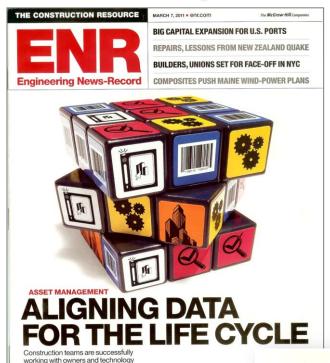


Asset Lifecycle Information Management (ALIM)

Andy Chew – Industry Solutions Manager

Time in Market ...

Asset Lifecycle Information Management

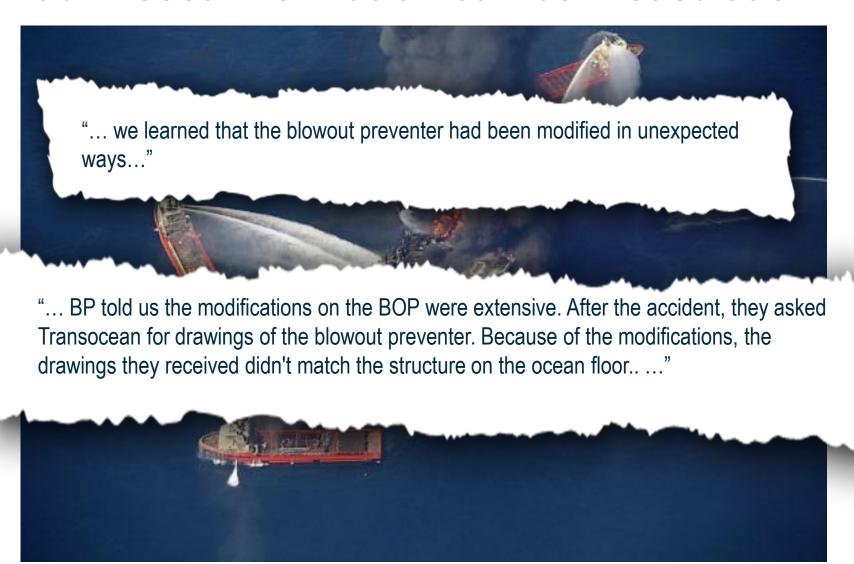


working with owners and technology vendors to solve the Rubik's Cube of construction: capturing data into facilities models so managers can be up and running from day one



or owners, the Rubik's Cube of construction is reducing, repurposing and augmenting design and construction data into accurate and useful facilities models for operations and maintenance. Now, owners, designers, builders, facilities managers

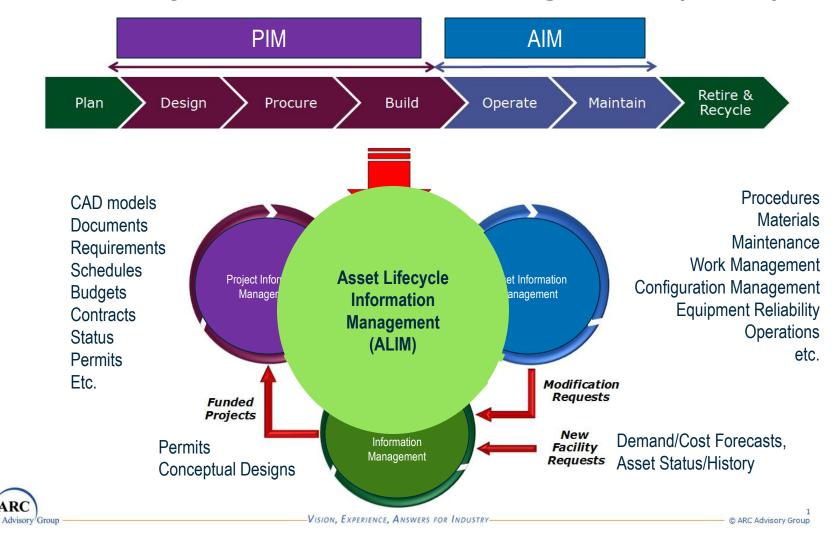
Poor Asset Information can be Disastrous



