ids-adi.org

The iRING

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POSC Caesar Members Meeting– Houston
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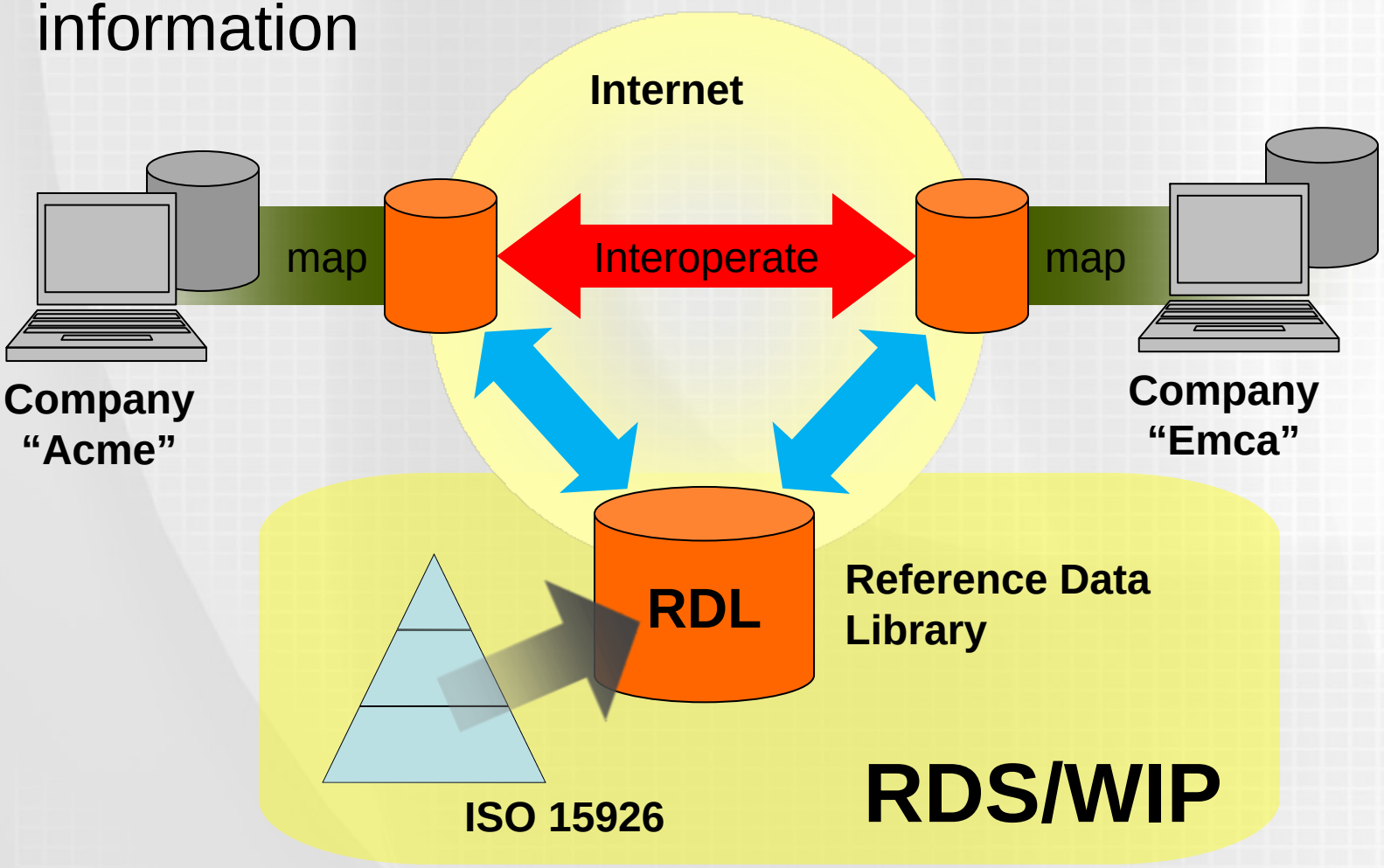
What is ISO 15926?

