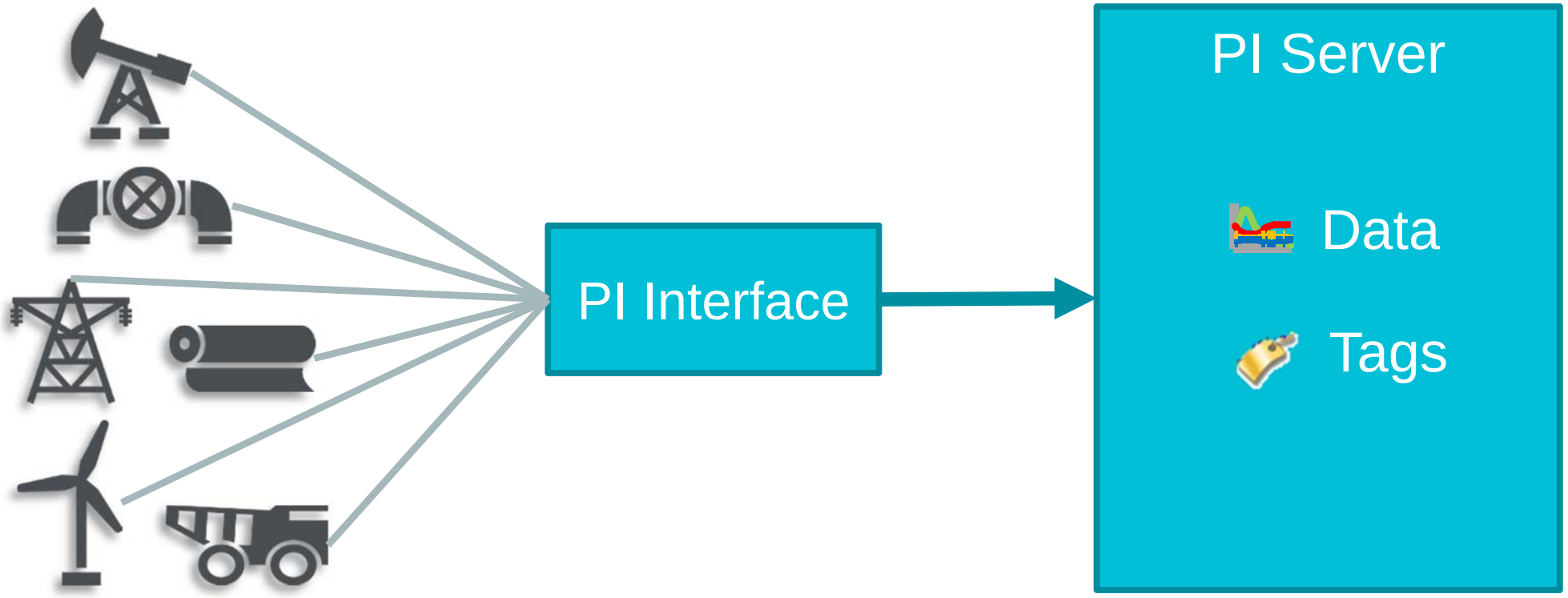
PI Connectors™

Presented by **Shivesh Suman, Escalation Engineer**

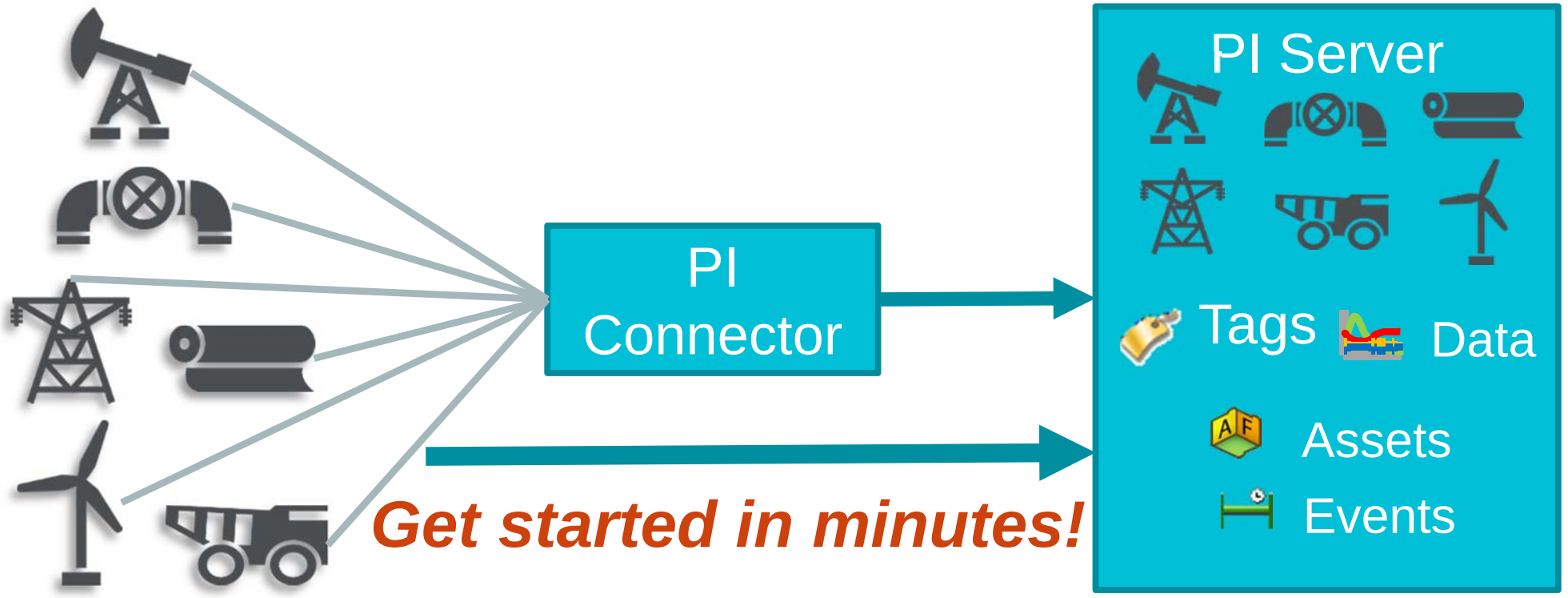
Agenda

- PI Interfaces – Data collection modules that we have today.
- Introduce PI Connectors
- Key advantages over Interfaces
- Example Connectors
- Release pipeline

PI Interfaces:
Proven and reliable data collection



PI Connectors:
Strong connections to your data sources



PI Interfaces vs. PI Connectors

