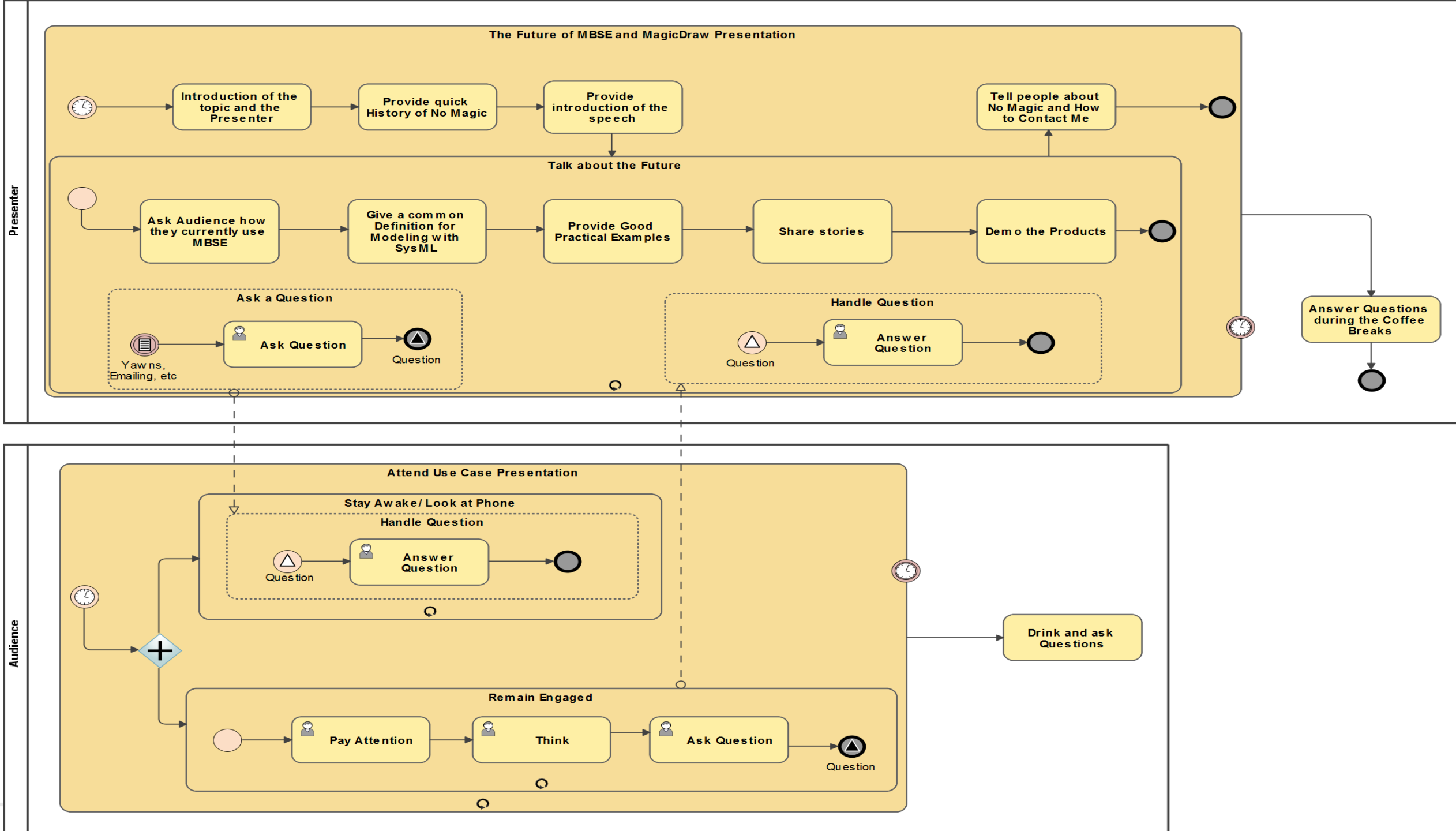
The Future of MBSE with MagicDraw

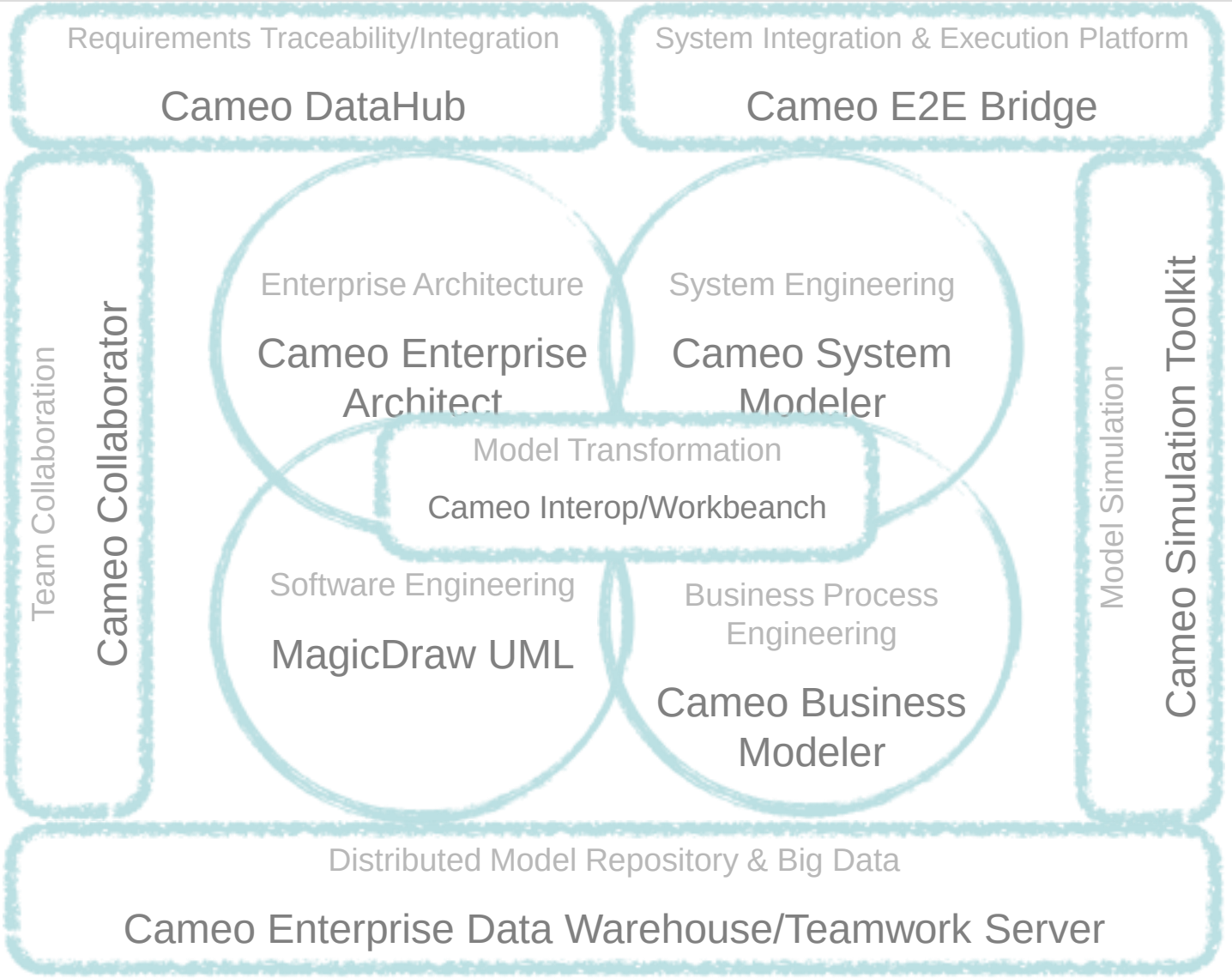
Jason Wilson
Director, Solution Architecture & Business Development

Jason Wilson Background

- Director, Business Development & Solution Architecture
- 5+ years @ No Magic Inc.
- 8+ years with MagicDraw
- On Going
  - Product Manager
  - Requirements Engineer
- Former
  - Director of US Development
  - Group Leader
  - Project Manager
  - Account Executive


Presenter
The Future of MBSE and MagicDraw Presentation
Introduction of the topic and the Presenter
Provide quick History of No Magic
Provide introduction of the speech
Tell people about No Magic and How to Contact Me
Talk about the Future
Ask Audience how they currently use MBSE
Give a common Definition for Modeling with SysML
Provide Good Practical Examples
Share stories
Demo the Products
Ask a Question
Yawns, Emailing, etc
Ask Question
Question
Handle Question
Question
Answer Question
Answer Questions during the Coffee Breaks
Audience
Attend Use Case Presentation
Stay Awake/ Look at Phone
Handle Question
Question
Answer Question
Drink and ask Questions
Remain Engaged
Pay Attention
Think
Ask Question
Question