Source: House Committee on Energy and Commerce hearings on the Deepwater Horizon disaster



Asset Lifecycle Information Management (ALIM)

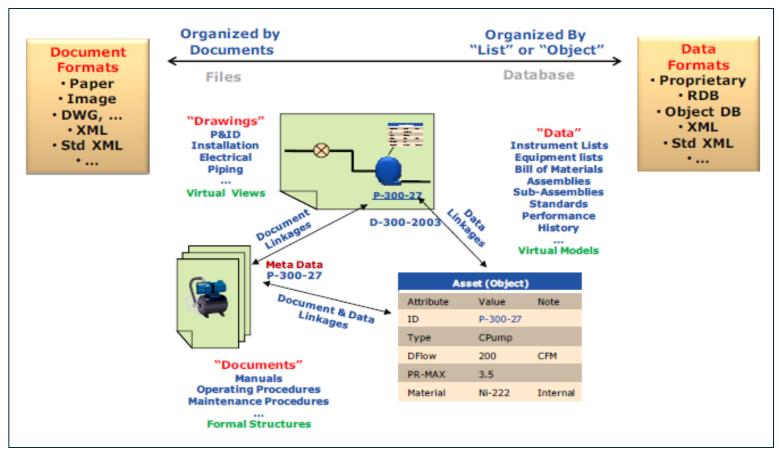


Forecasts, Projections, Status Reports, Histories, Configurations, Permits, Regulations, etc.



ARC

Ideal Asset Information Management



Source: ARC Advisory Group

In reality....Some common causes...

Project Delivery

- Difficulty locating data
- Incomplete information
- Incorrect version of data
- Design changes / re-work
- Late detection of clashes / anomalies
- Difficult team co-ordination

Operation & Maintenance

- Ownership of asset data
- Incomplete / inaccessible data
 - Physical
 - Contextual







Cost Analysis of Inadequate Interoperability in the U.S. Capital Facilities Industry

40% of engineering time is spent locating & validating information

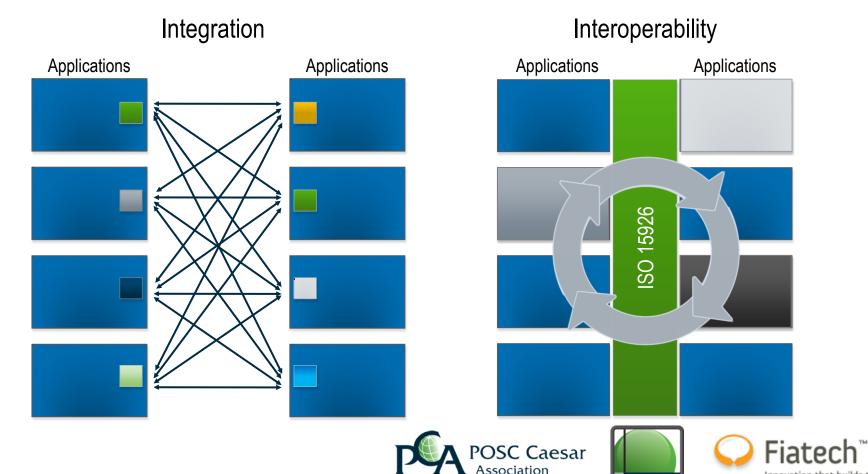
Poor communications between people and systems wastes 30% of project costs

The delivery of reliable data defining the asset upon completion can deliver a saving in O&M cost of 14% per annum.