PI Interfaces

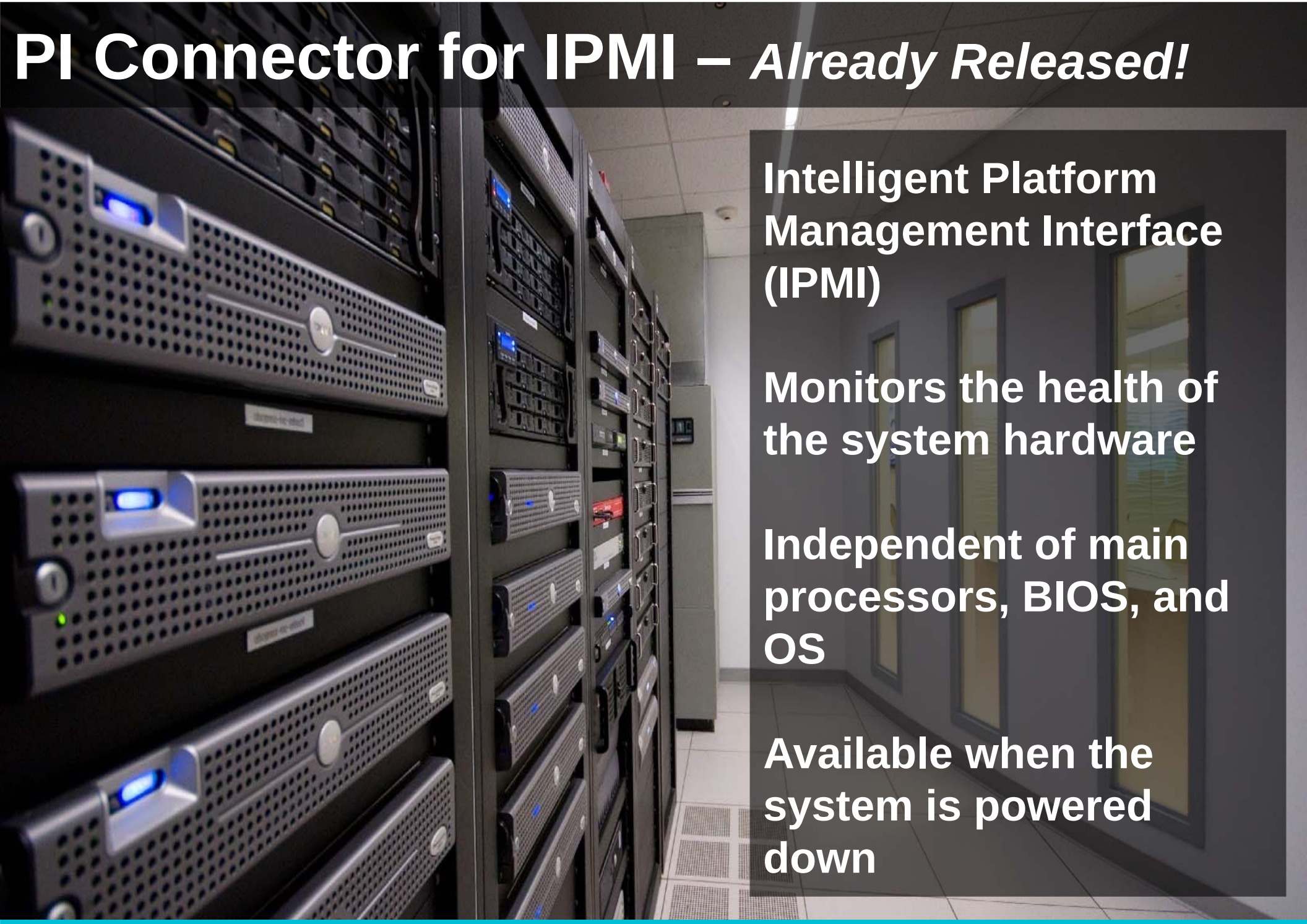
- Challenging to configure
- Spend lots of time configuring tags
- Create an Asset mode and then tie to the tag database
- Most interface run only on Windows

PI Connectors

- Minimal Configuration
- Auto-discovery of assets and tags
- Auto-create assets and tags
- Can Run on Linux
- Higher speed

Few Connectors

PI Connector for IPMI – *Already Released!*



Intelligent Platform Management Interface (IPMI)