No Magic Model Based Framework

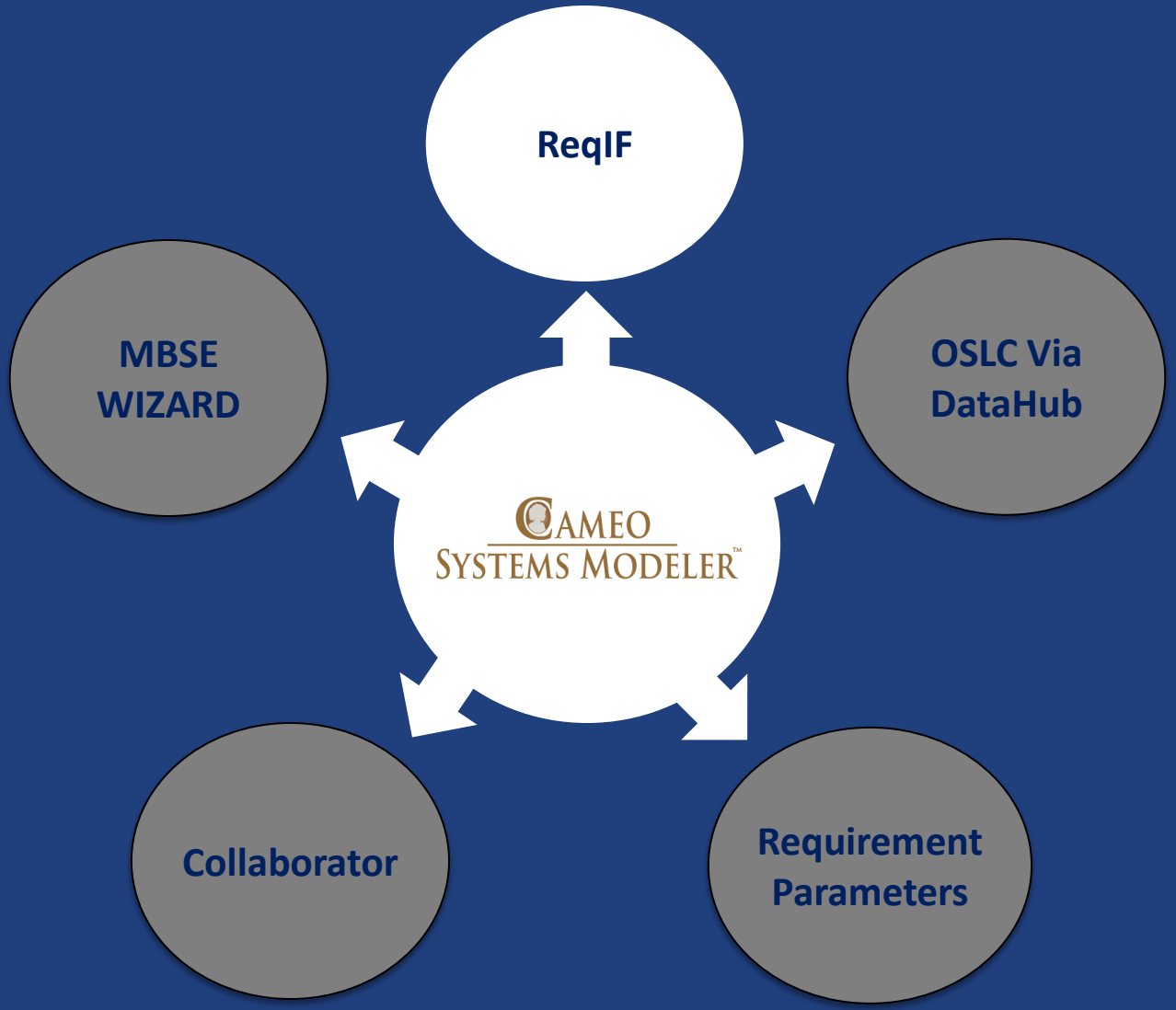


AGENDA

- ReqIF
- OSLC via Cameo DataHub
- Requirements Parameters
- MBSE WIZARD
  - Demo
- Collaborator
  - Demo from WIZARD

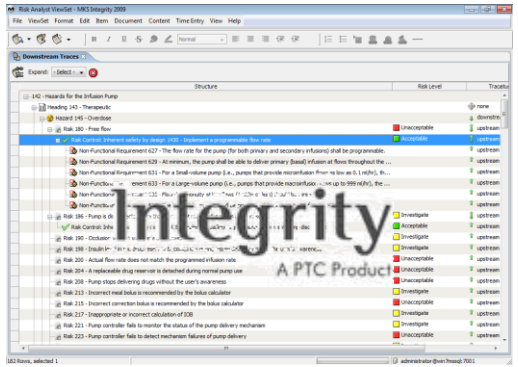
No Magic's Solution

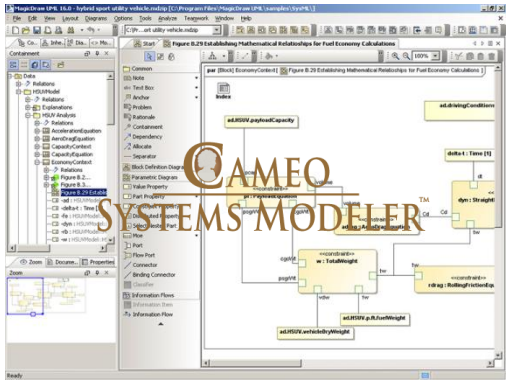
No Magic's Solution



ReqIF Import

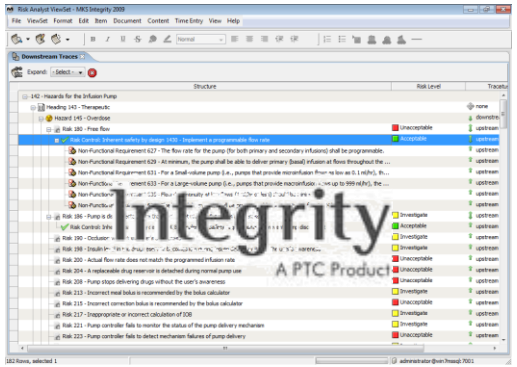
- Import
- Update
- Traceability

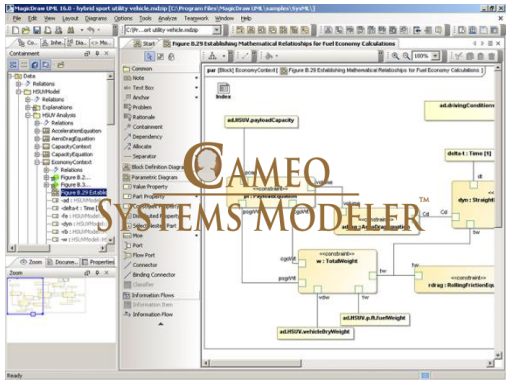




ReqIF Export

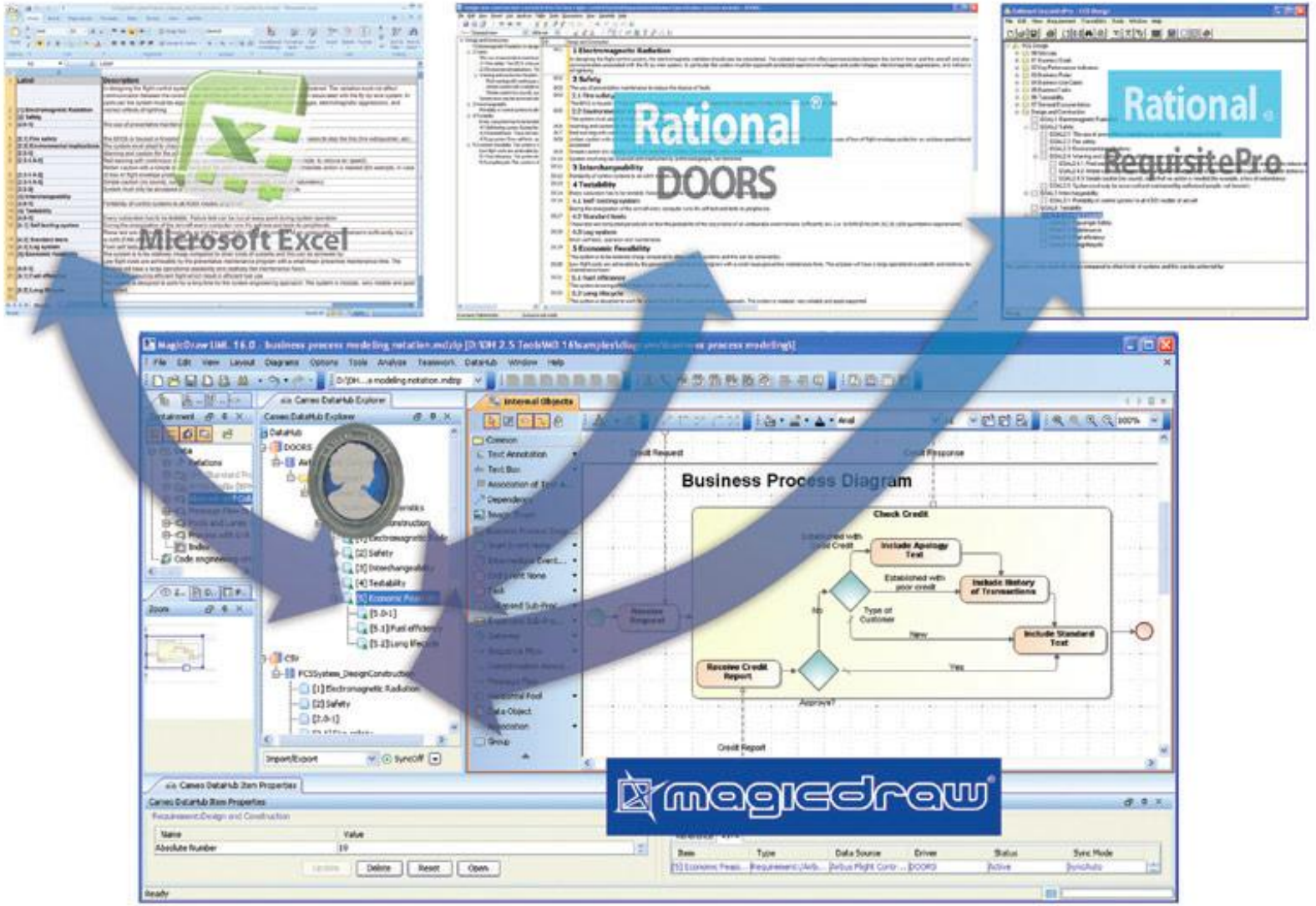
- Export
- Custom scripting
- Requirement mapping





