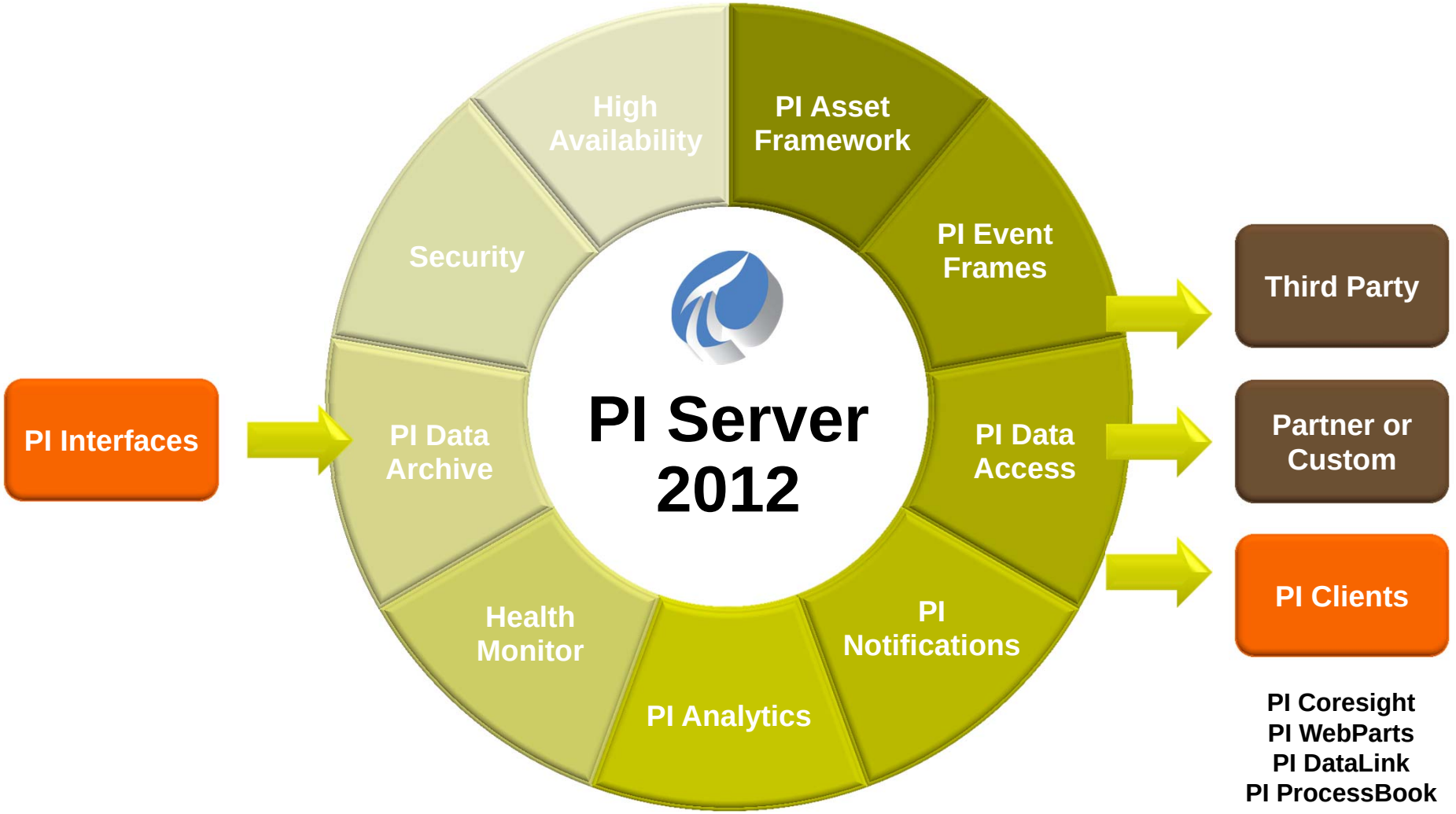
Building an Asset-Centric PI System

Presented by **Lyn Quek, Customer Support Engineer**

What's an Asset-Centric PI System?