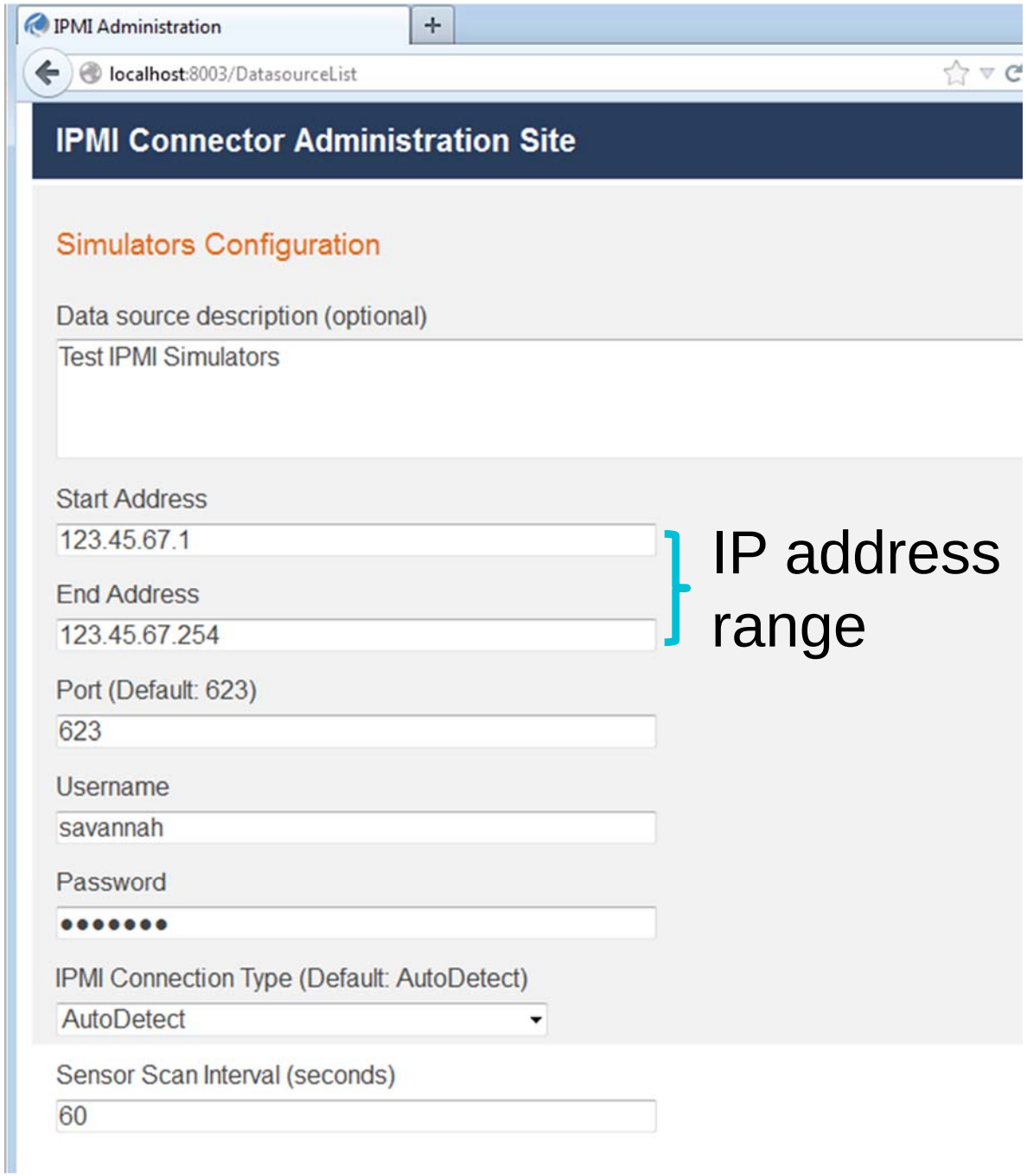
Monitors the health of the system hardware