Integration and Interoperability

Key it once and connect or merge my information with your information





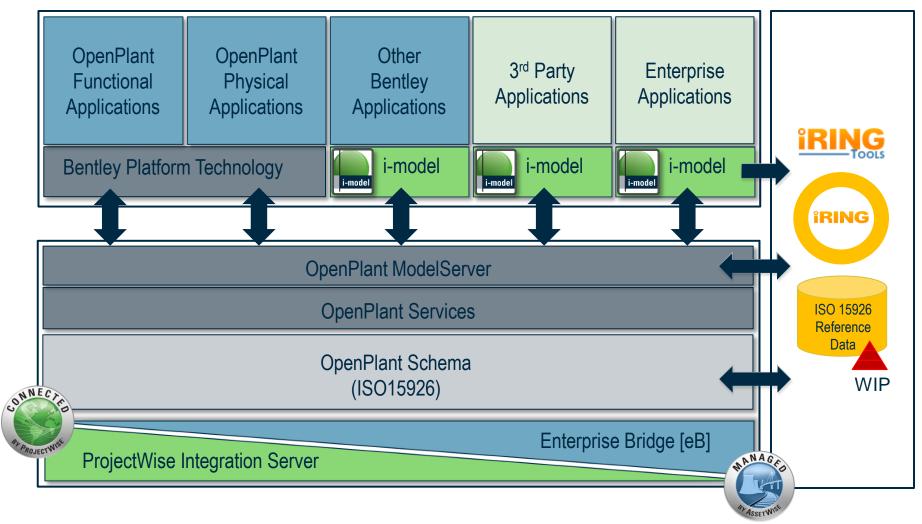
i-model

Innovation that builds the world

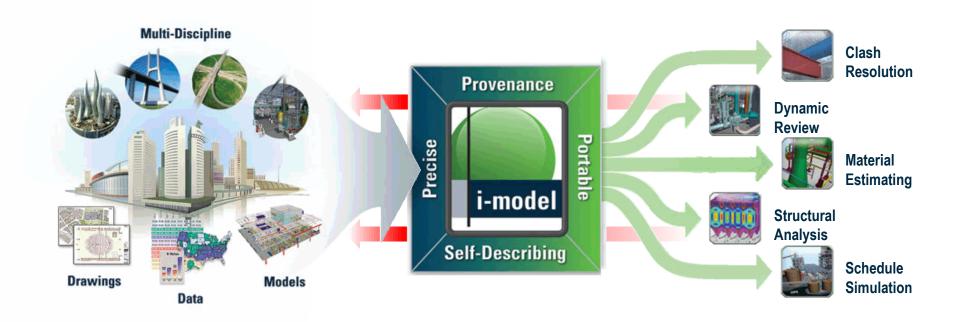
Silo Operation

Multiple **Project System Minimal** Systems - ERP, **Integration - No** Resource EMMS, WBS, communication CAD, etc of change between apps ORACLE **PRIMAVERA** Maintenance S, treel S, EMC² **Operating in** Reports Case **Silos** Safety Operation