No Magic's Solution

Cameo DataHub



Cameo DataHub OSLC Support

Major features:

1. Supports IBM DOORS NextGen 4.x and greater via OSLC.
2. Supports OSLC query on IBM DOORS NextGen.
3. Supports OSLC link between IBM DOORS NextGen and MagicDraw.
4. Supports MagicDraw module in both local and teamwork project for synchronization with DOORS requirements.
5. Sync relationships across modules back to DOORS.

CDH Support Scenarios

1. Traceability between requirements in DOORS with MagicDraw Models (Use cases, test cases, architecture design model, etc).

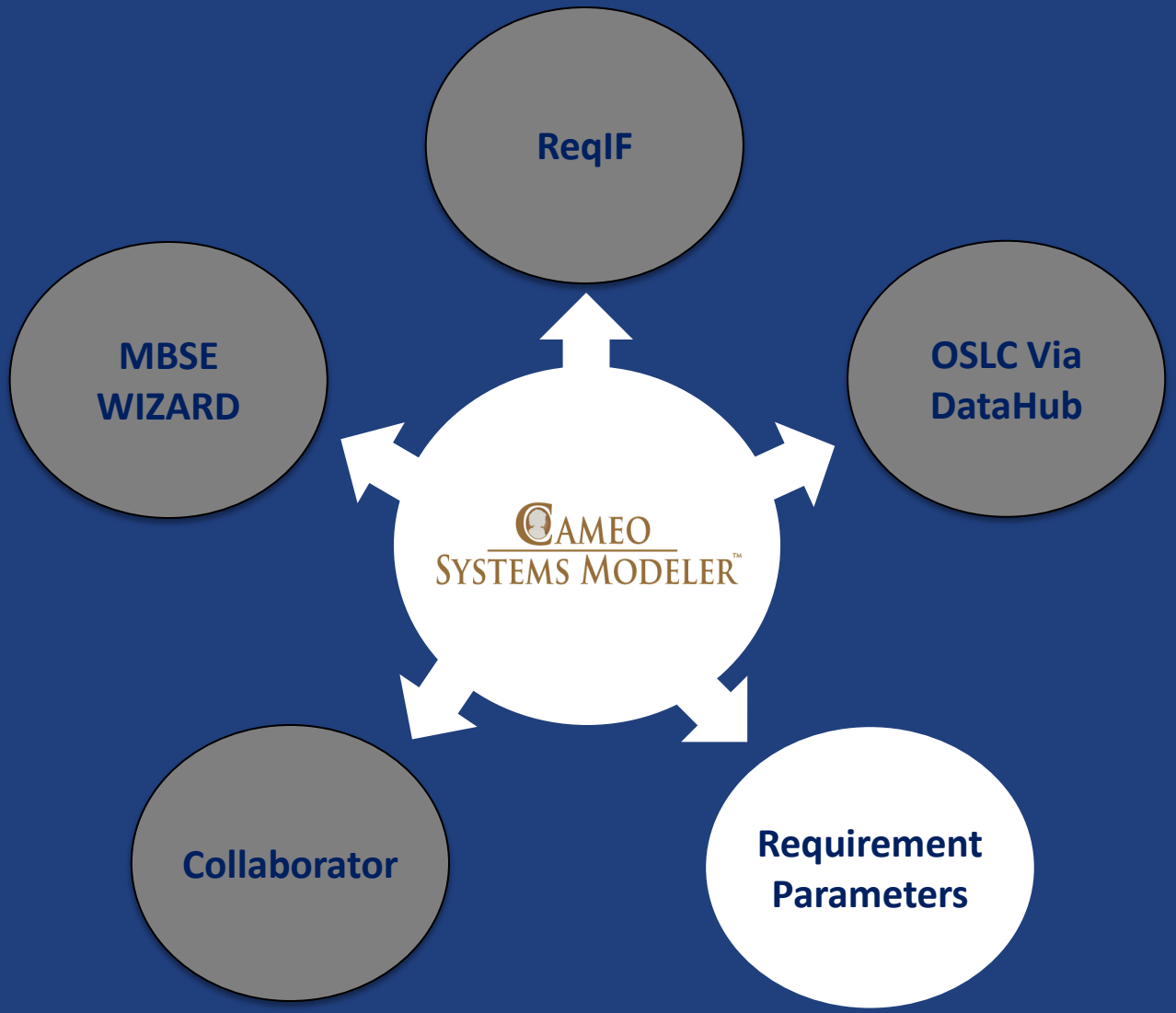
This scenario is used when the user needs to keep track between his/her architecture design with the targeted requirements in DOORS.

CDH Support Scenarios

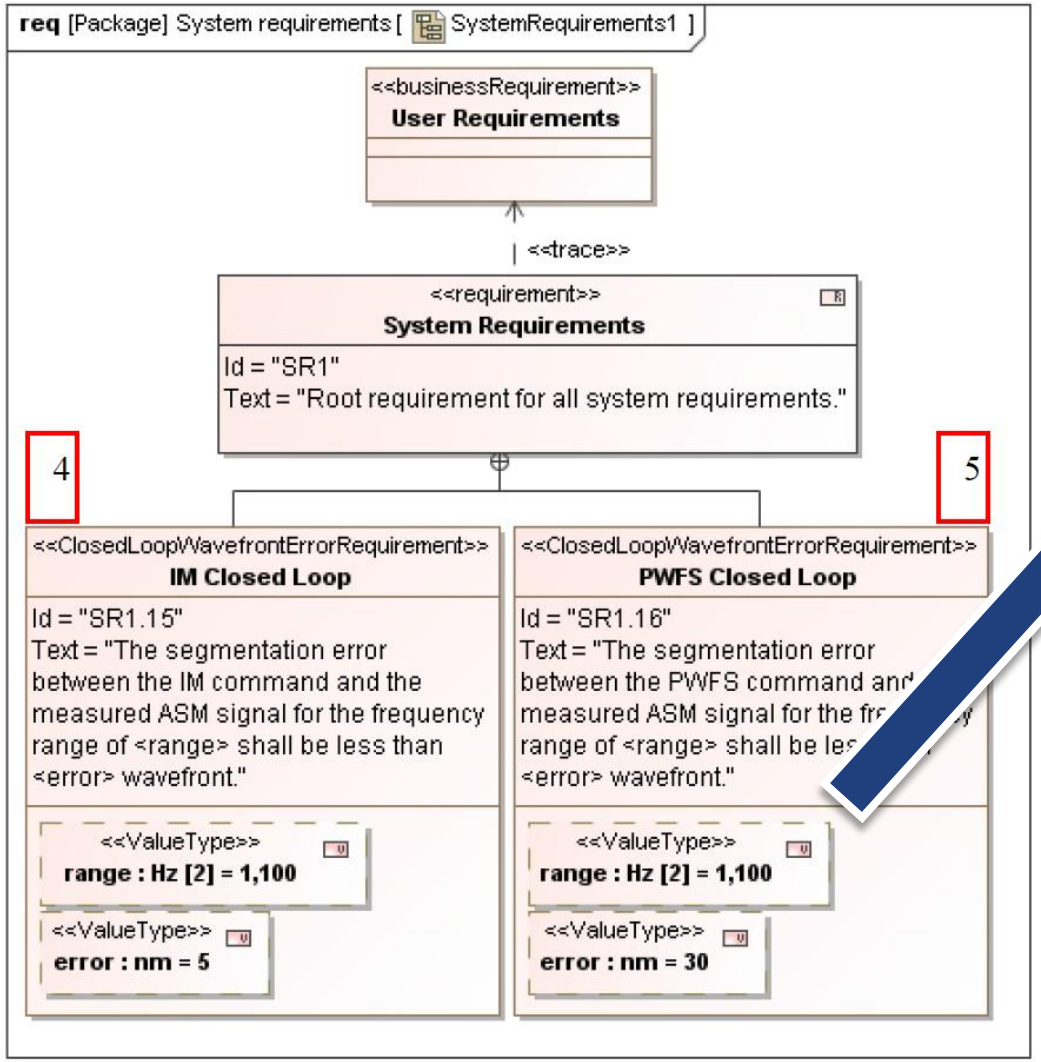
2. Sync SysML requirements with DOORS' requirements. This scenario is used when the user needs to replicate the requirements in DOORS into SysML's model as SysML requirements.