Independent of main processors, BIOS, and OS

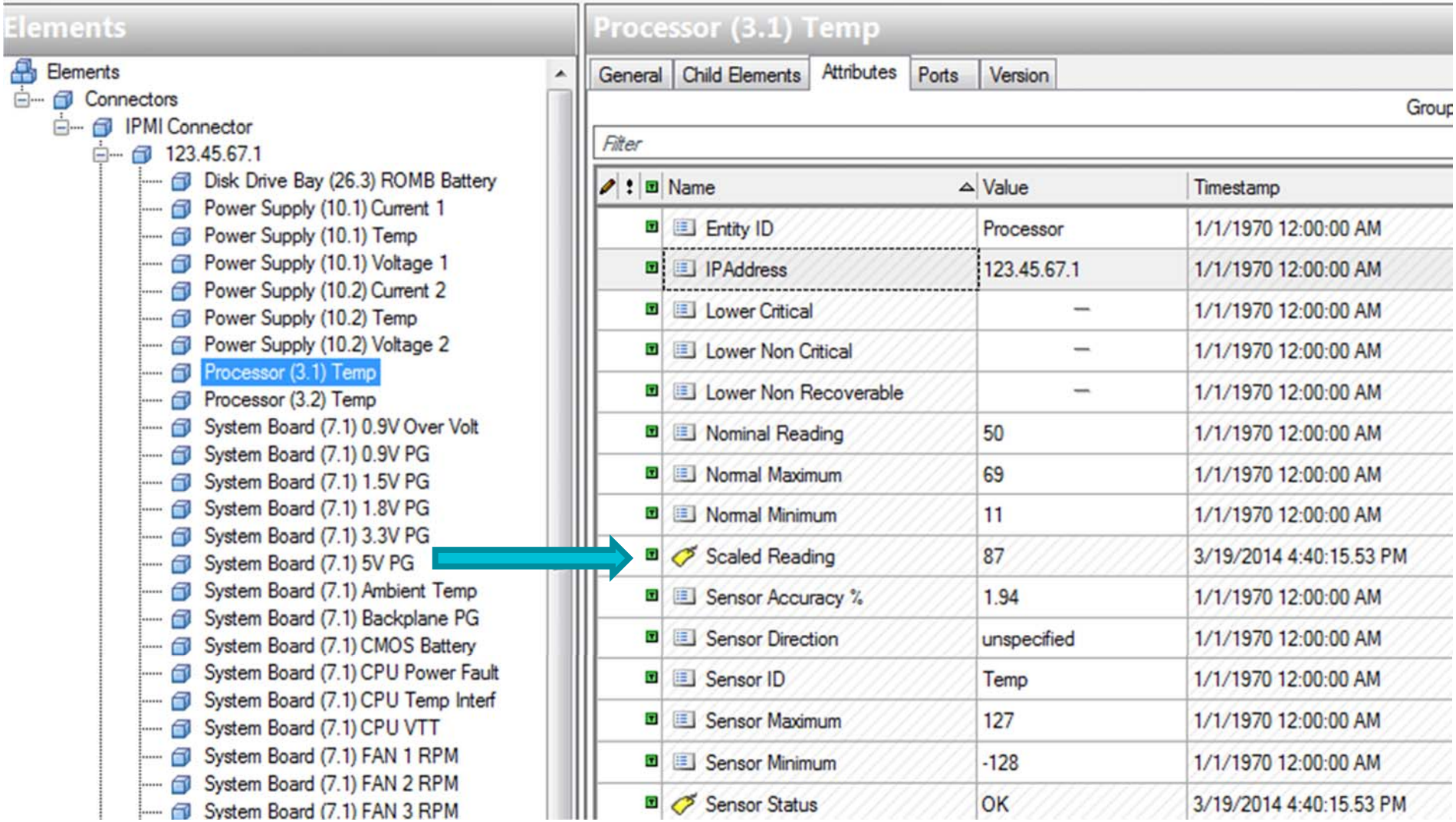
Available when the system is powered down