- Organize your data based on logical or physical objects
- Add structure and relationship to your assets and data
- Find and use your data using familiar terms, not obscure tag names
- Apply domain expertise to your assets and data

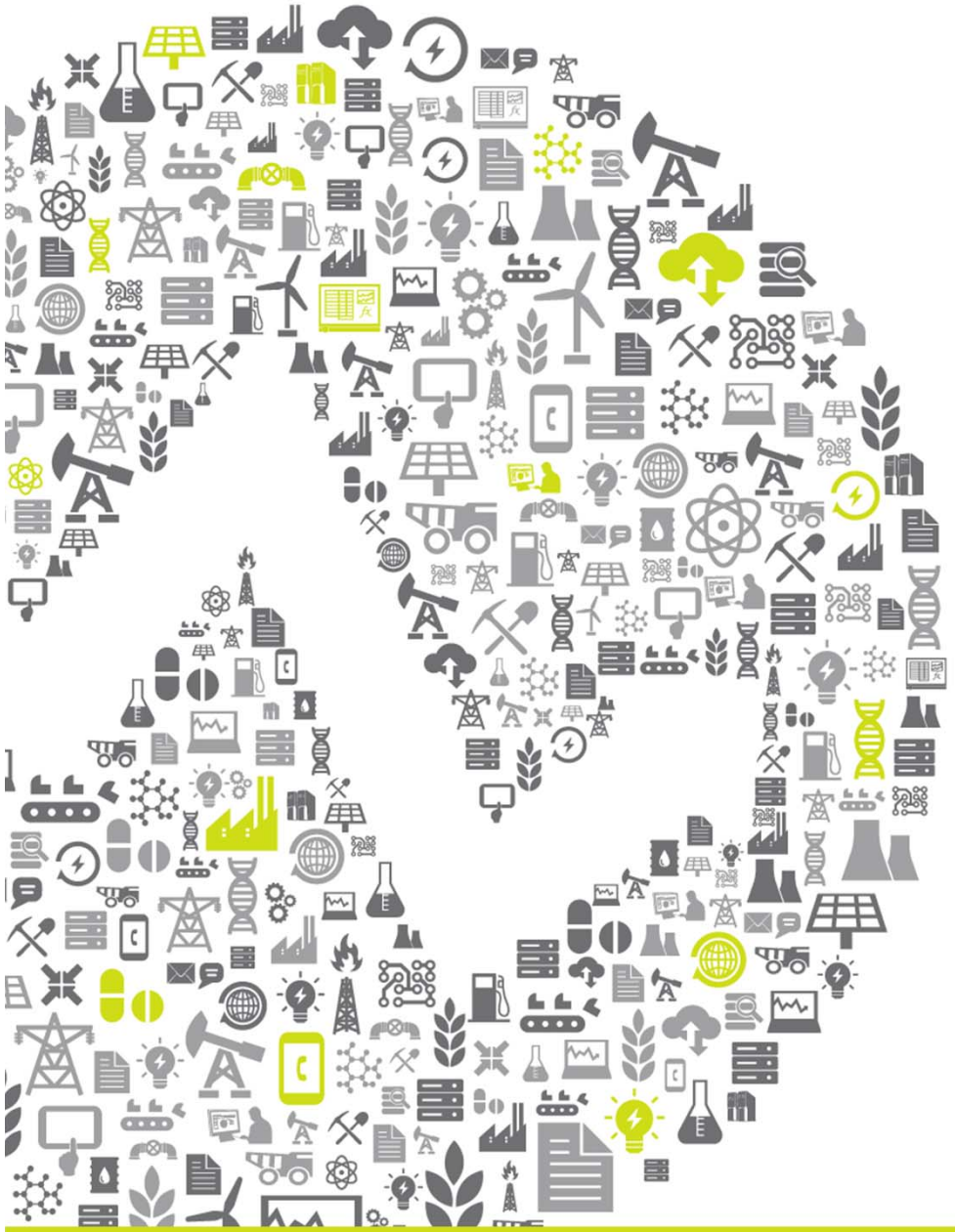


Asset-Centric PI System

- PI Server with PI Asset Framework (PI AF) provide an asset-centric representation of your assets
- Establish relationships
  - Hierarchies, categories, references
- Standardize, common view
  - Templates for similar assets
- Provide asset relative context for PI clients

New PI System Usage Scenario

- You want to create an asset structure of several pumps in your plant
- These pumps have measurements that you want to collect and archive into your brand new PI Server
- You have installed PI interfaces to collect data