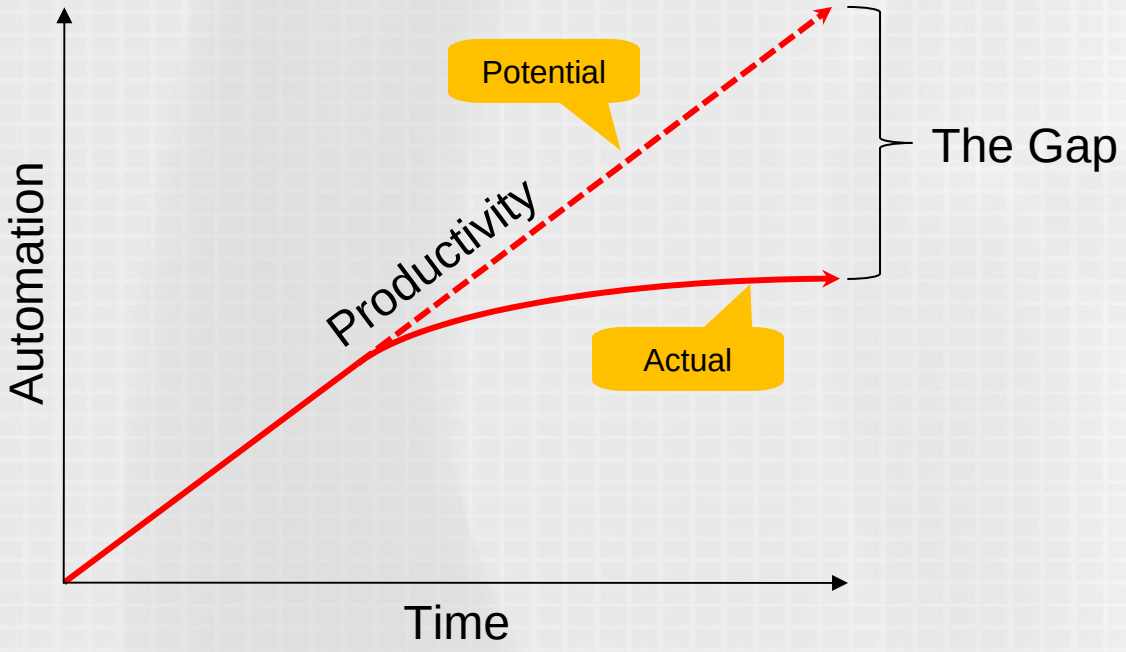
- Simple answer: ISO 15926 is a standard for interoperability and the integration of lifecycle information



Questions?

- Is ISO 15926 something you would use between companies?
- Is ISO 15926 something you would use inside your company?
- What is your interest in ISO 15926
  - Data exchange?
  - Integration?
  - Reporting?
  - Analysis?
  - Visualization?
  - Knowledge search?

Productivity

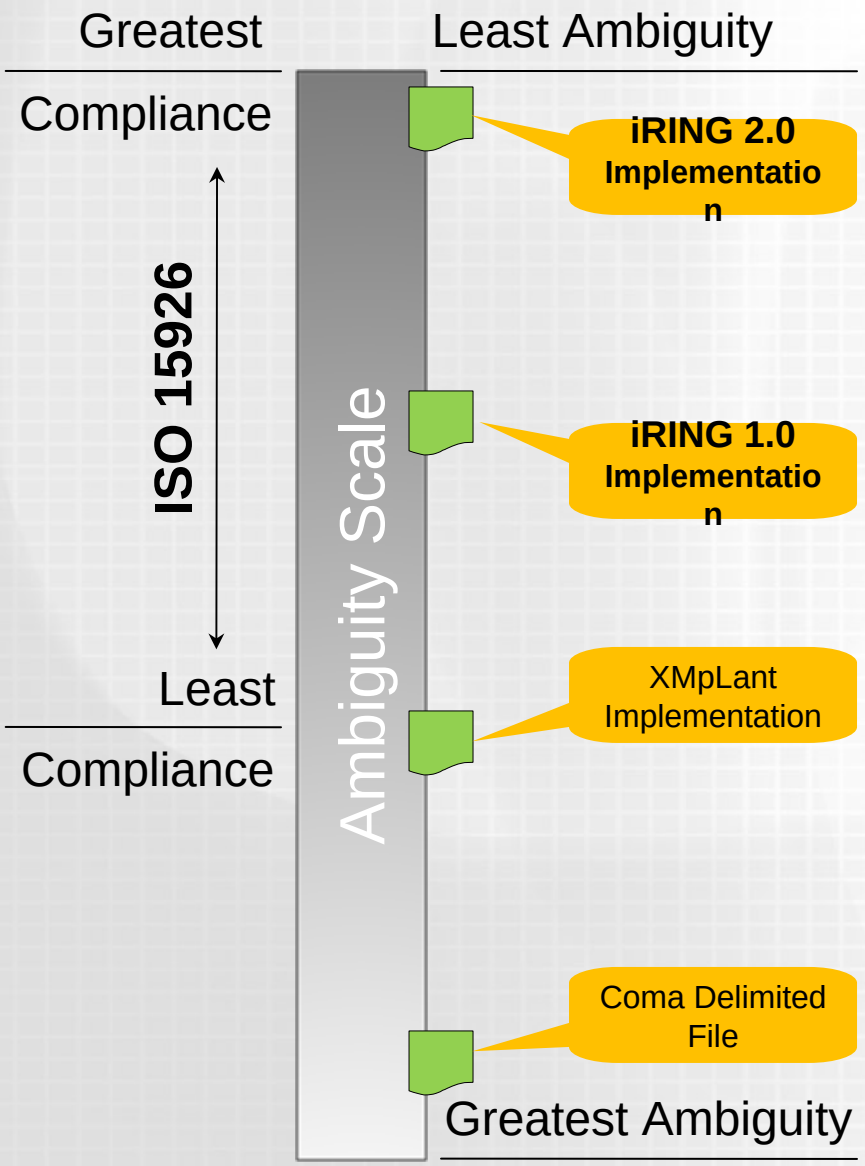


- Use of automation has resulted in productivity improvement but gains are not keeping pace with investment and expectations
- How can we break through the “Gap”?