Configuration

- Self hosted web site
- Configuration using a browser client

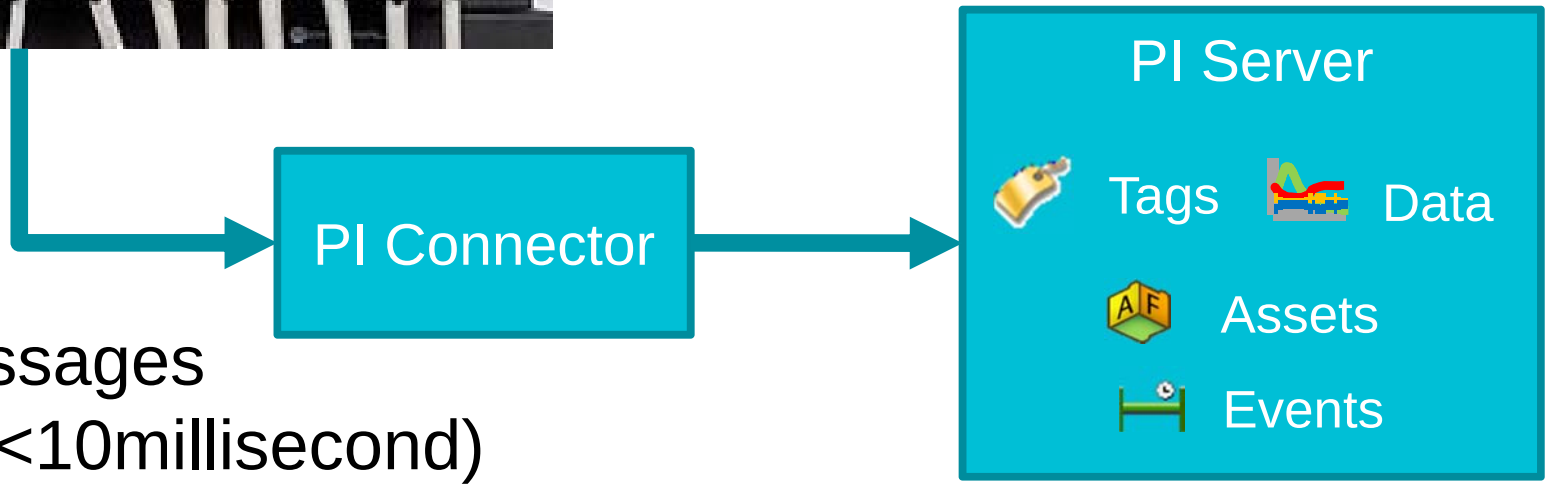


Asset Structure



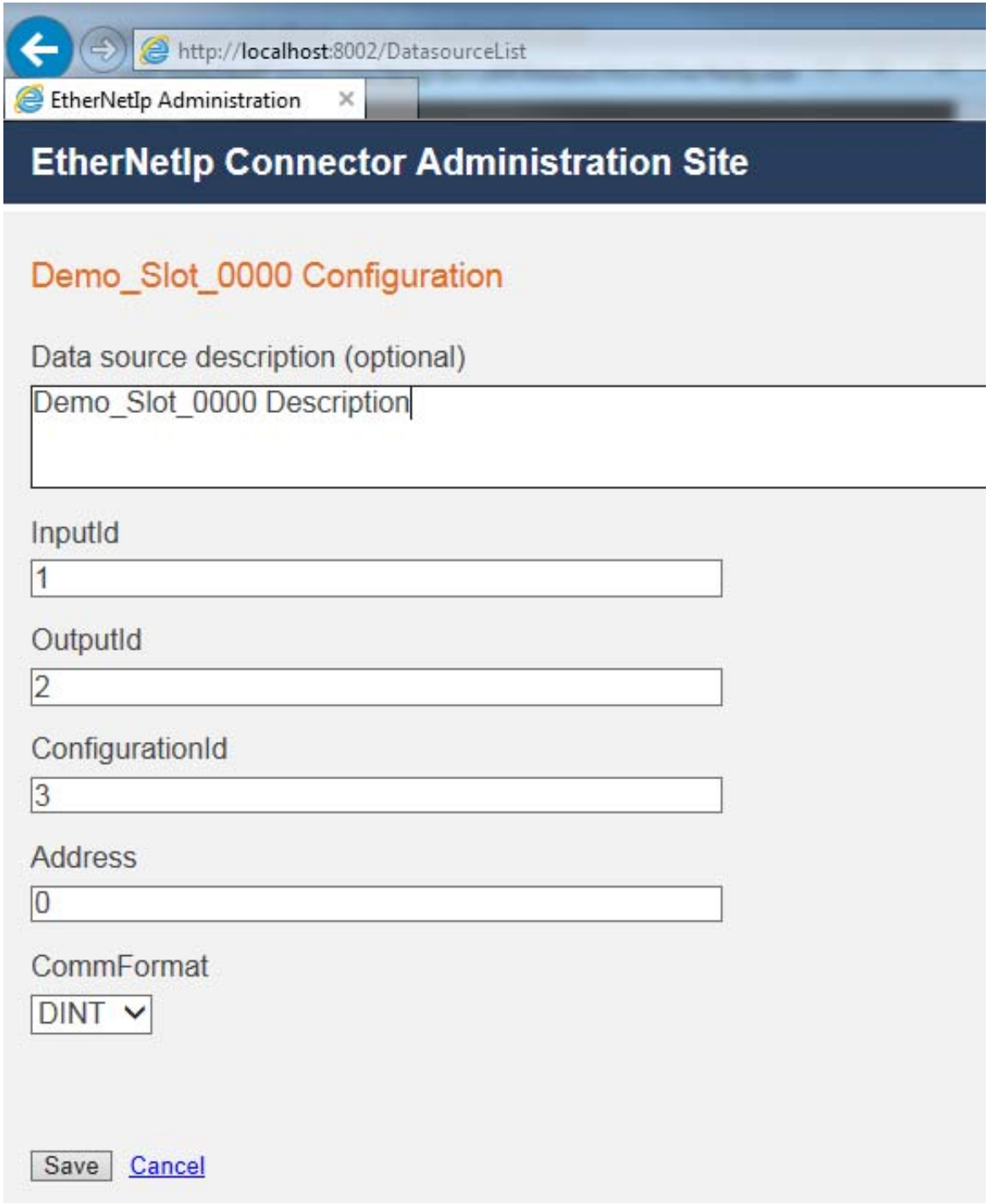
PI Connector for EtherNet/IP

- EtherNet/IP standard managed by ODVA
- Industrial Protocol over Ethernet based on CIP