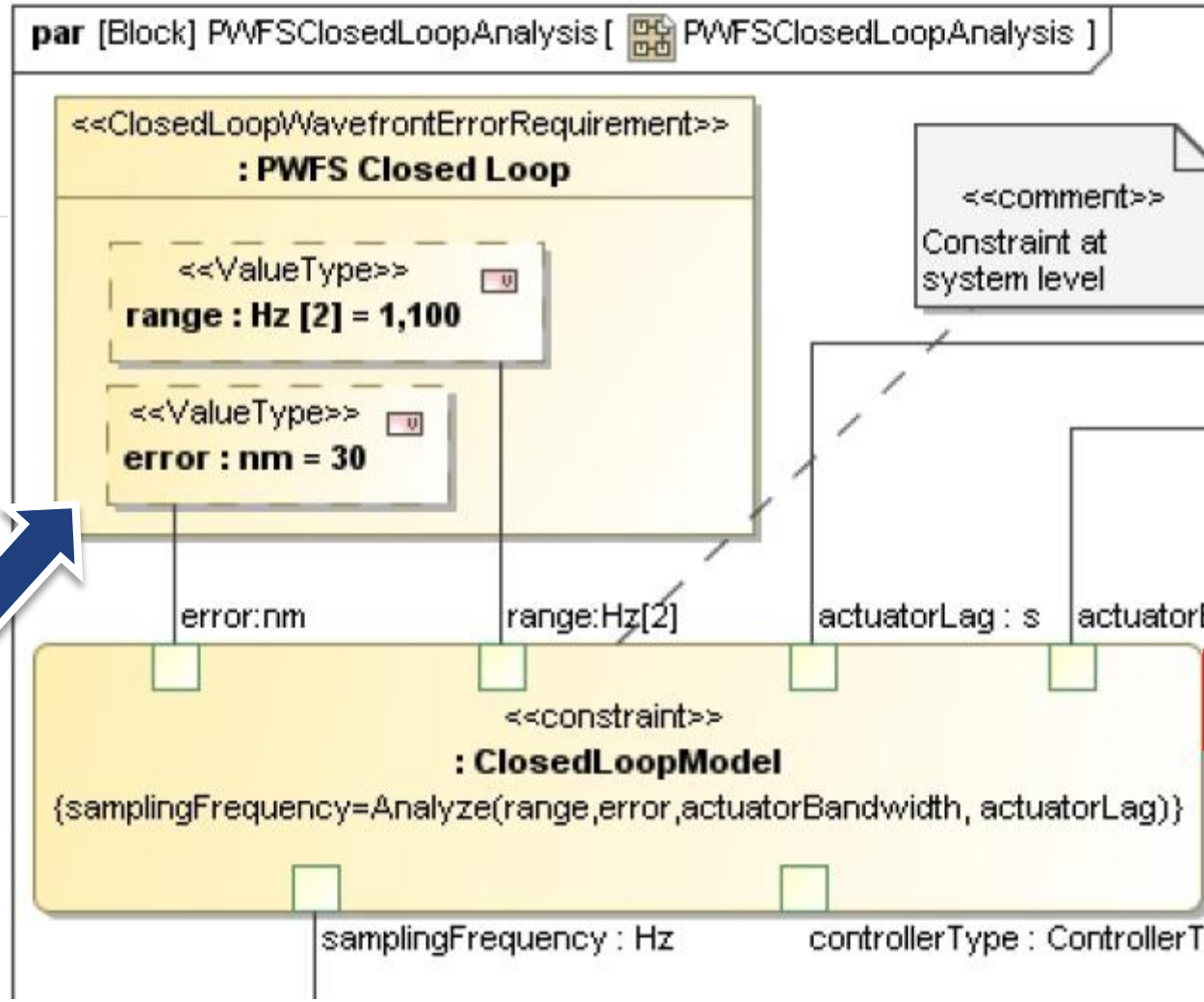
2.1 Supports two way sync. In this scenario we need to maintain the consistency between both DOORS and MagicDraw requirements.