Information Ambiguity

- Data exchanges operate most successfully when ambiguity is eliminated
- Ambiguity between exchanging partners can require significant effort (labor) to remove
- The higher the ambiguity, the higher the cost to implement effective and efficient data exchanges

Ambiguity = Cost



Information Modeling

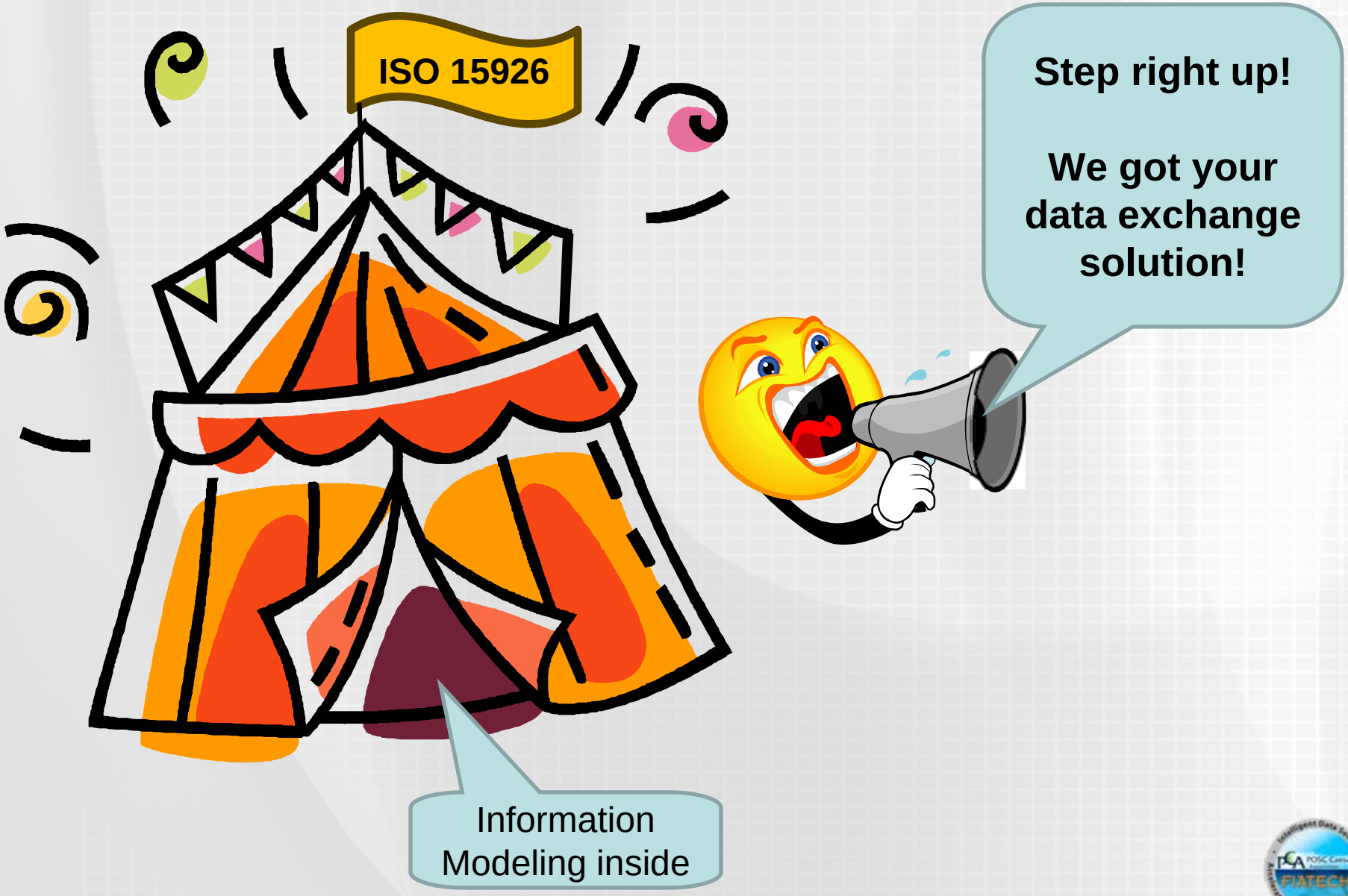
- When we apply automation, we focus on our processes
- Our information tends to be implied or is assumed
- Our current approach to information modeling results in a certain amount of ambiguity
- To gain productivity and close the “Gap” we need to rethink how we model our information
- *Information Modeling is at the core of ISO 15926*
- *ISO 15926 Information Modeling is the key to* ***removing ambiguity***

Top Down versus Bottom Up Modeling

Top Down: The best get together to make the ultimate industry models

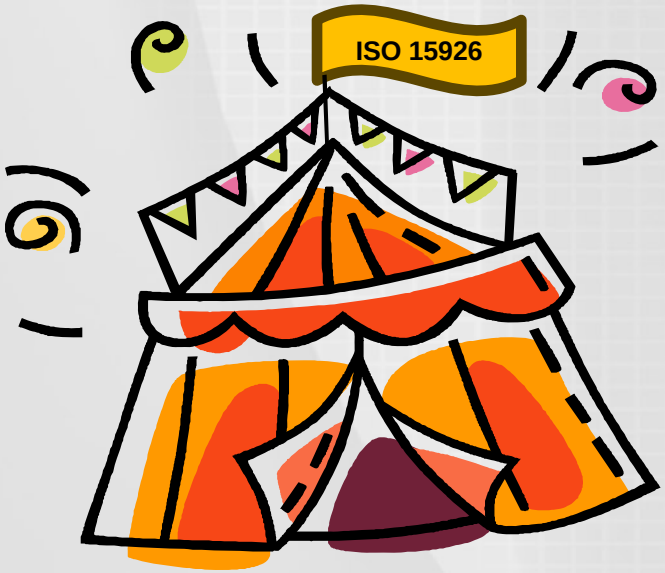
Bottom Up: You are on a project and you need the model now!