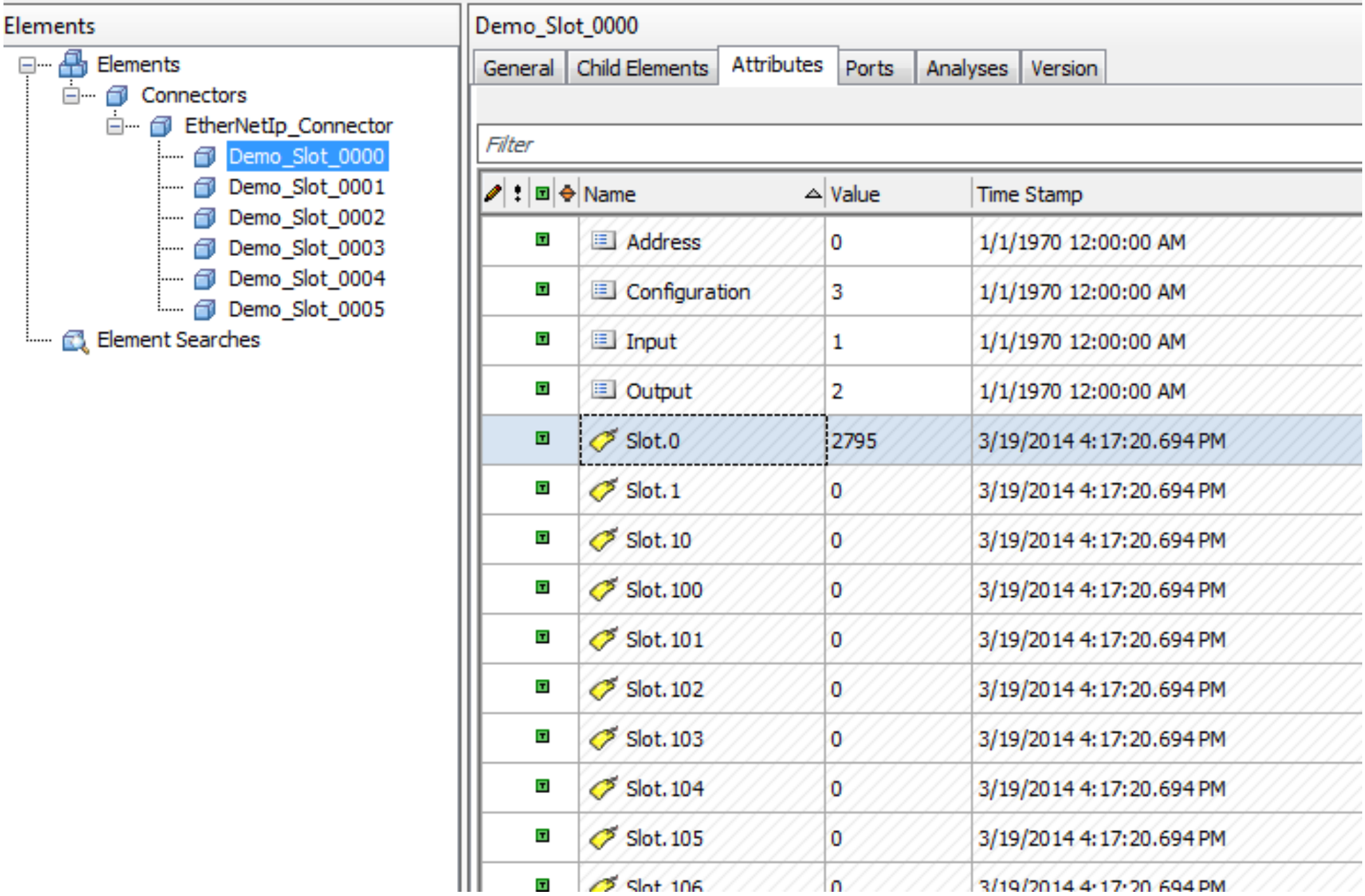


- Class 1 messages
- High rates (<10millisecond)