No Magic's Solution



Requirement Parameters





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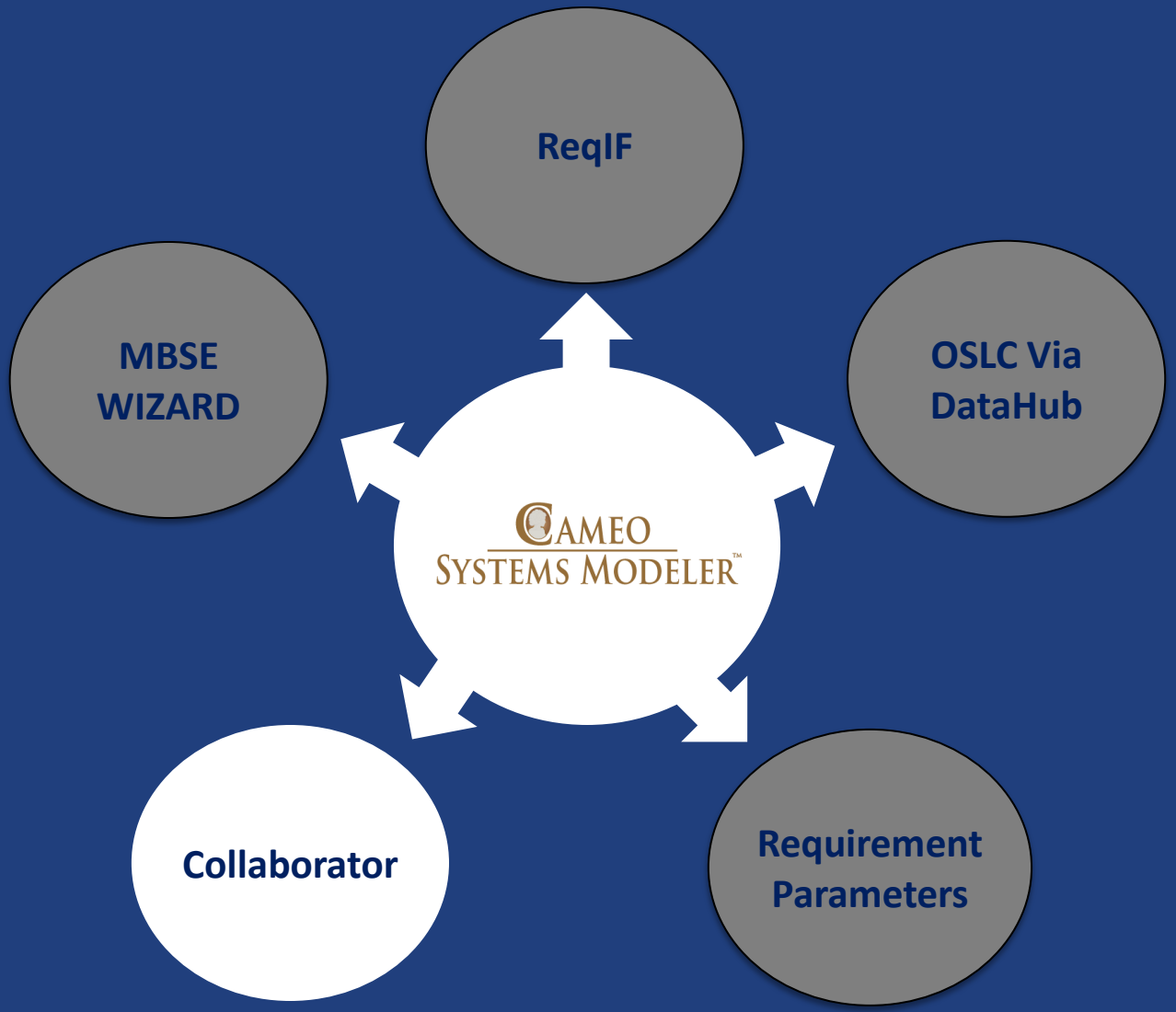
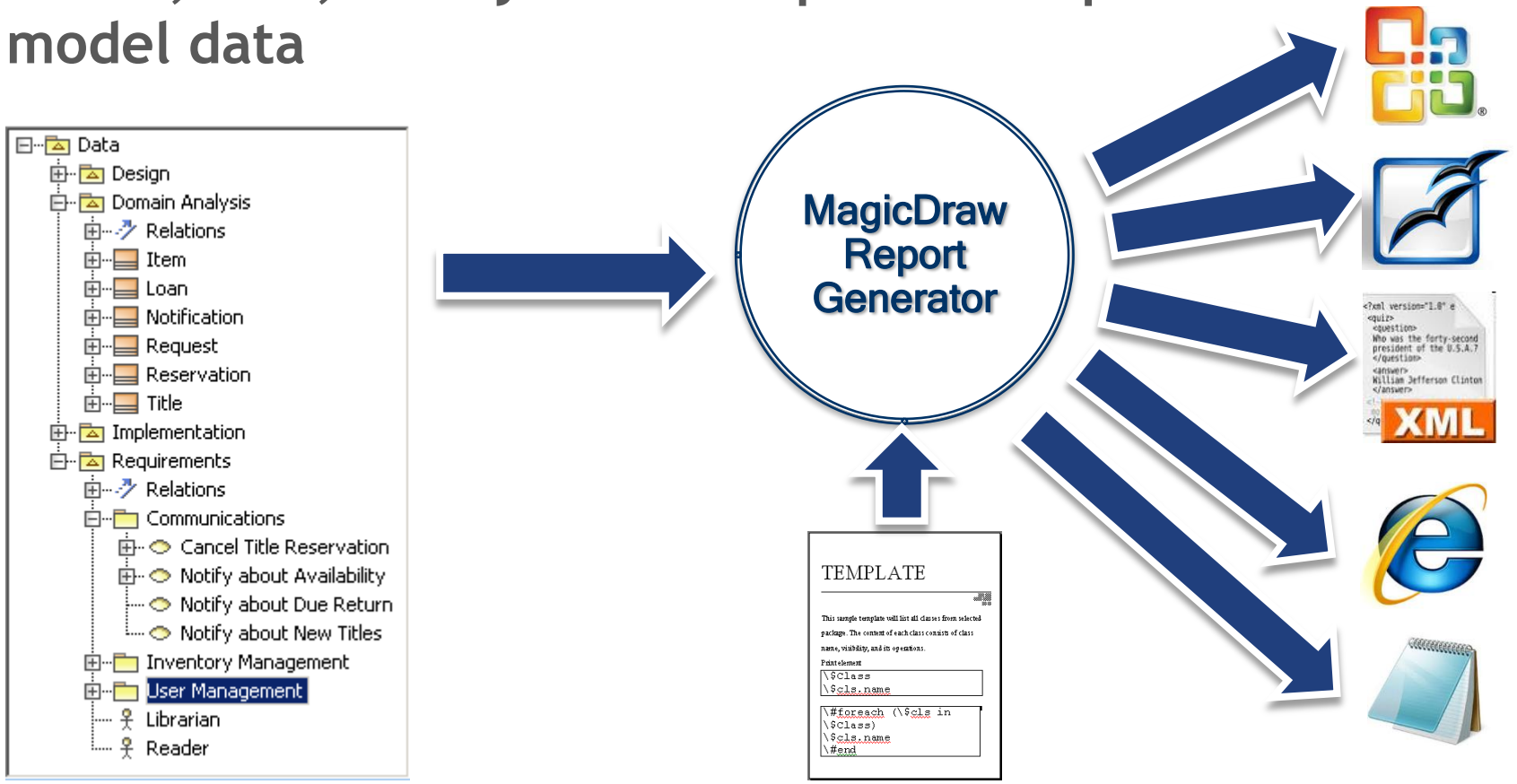
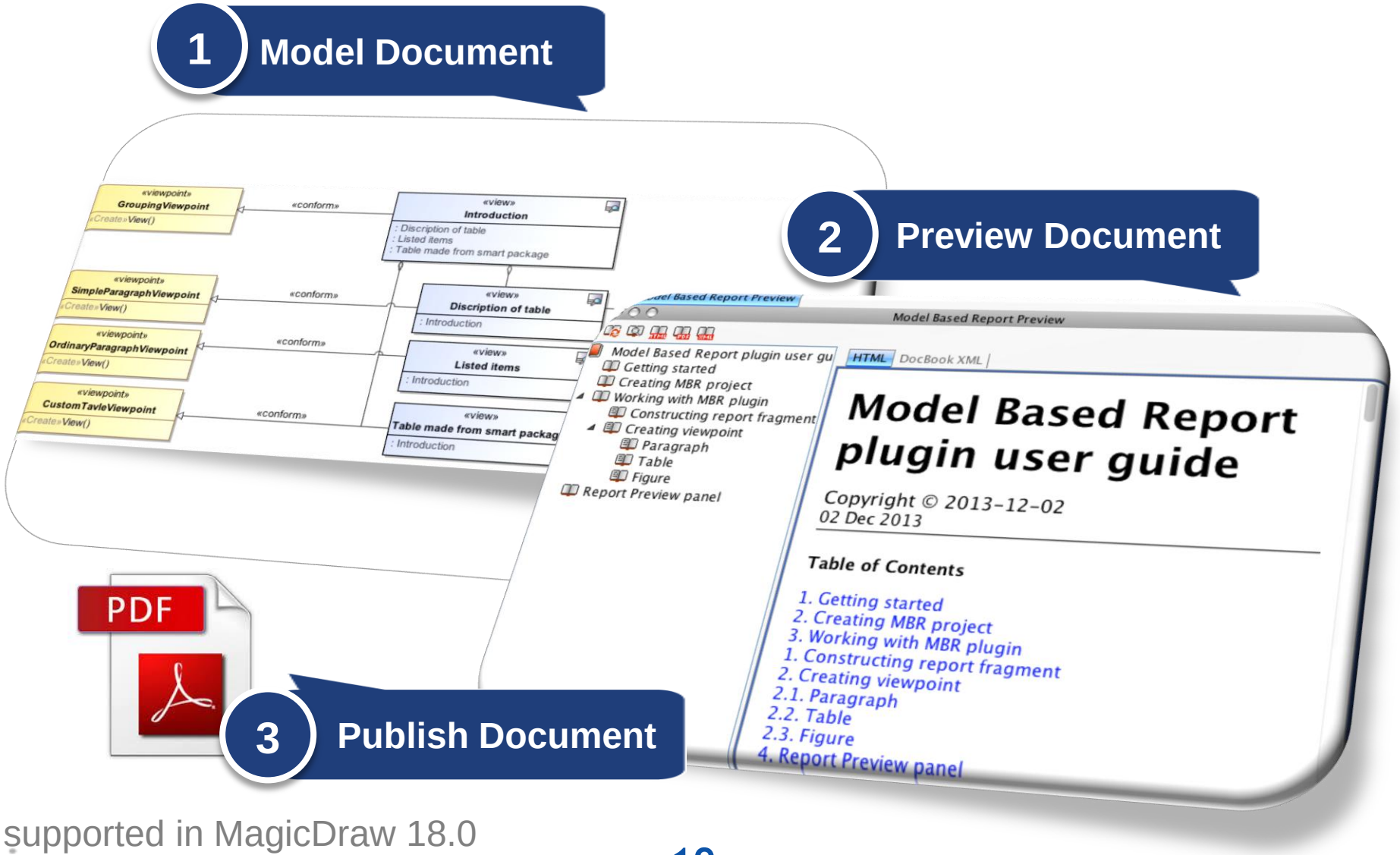


MagicDraw Reports

- You can generate an HTML, Microsoft Office, Open Office, XML, or any other simple text report from the model data



