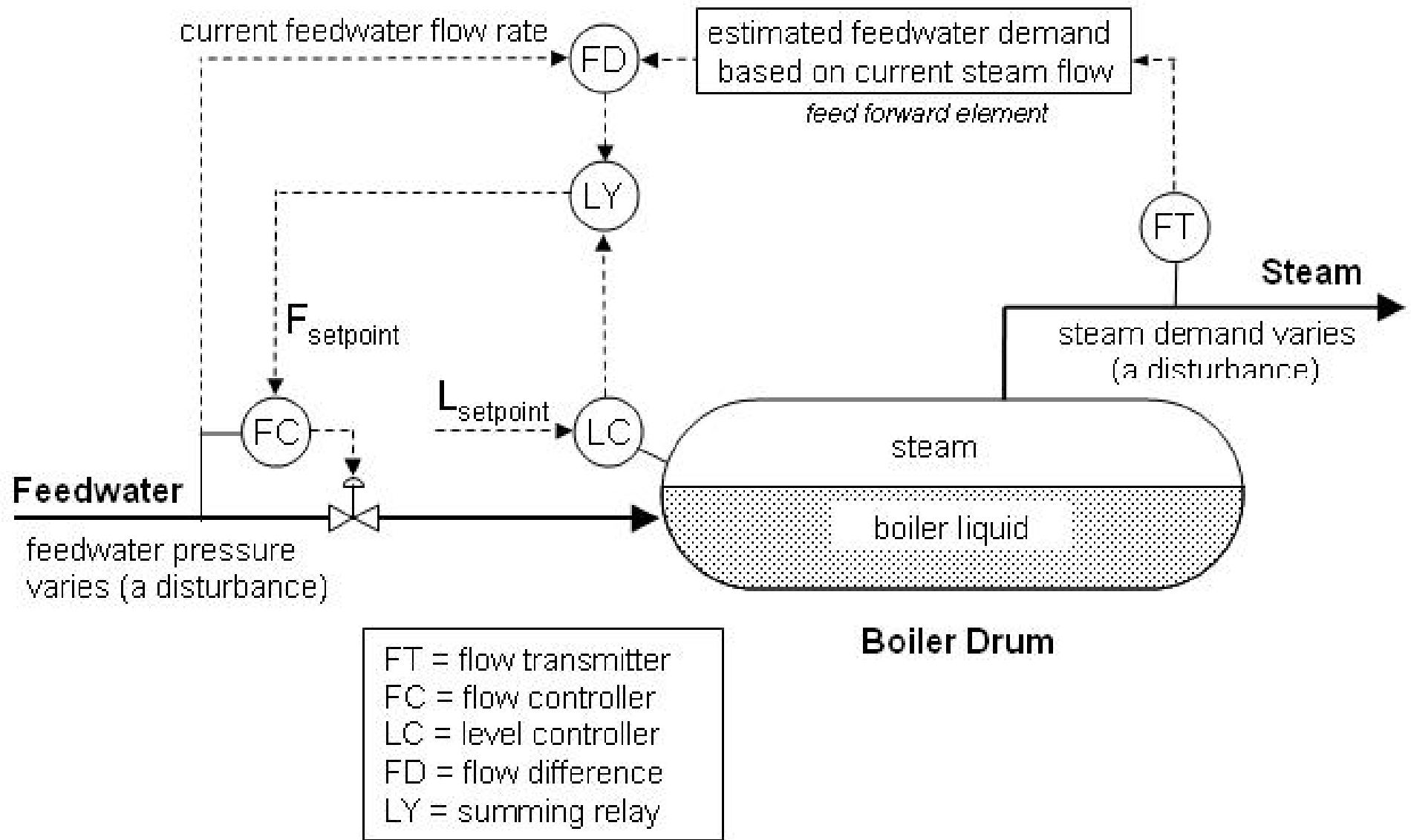


- Full Mesh – Network Model
- Unlimited Named/Typed Relationships
- “Views” are used to present hierarchies