You need a Data Exchange Solution

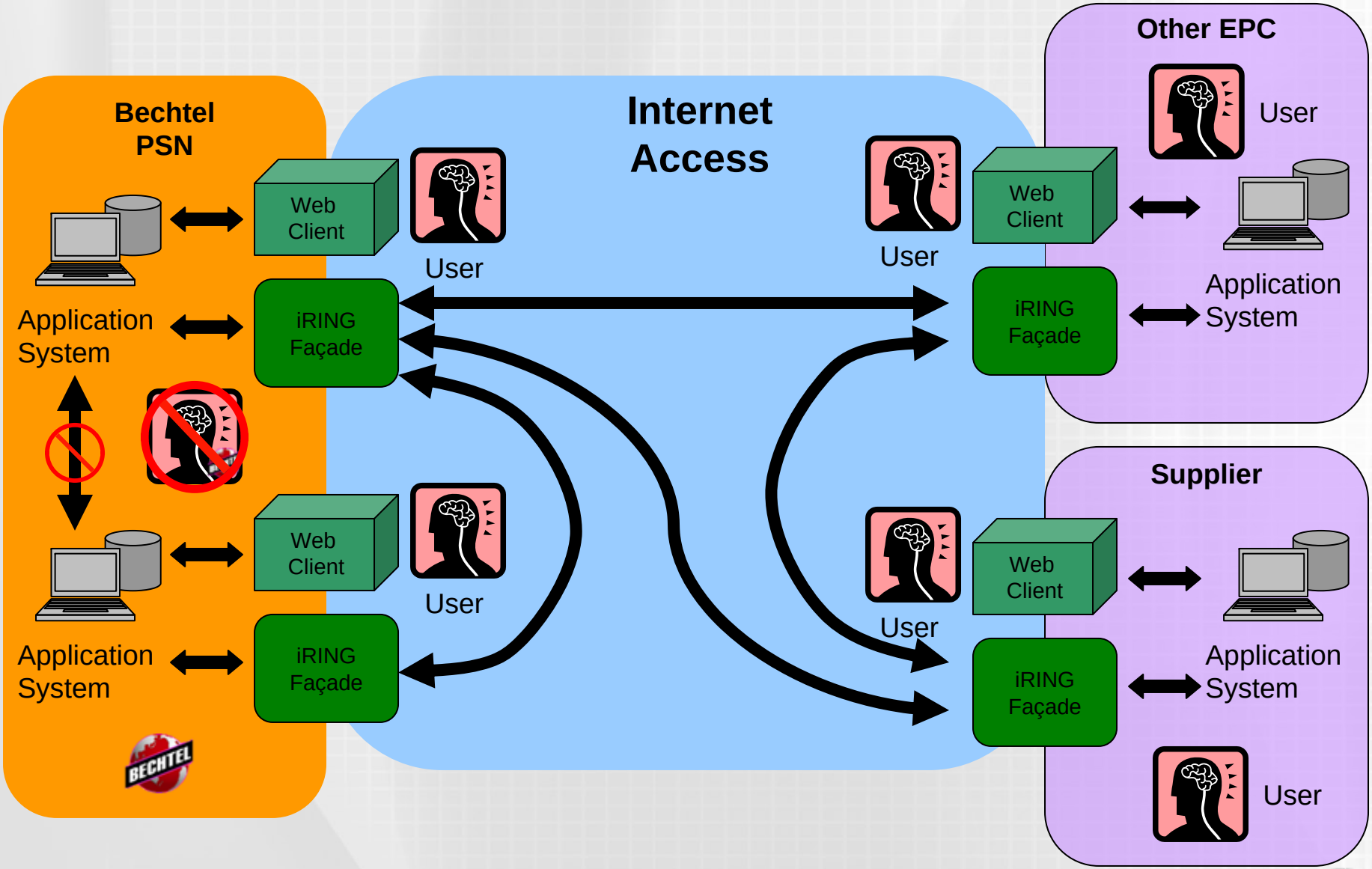


Extending Beyond Data Exchange

- Lifecycle information integration
- Cross-application reporting
- Analysis
- Visualization
- Knowledge search
- Other…