MagicDraw Model-based Reports*



*Alpha version supported in MagicDraw 18.0

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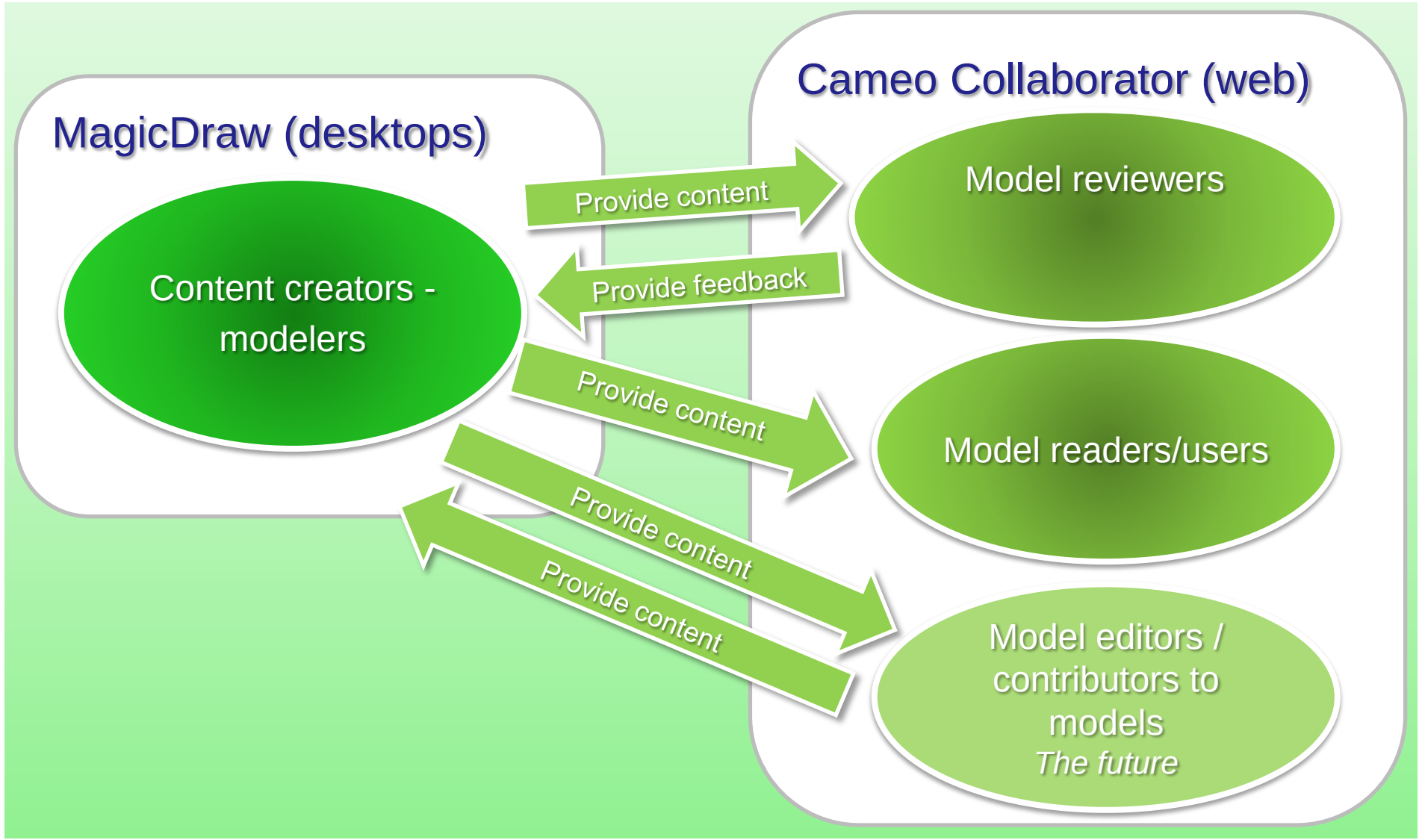
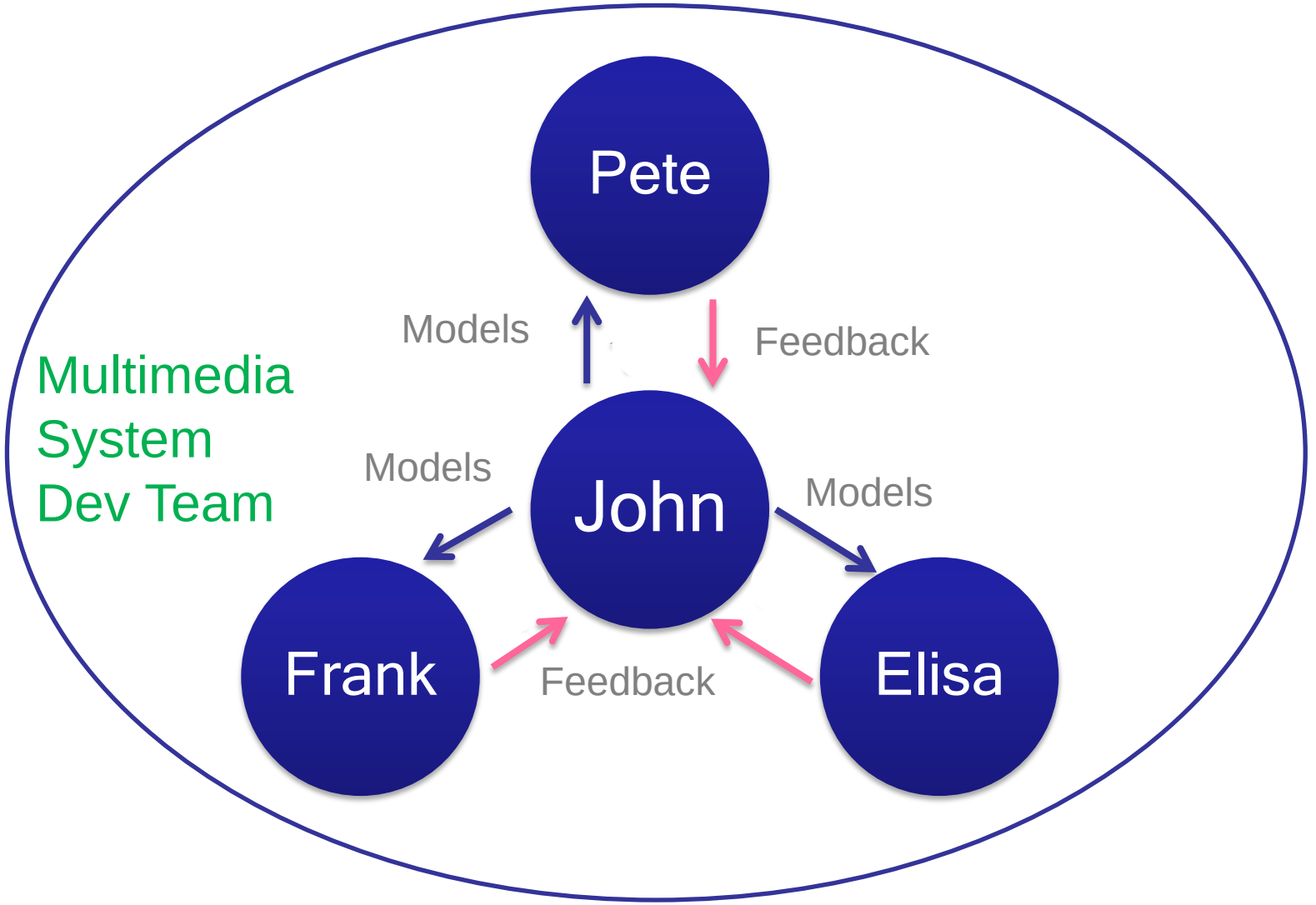
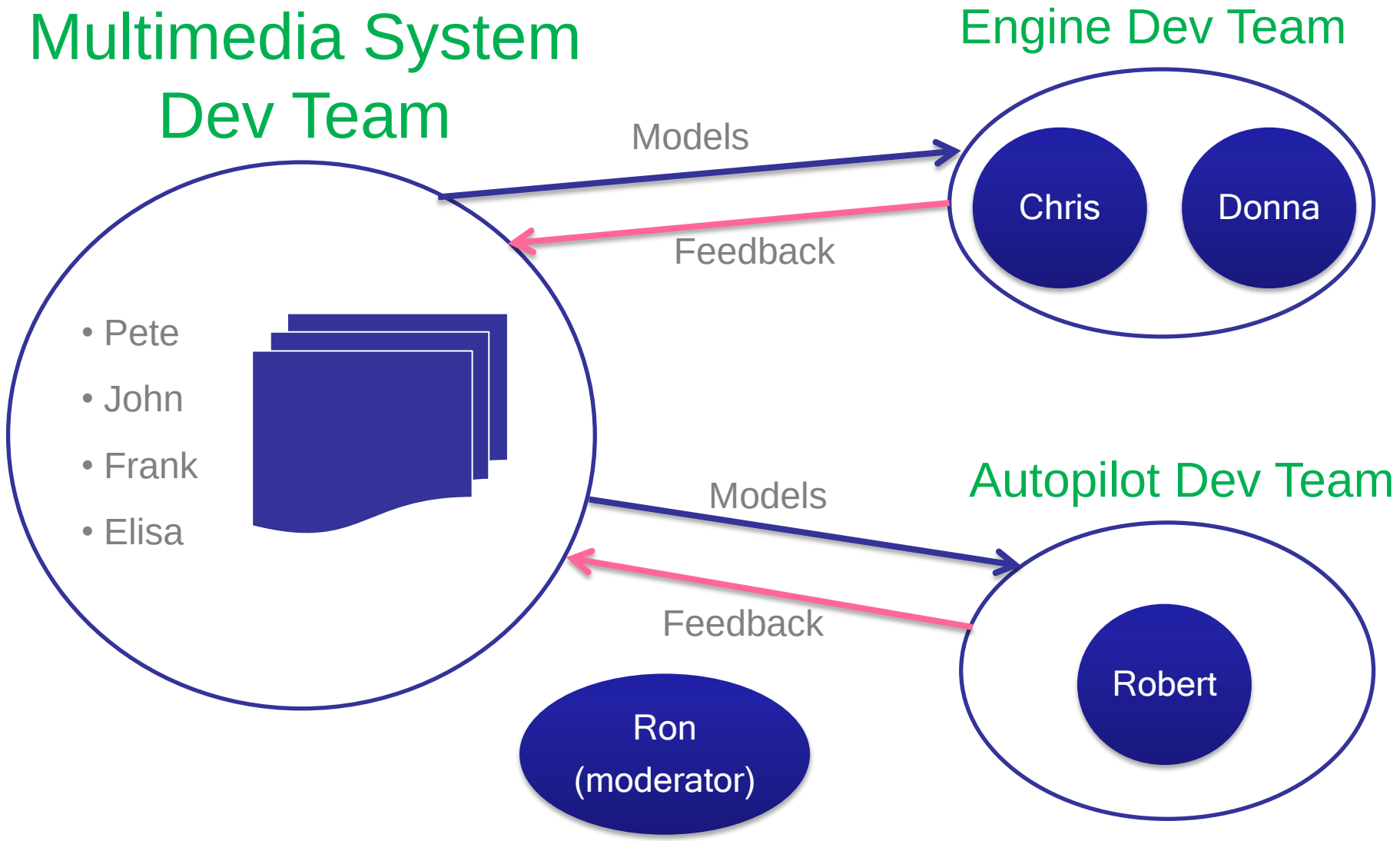
What is Cameo Collaborator?