Configuration

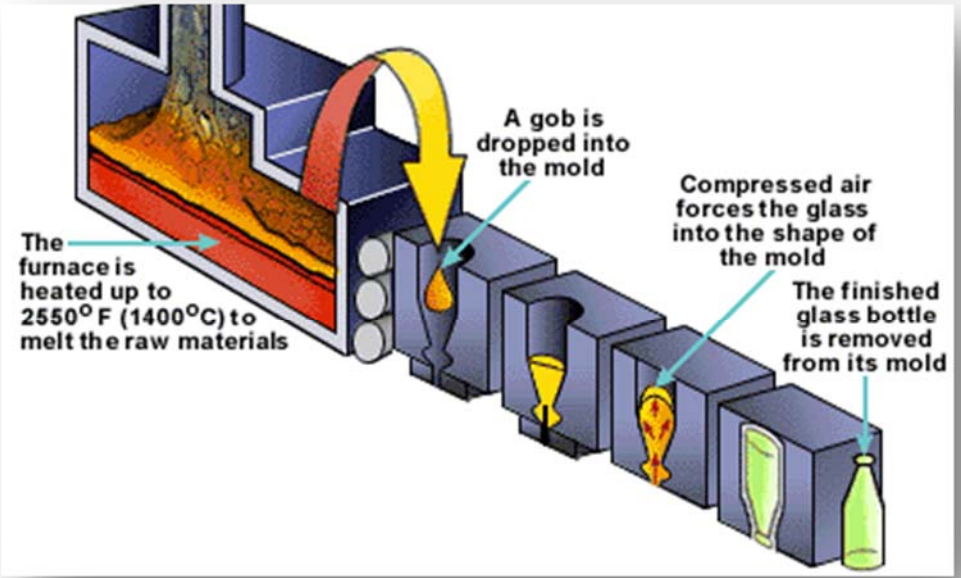


Asset Structure

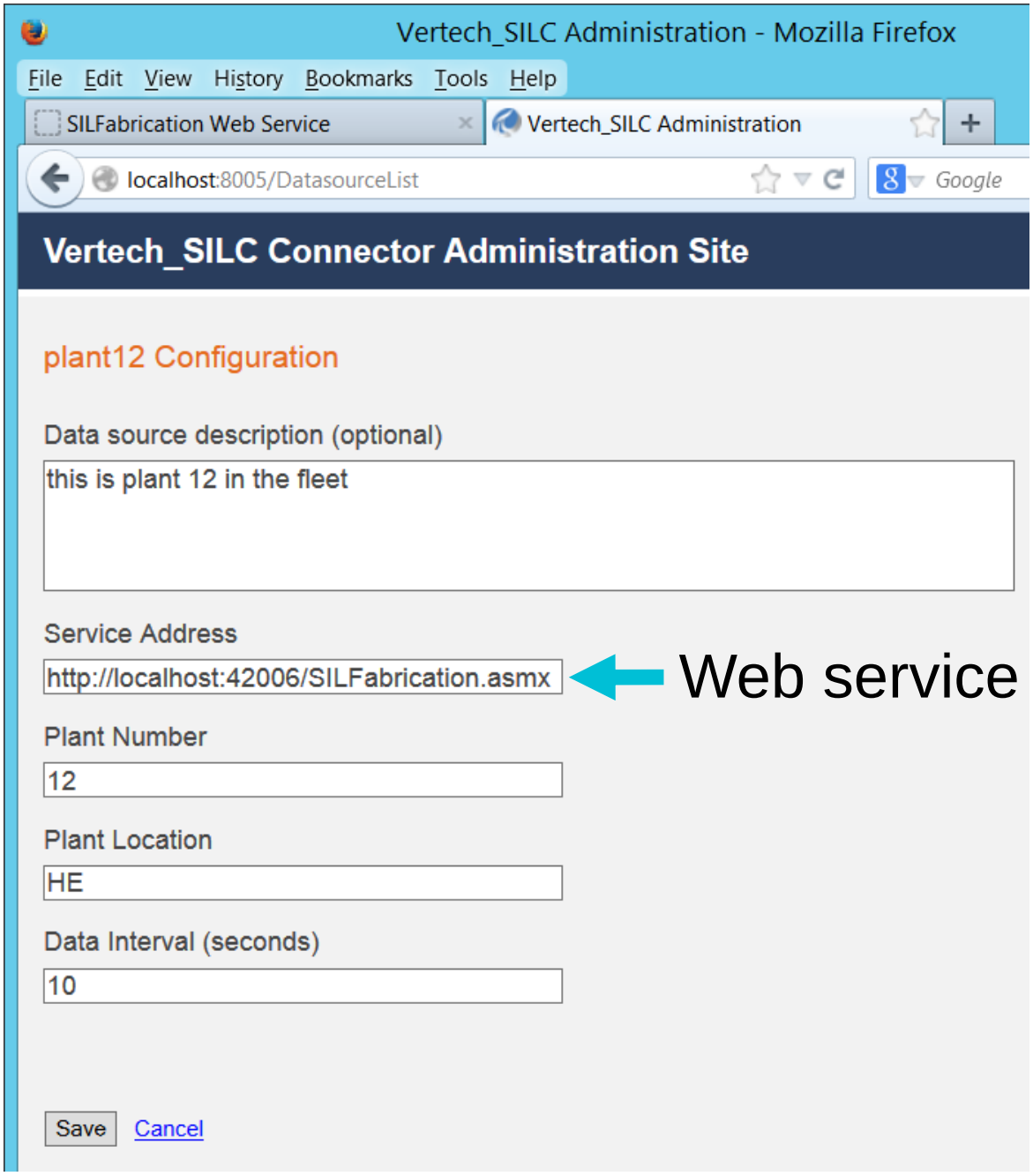


PI Connector for Vertech SILC

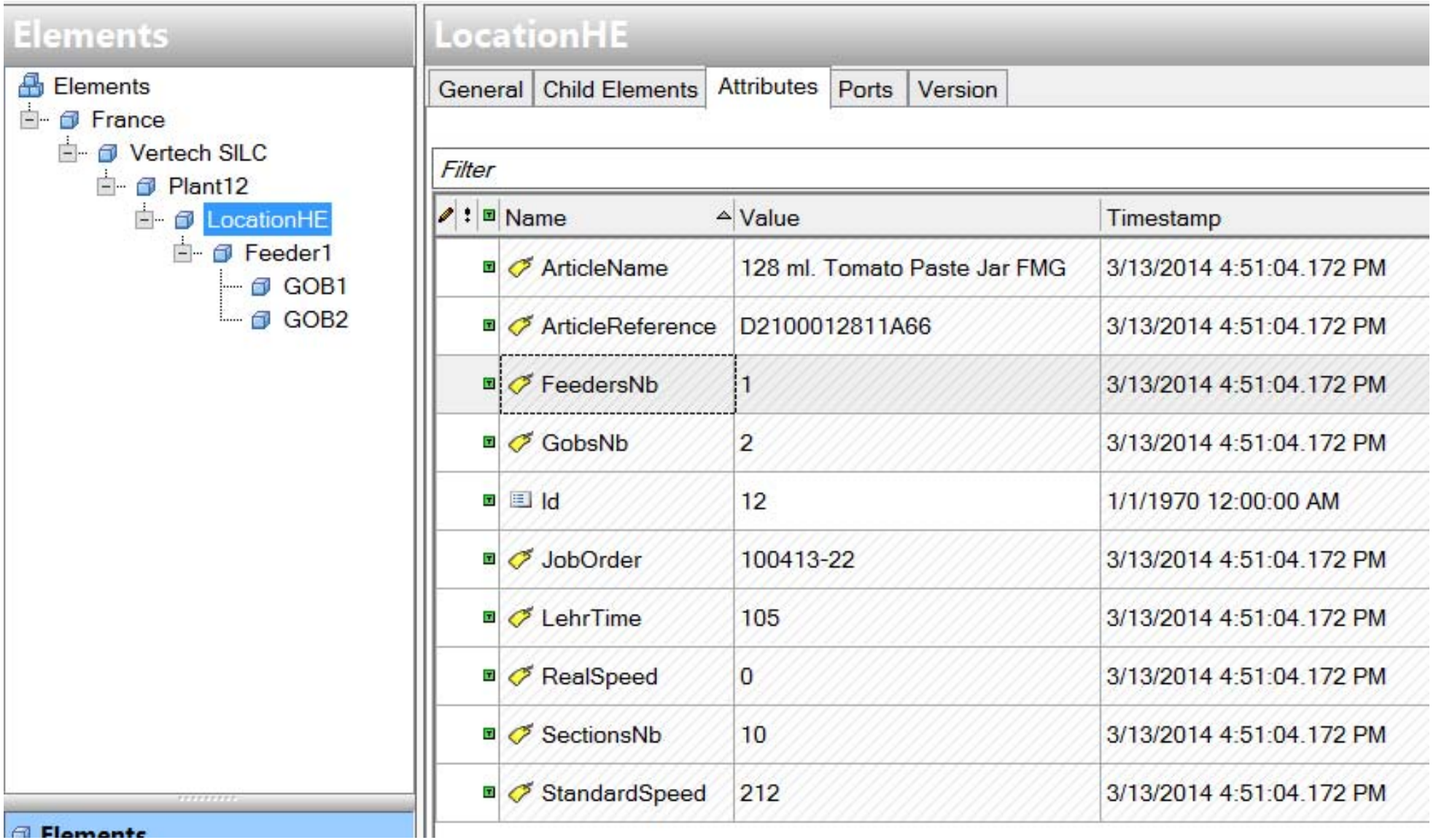
- From feeder, molten glass is cut
- Gob of glass dropped into the mold
- Mass of gob transforms into a glass bottle