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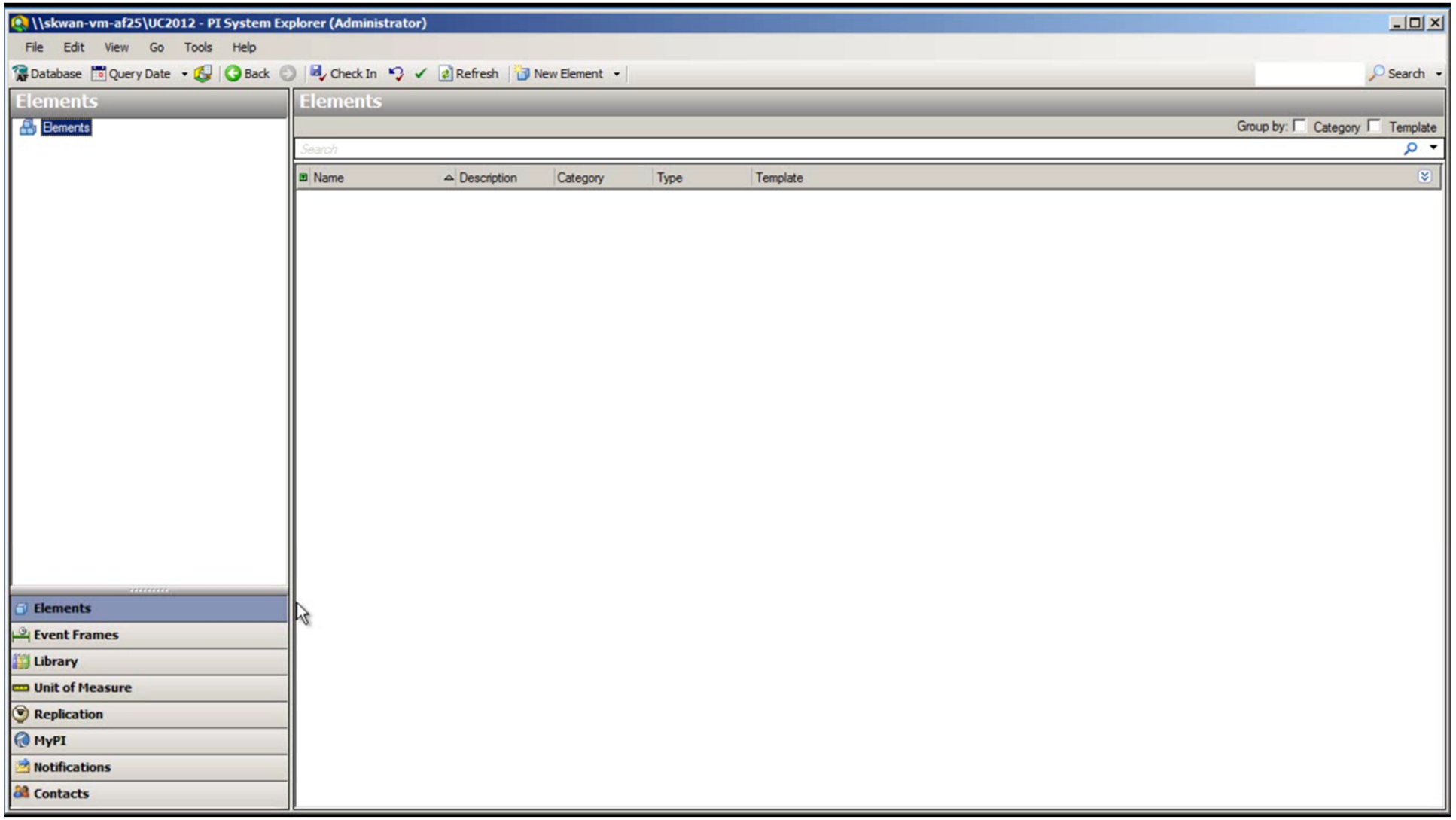
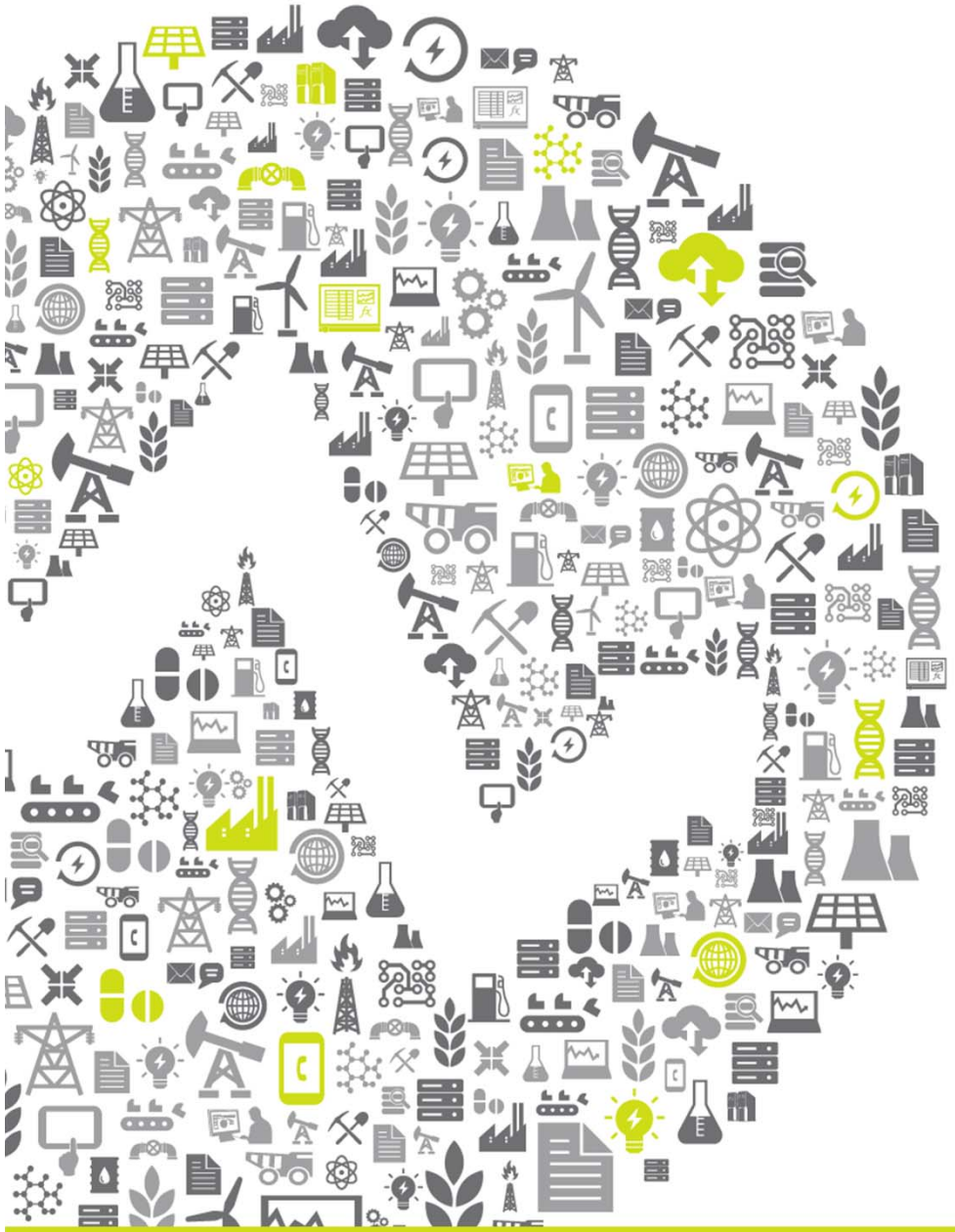