Internal versus External



Camelot and the iRING

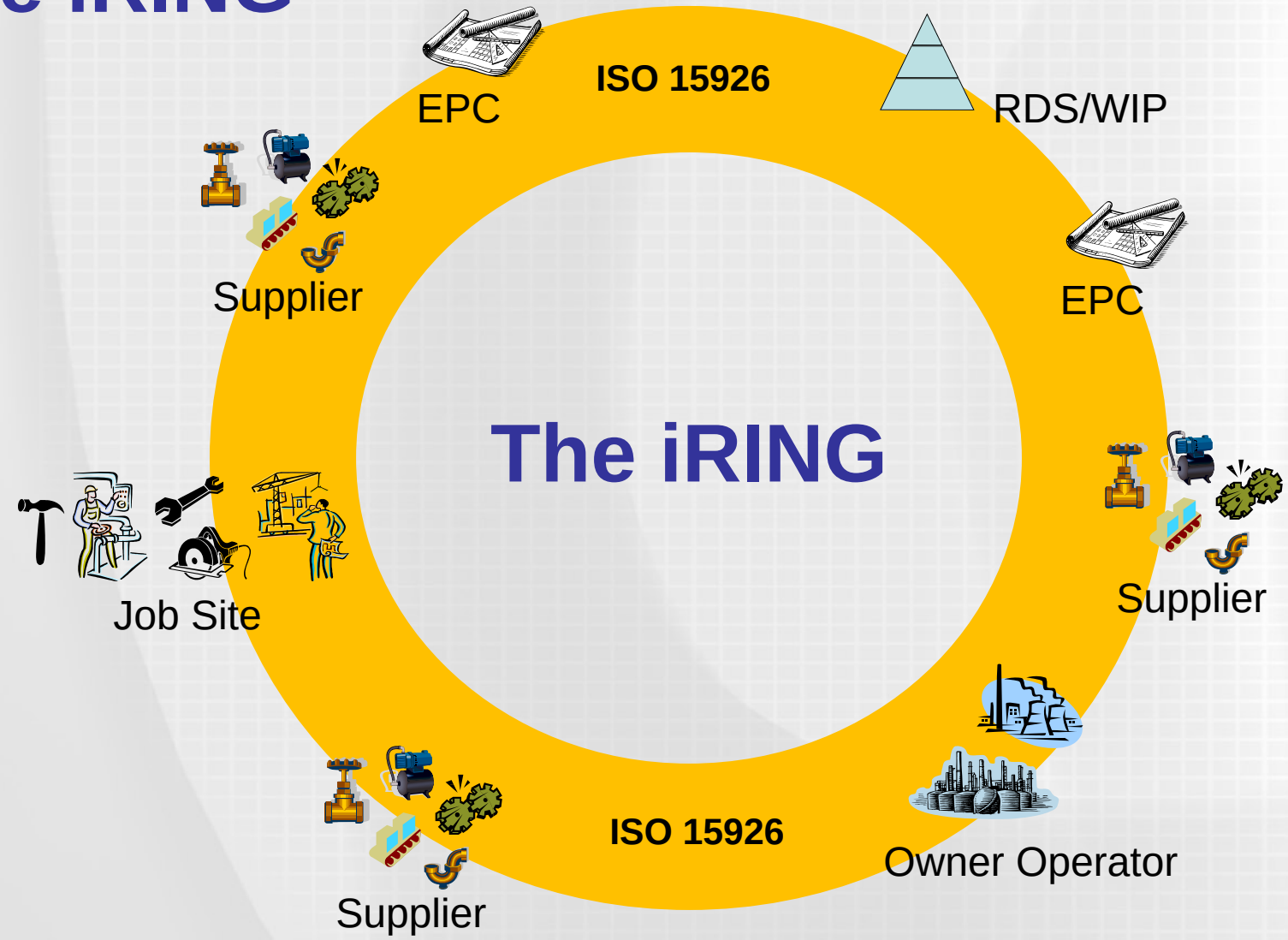
- Camelot is an industry collaboration project (POSC Caesar/FIATECH, IDS-ADI)
- Companies participating in Camelot:
  - Bechtel
  - Bentley
  - Chevron
  - Consolidated Contractors Company (CCC)
  - DNV
  - Emerson Process Management
  - Fluor
  - Hatch
  - NRX Global
  - Tata Consultancy Services (TCS)

Camelot Objectives

- To build and deploy an ISO 15926, open source infrastructure on the internet and to show the following capabilities:
  - The use of ISO 15926 in modeling business information
  - The setup, configuration, and use of publicly available tools to map legacy systems to ISO 15926
  - The demonstration of several data exchange scenarios between several companies using ISO 15926 over the internet