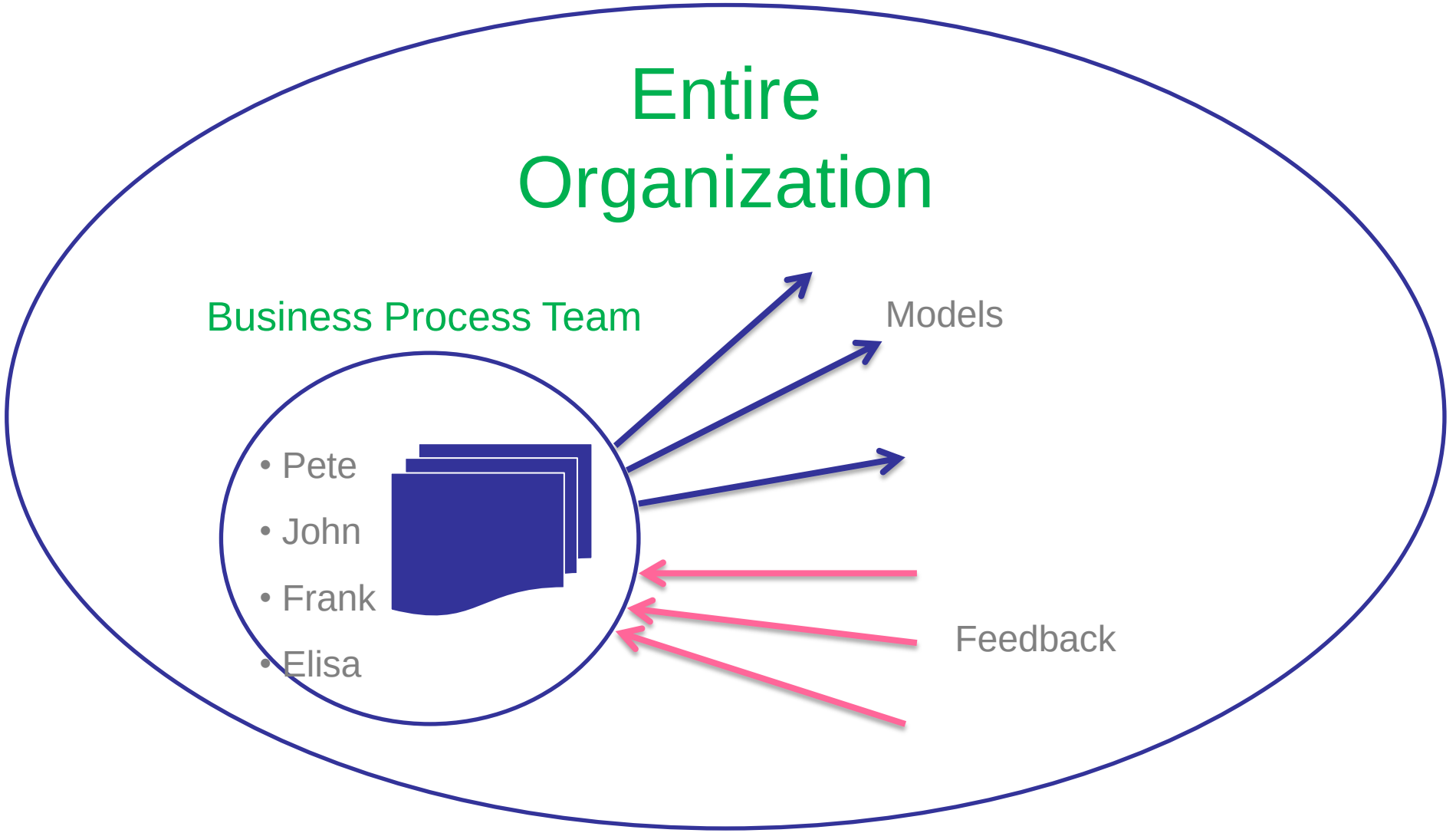
What is Cameo Collaborator: **technical peer reviews**



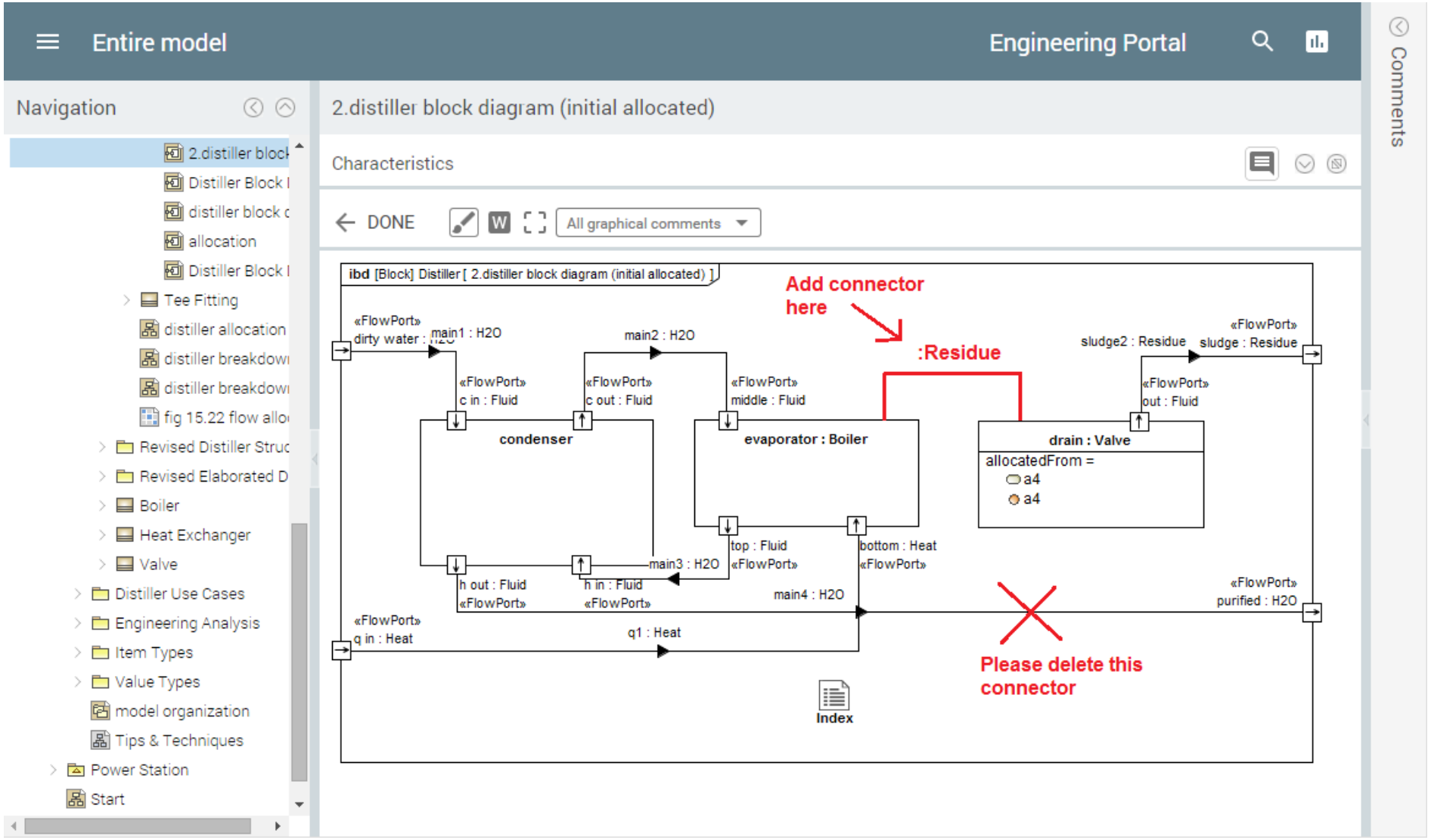
What is Cameo Collaborator: **formal reviews**