Migration Usage Scenario

- You have one or more existing PI Servers
- You want to implement PI AF
- You want to reuse what you've already done and not have to redo everything
- You want to start small and build it up over time



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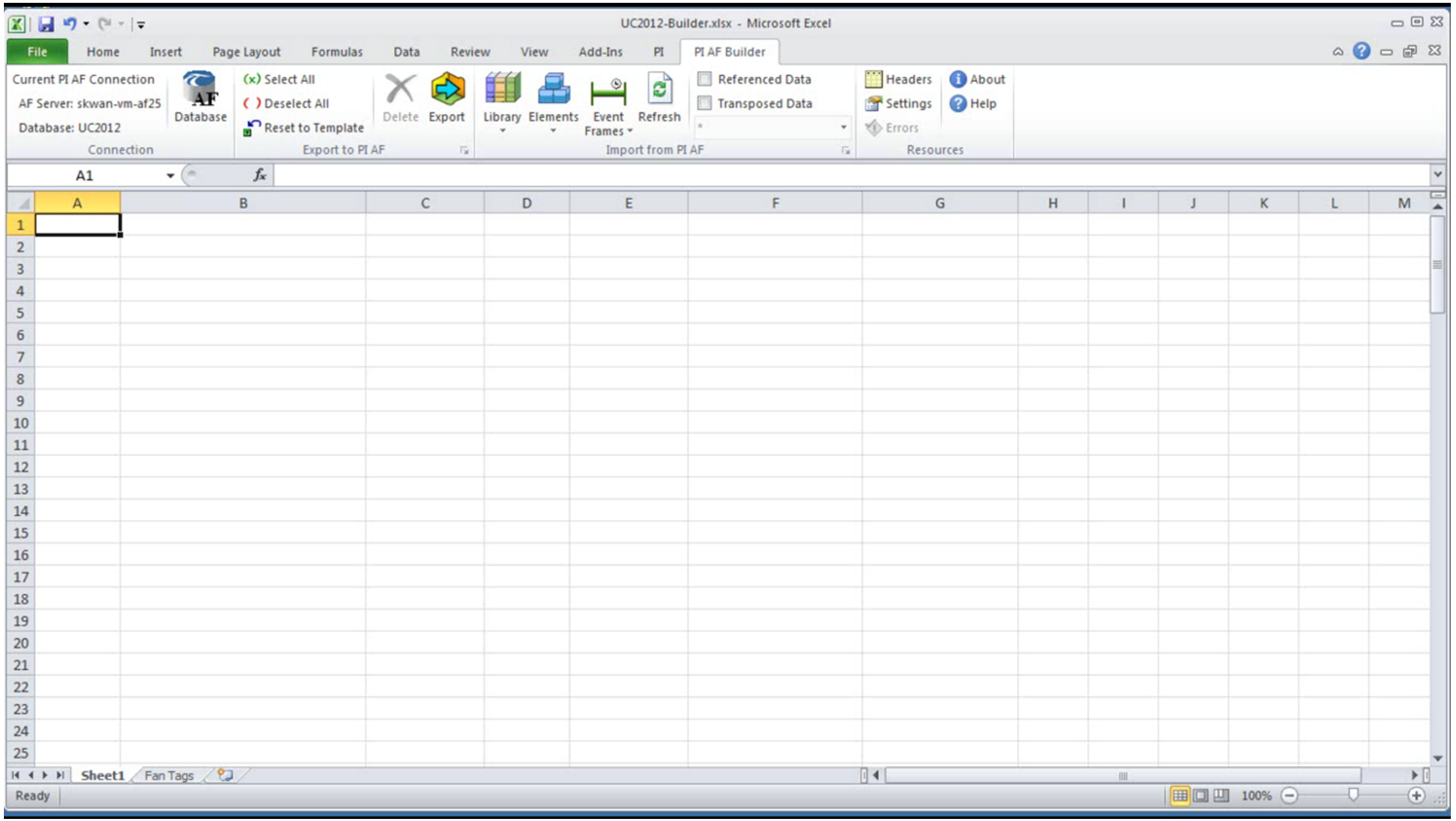
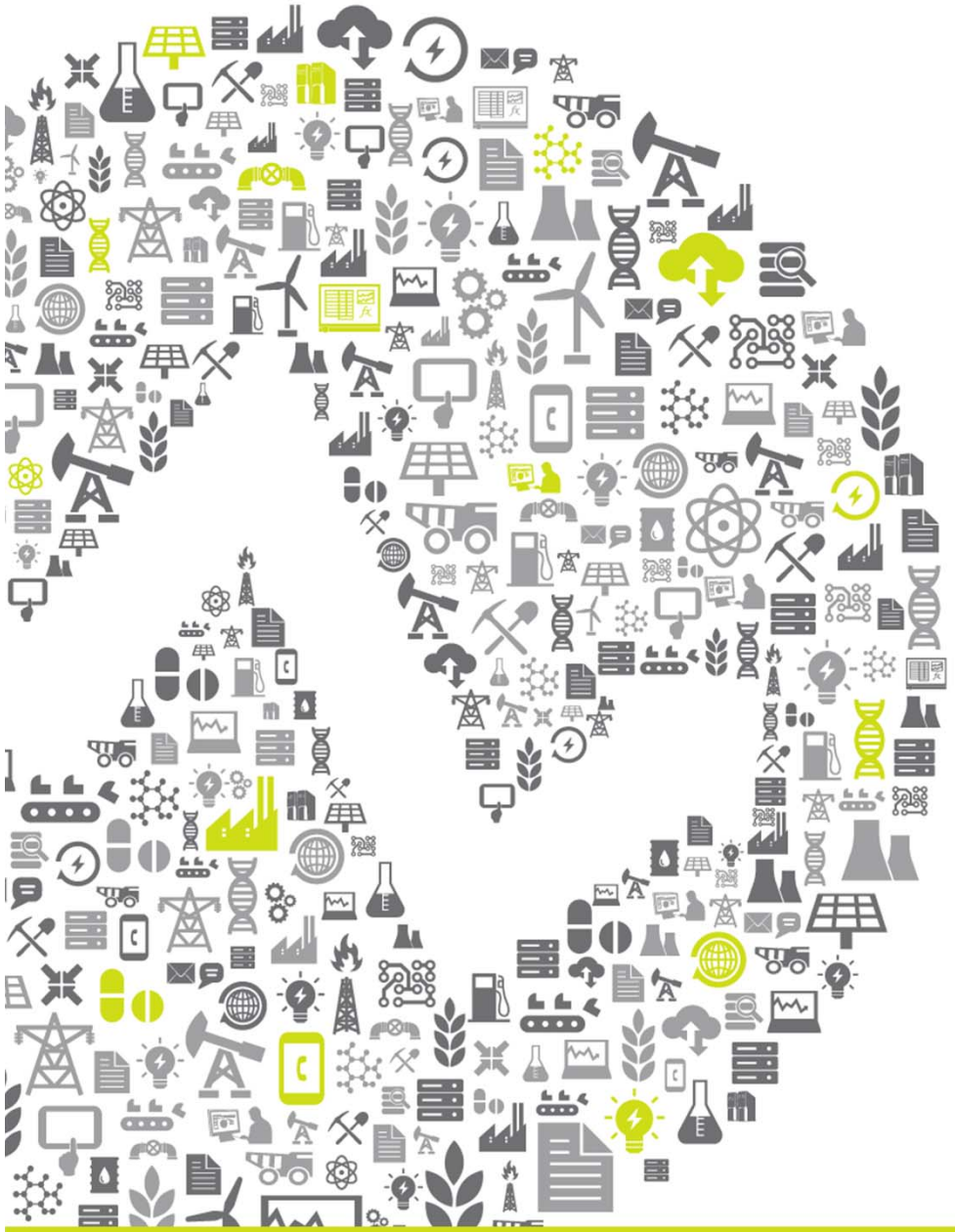