Tying into the OpenPlant Design Environment



i-model Container Open Information Exchange



Precise

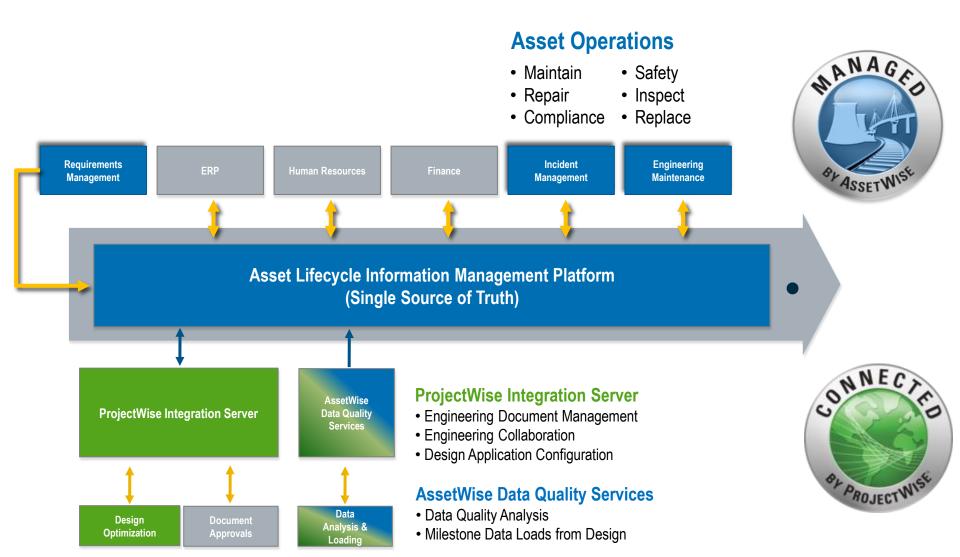
Provenance

Self-Describing

Portable

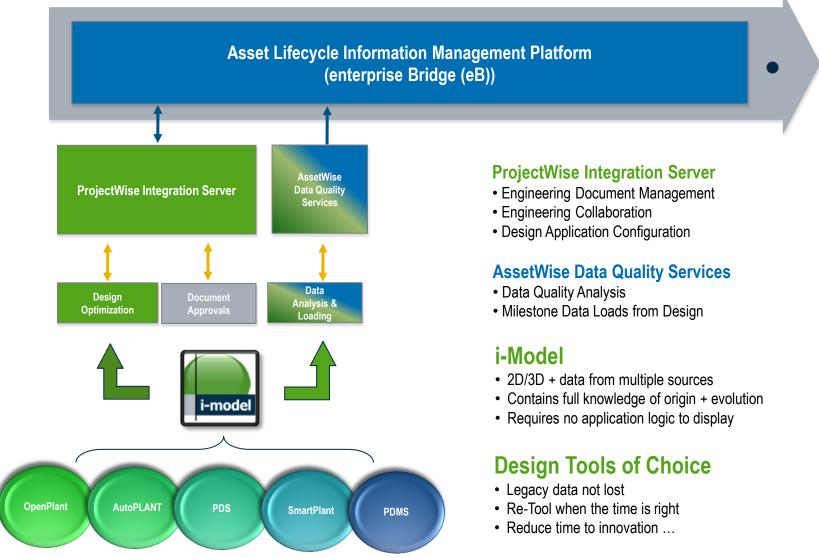


Infrastructure for Asset Engineering and Operations



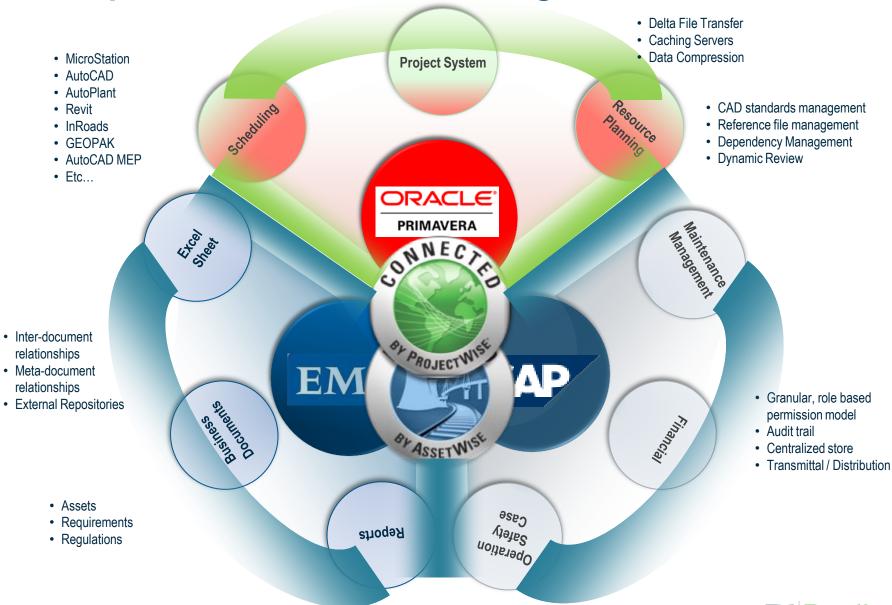


Infrastructure for Asset Engineering and Operations





Interoperable Information Management Platforms



Thank You