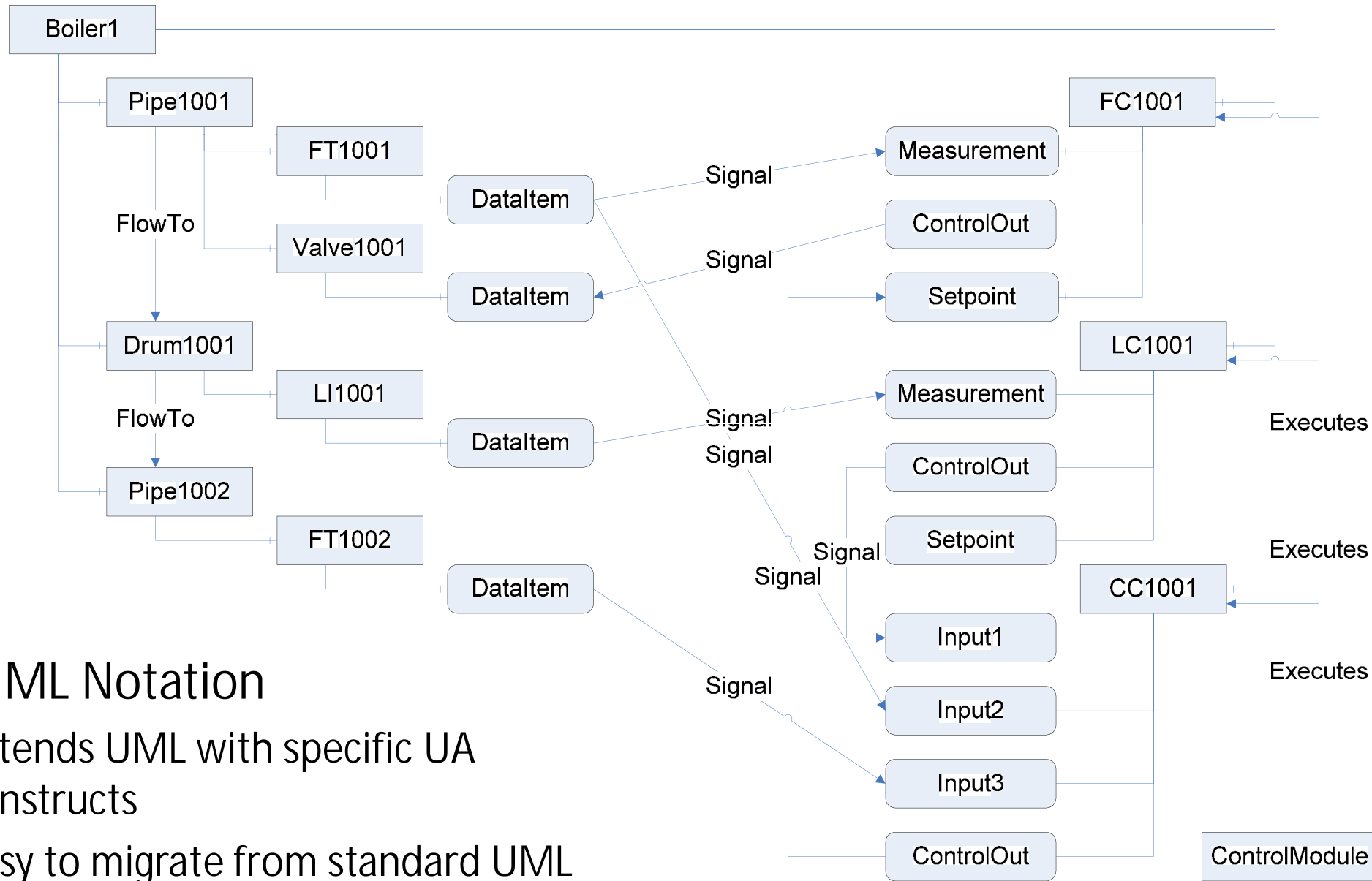
Object Classes and Instances



Drum Control P&ID



Drum Control revisited: OPC UA



- UA UML Notation

- Extends UML with specific UA constructs
- Easy to migrate from standard UML

OPC Unified Architecture

- Layered on top of
 - XML Web Services (for compatibility)
 - Binary/TCP (for performance)
- Uses rich O-O paradigm and Network Model address space for exposing and extending Information Models
- Connects to all existing legacy OPC applications
- SDKs and stacks now available in C#, C/C++ and Java
- Commercial products are now shipping.

For more info...

- Visit <http://www.opcfoundation.org/UA>