External Data Usage Scenario

- You have other data besides time series data from PI Servers
- You want to create references to these data from PI AF
- Have everything in one place – more global view of your data
- Allows you to get more value out of your data



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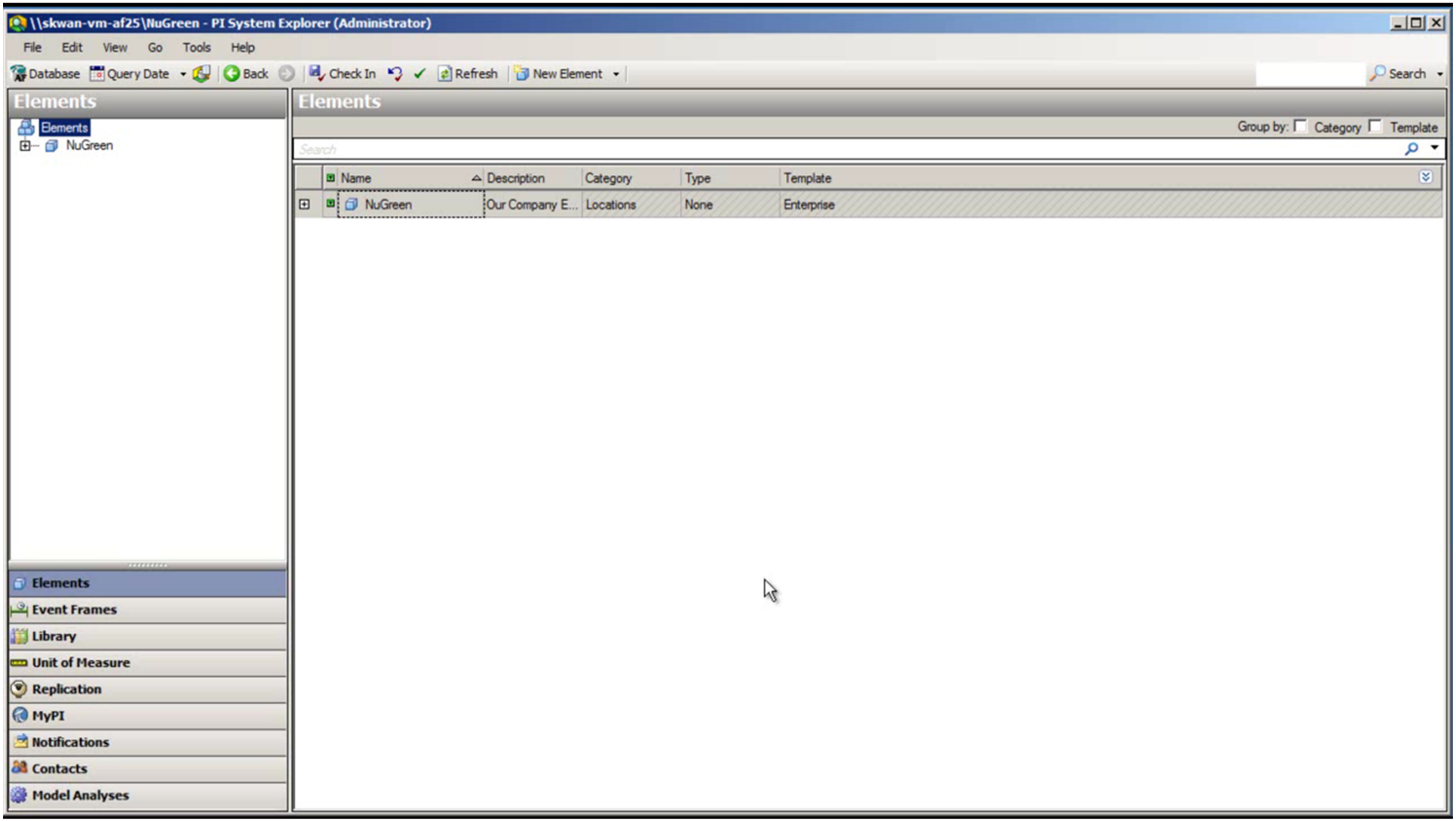