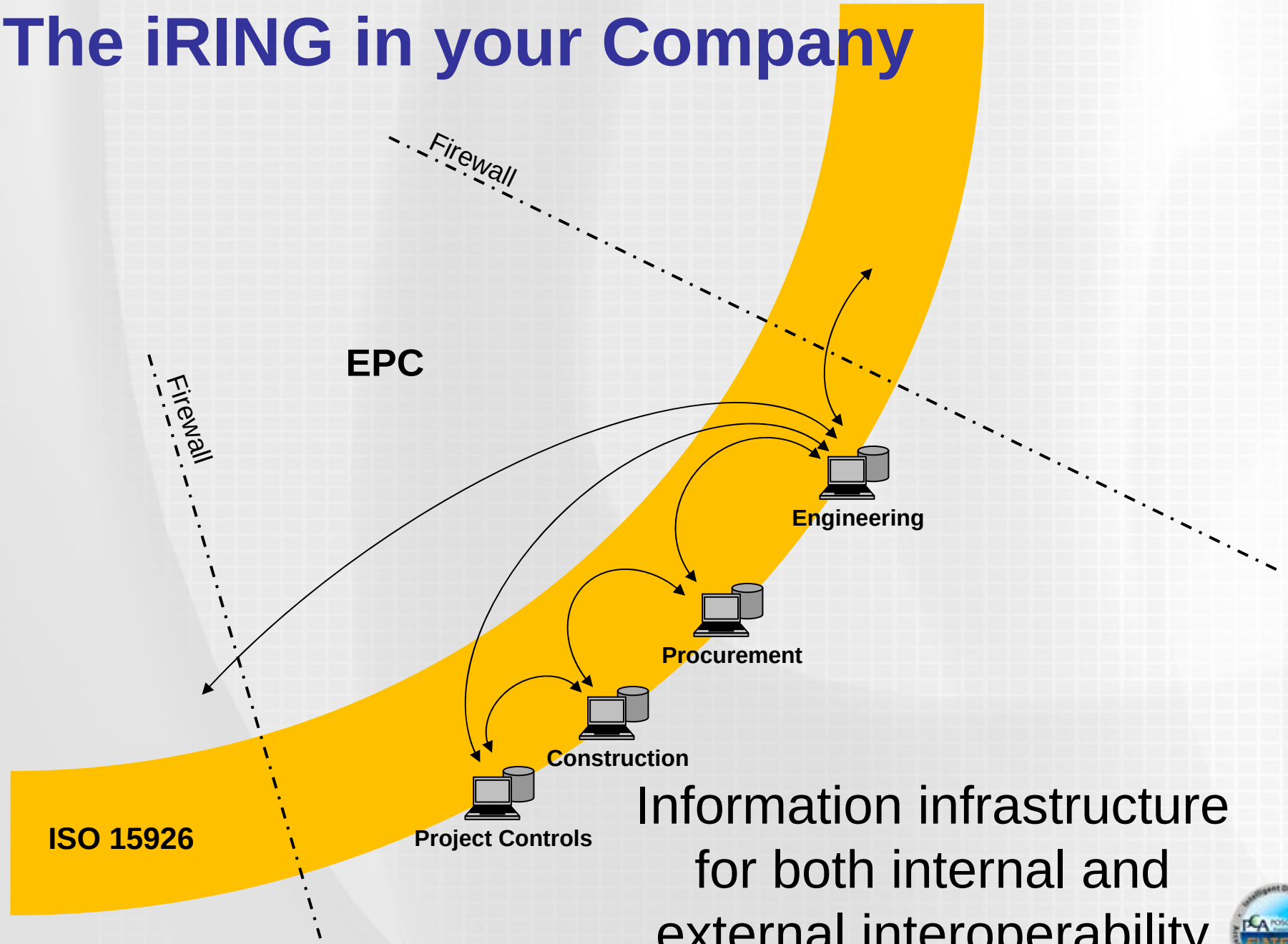
… *and make all of the deliverables available in the public domain, ready for business use by May 28th 2009*

The iRING



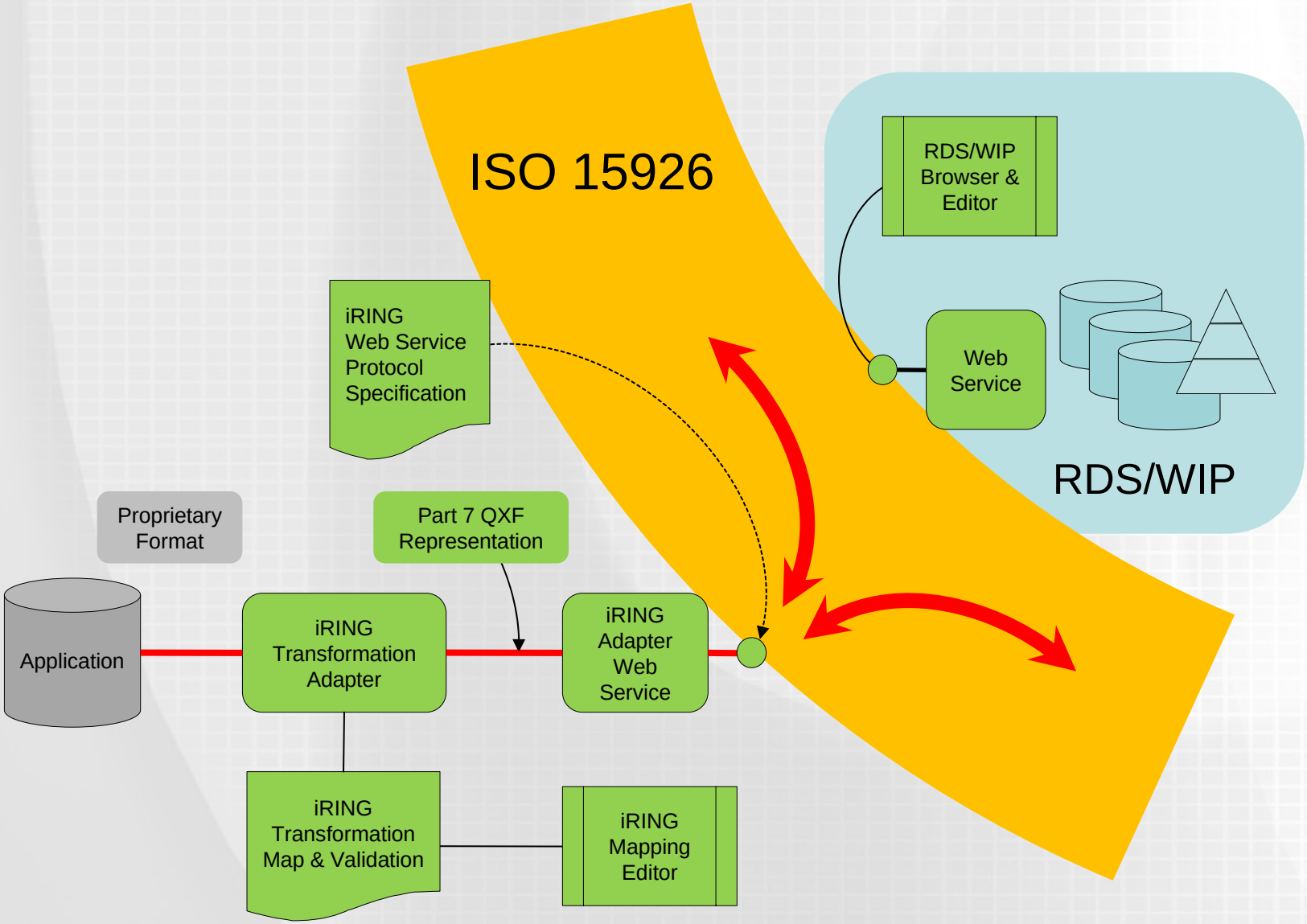
ISO 15926 **R**ealtime **I**nteroperability **N**etwork **G**rid

