



Going Digital Leveraging the Modern PI System

O&G Midstream, HPI, & Chemicals Tract

Craig Harclerode, Global O&G Industry Principal



Welcome!

O&G Midstream

Hydrocarbon Processing Industries(HPI)

- **Petroleum Refining**
- **Petrochemicals**
- **LNG**
- **Lubes**
- **Asphalts**
- **Biofuels**

Chemicals

The O&G/HPI & Chemicals Team

Global Industry Principals



Cindy Crow
(Houston)



Craig Harclerode
(Houston)



Russell Hebert
(London)



Stephen Reynolds
(Chicago)



A Big Thank You to our Speakers & Their Company Support!



PARTNER & PRODUCT EXPO

Today's Expo Hours
10:00 AM – 7:00 PM
Golden Gate and Yosemite



**The use cases should be viewed as
“art of the possible” of the PI System**

**focus on the capabilities, functionality
and the approach taken**

Best Practices in Going Digital



Use of an Operational Data Infrastructure with **configurable Digital Twin Templates** – aka “The Modern PI System”



Subject Matter Experts

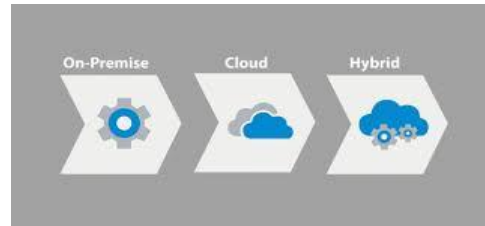
Operational Intelligence – “in context”

Stakeholders – “Secure & Governance”



Defined Analytical Framework

Layers of Analytics from the Edge to the Cloud



OT/IT Hybrid Data Lake

On Prem/Private AND Cloud/Public

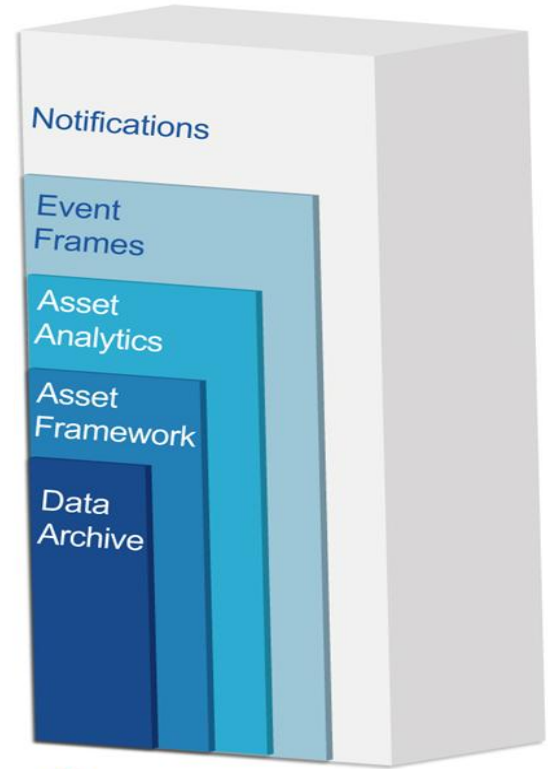
Key Thought....



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