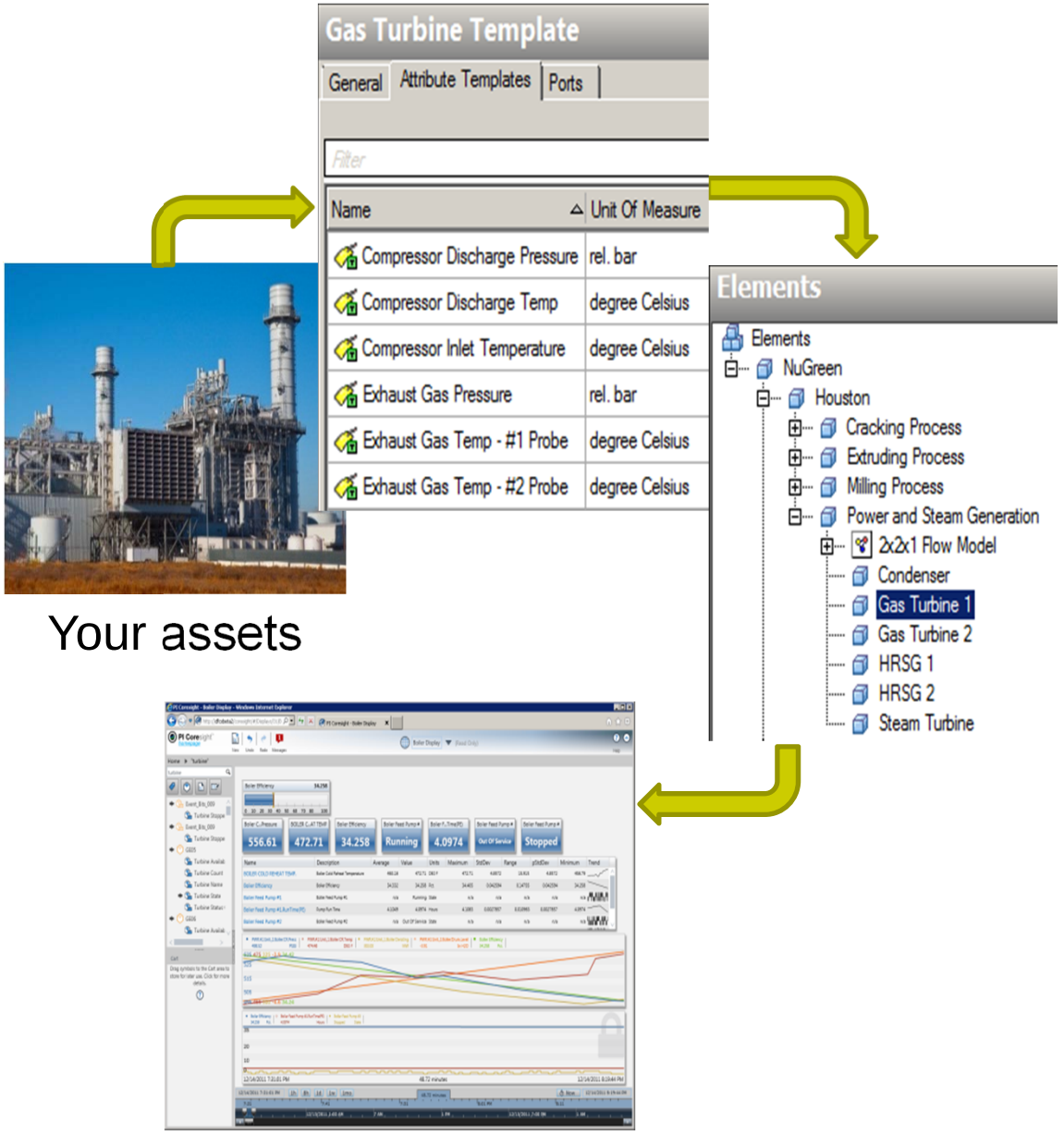

Building an Asset Centric PI System

- Start small and get immediate value
- Expand your asset model with every use
- Use templates to ensure uniformity and enforce standards
- Use data from disparate sources to build a complete picture of your assets
- Reuse your investment in other OSIsoft products