The iRING in your Company



Information infrastructure for both internal and external interoperability

iRING v1.0 Deliverable

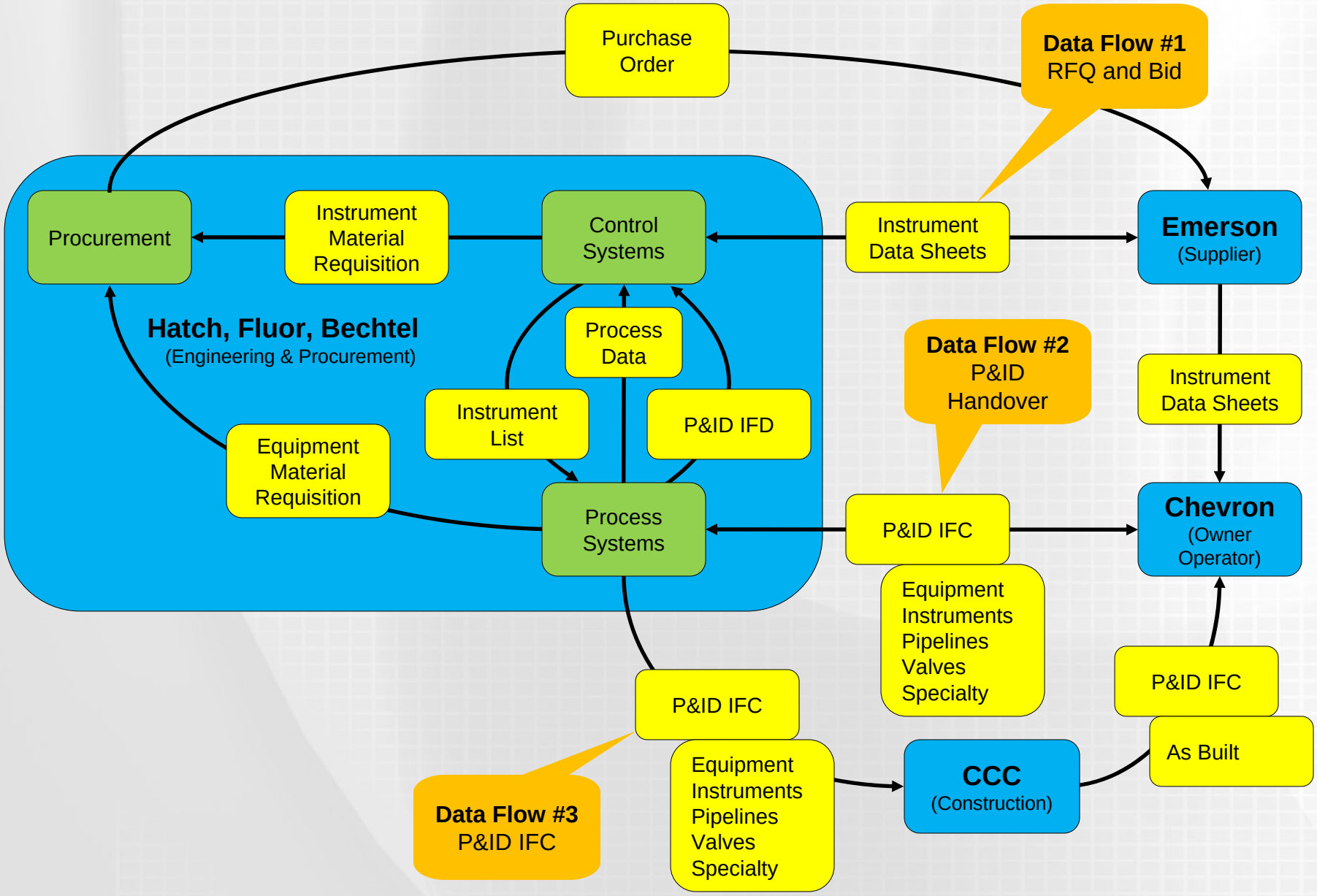


Note: Components shown in green are included in the May 29th, 2009 delivery

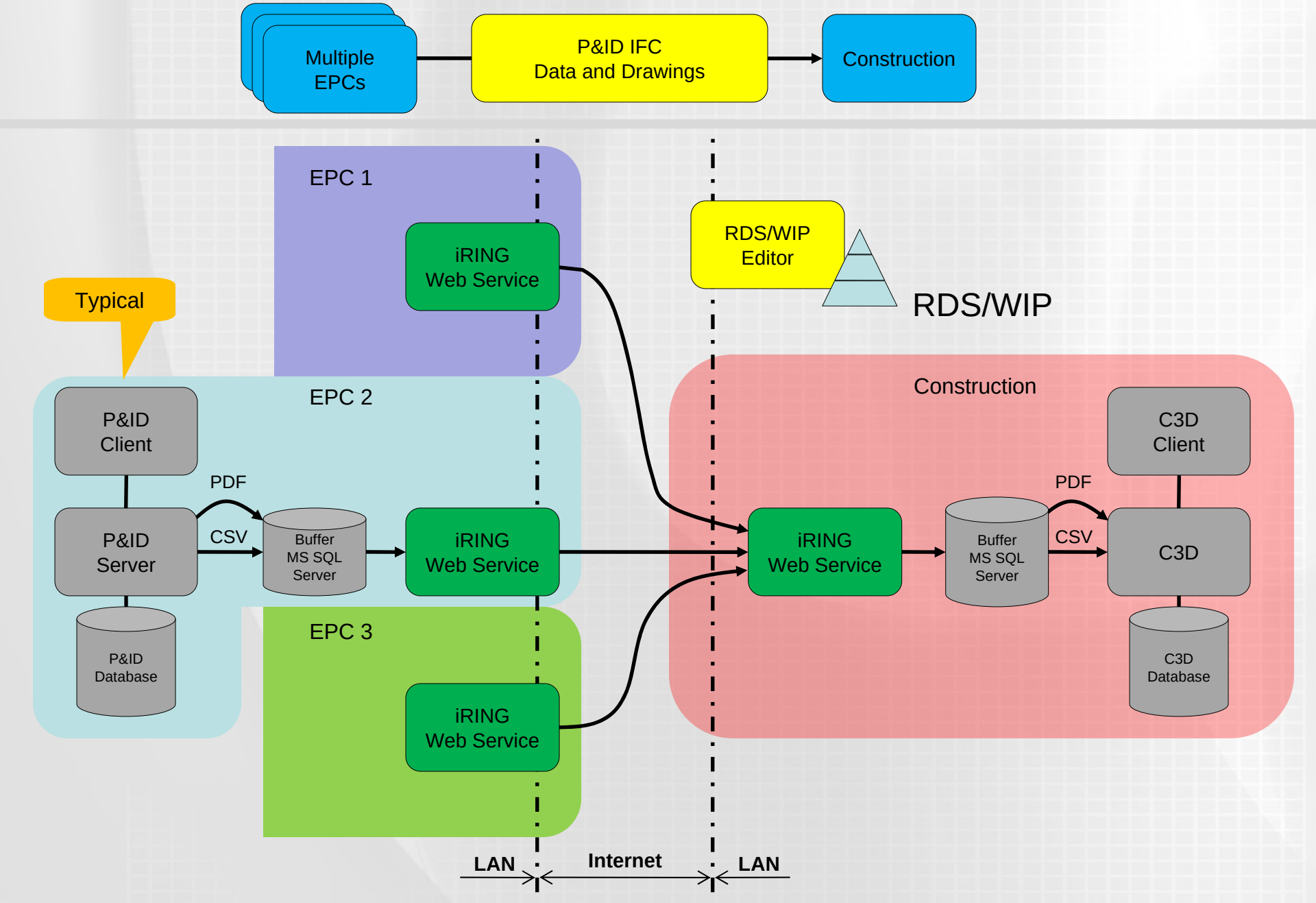
iRING – The Demonstration

- Camelot project will demonstrate the iRING and Information Modeling at the FIATECH Conference in Las Vegas, April 6-7, 2009

Camelot Demonstration Storyboard



EPC to Construction – Data Flow #3



The Takeaways…

- Demonstration at FIATECH, April 6 – 7th
  www.fiatech.org
- iRING available May 28th, 2009
  https://secure.ids-adi.org/repository/org/ids-adi/camelot
- IDS-ADI Project – http://ids-adi.org

Get the iRING!

Your Questions?