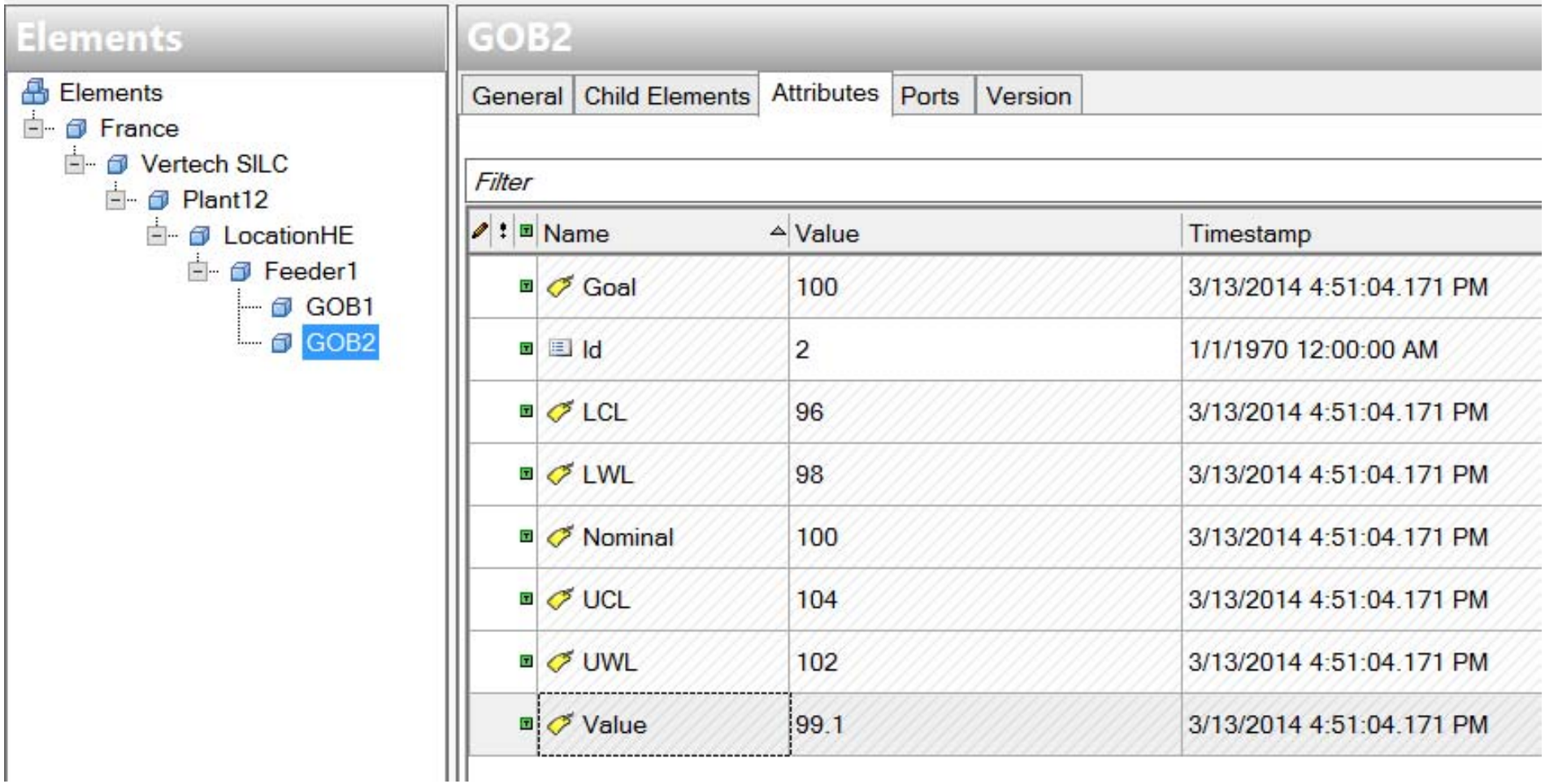
Configuration



Asset Structure



Asset Structure



PI Connector for CygNet

- Common SCADA in Oil & Gas upstream
- CygNet SCADA system collects data from various assets, such as:
  - Batteries (Oil treatment facilities)
  - Communication Devices
  - Wells
- Real-time data and metadata (Asset Data)

PI Connectors – Key Advantages

- Reduce interface configuration time
- Eliminate tag configuration and maintenance
- Automate creation of asset hierarchy

Release pipeline

- PI Connector for IPMI – *Already released*
- PI Connector for CygNet - *Beta*
- PI Connector for Vertech SILC -*Beta*
- PI Connector for EtherNet/IP - *Beta*
- PI Connector for Kongsberg
- PI Connector for DC Systems RTscada

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THANK YOU

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