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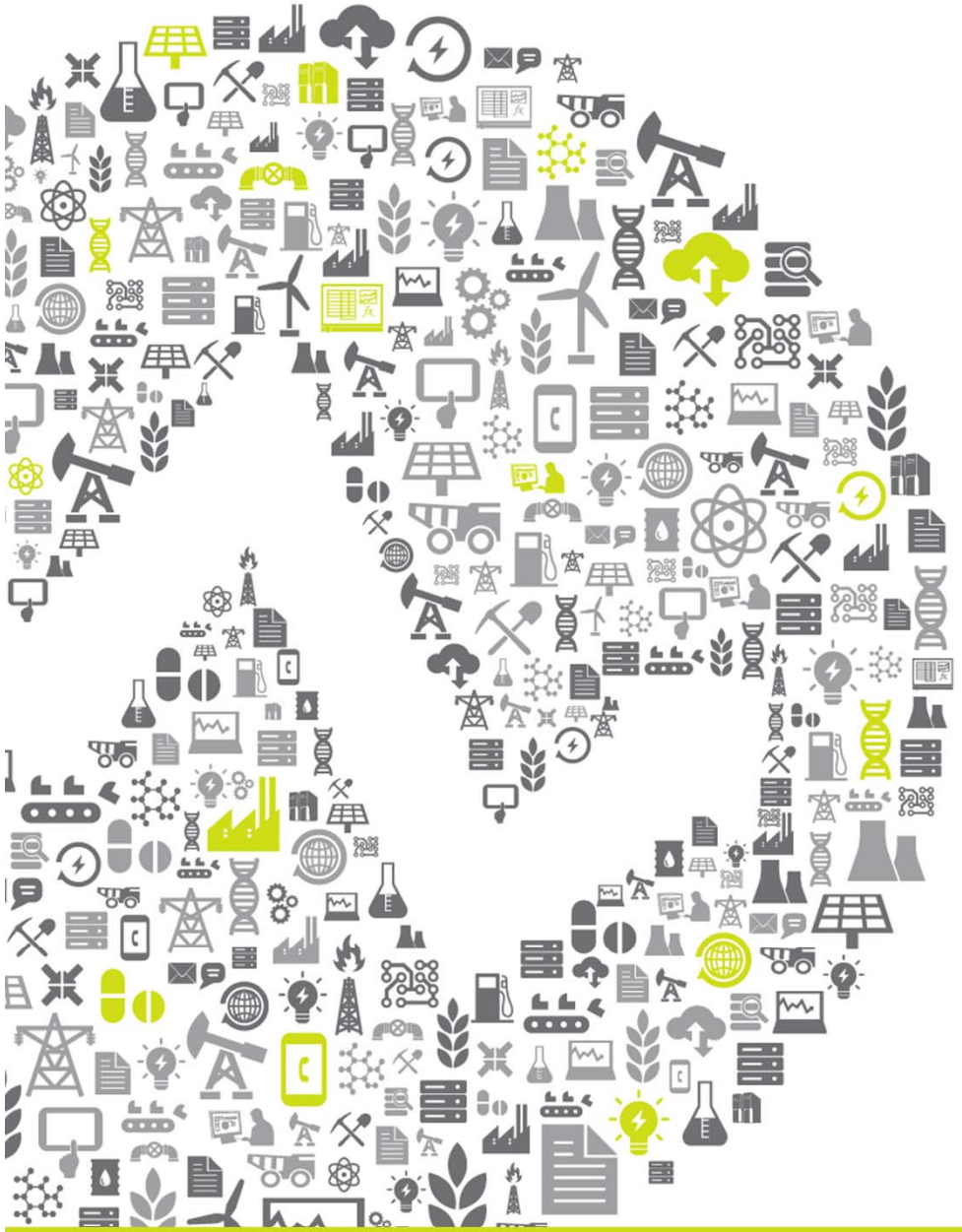

THANK YOU

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