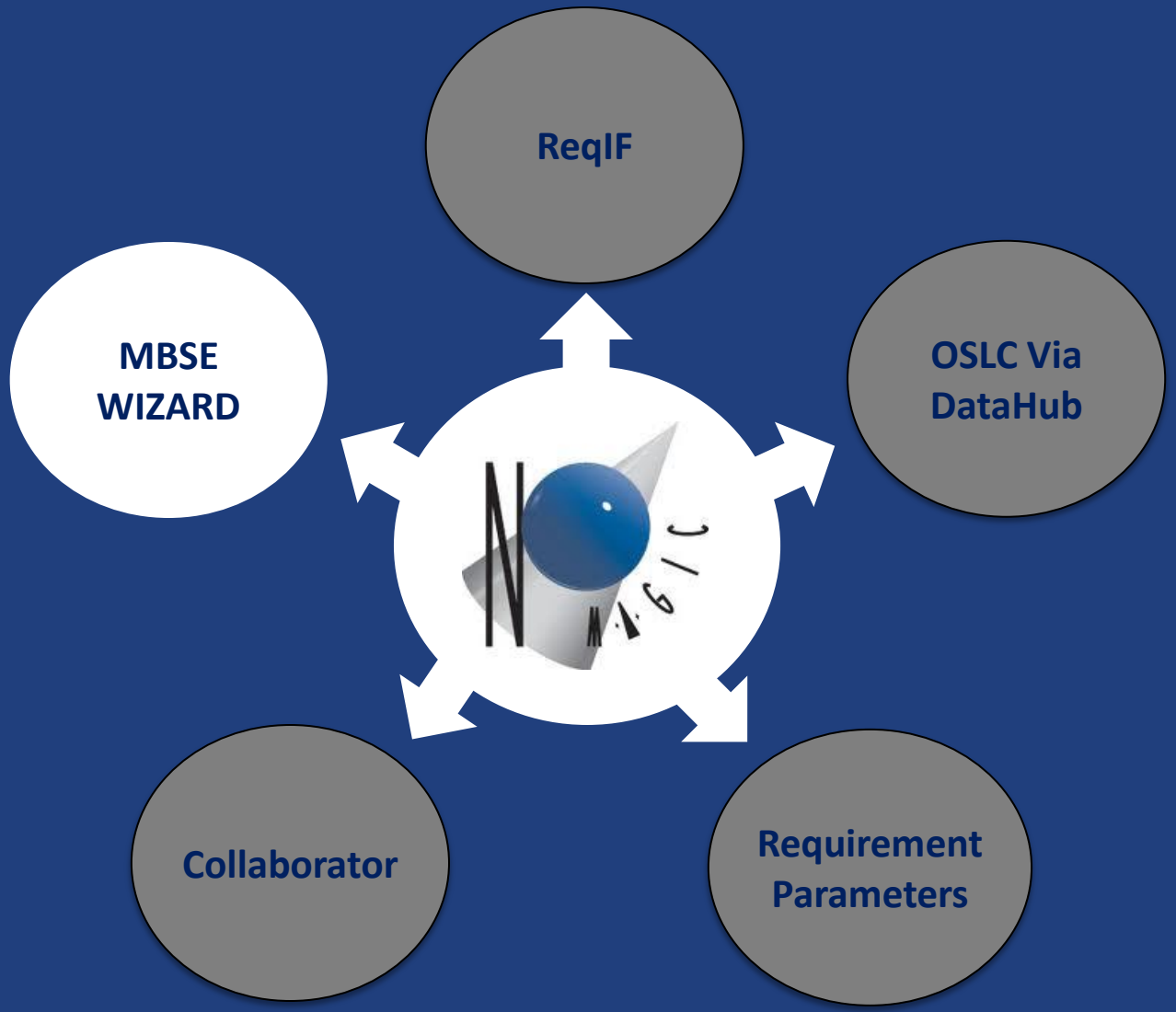
What is Cameo Collaborator: **public community interaction**



Graphical comments

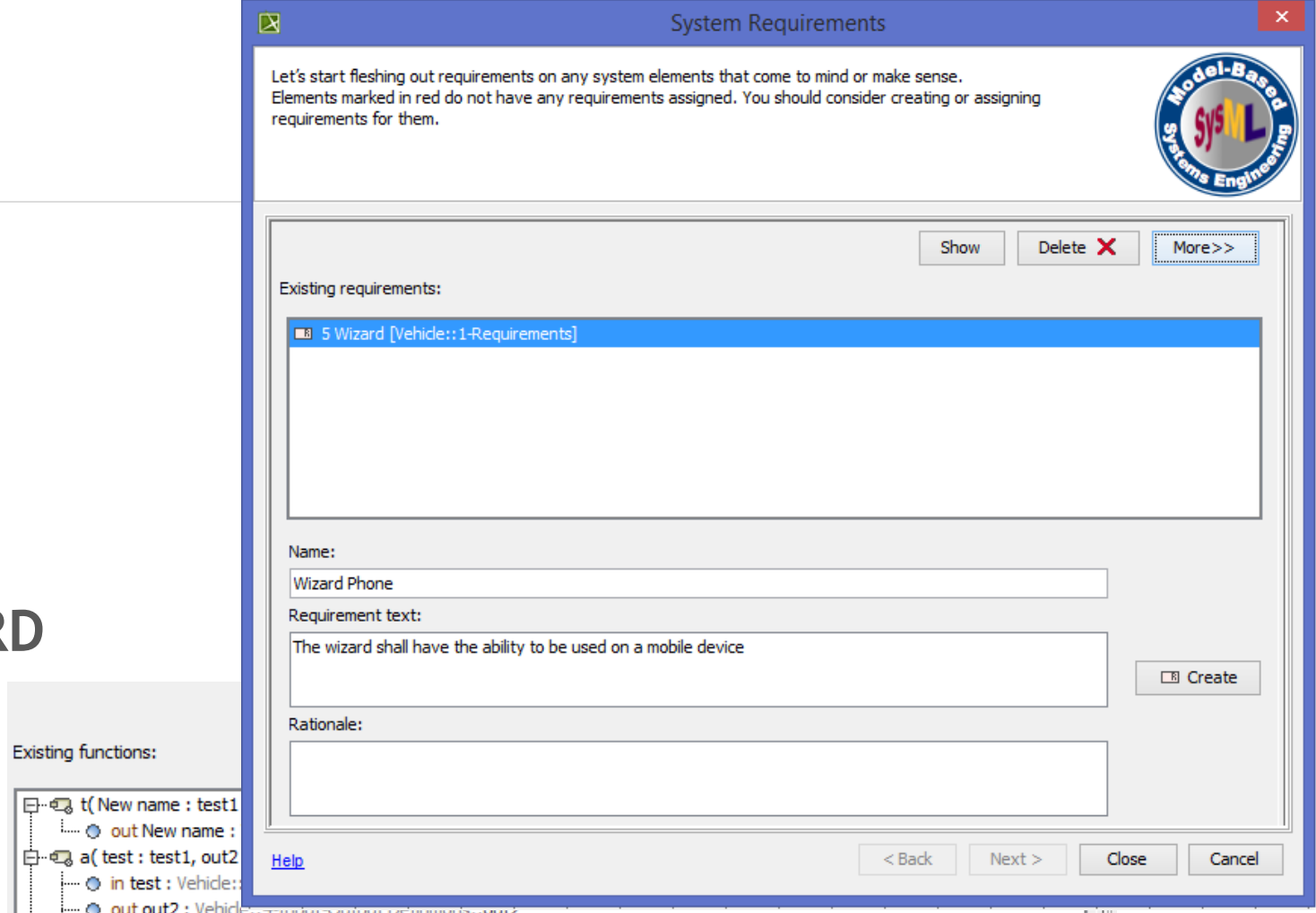


No Magic's Solution



MBSE WIZARD

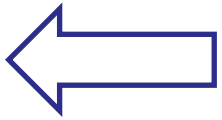
The MBSE wizard will allow new Systems Engineers to model using your everyday modeling techniques. The wizard allows Systems Engineers to add information to the MBSE WIZARD and create models without modeling. This concept is a rather basic fill in the blank method.



MBSE WIZARD

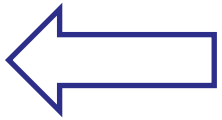
SysML Diagrams

- *Use Cases*
- *Activities*
- *Requirements*



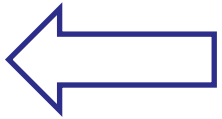
CURRENT FORM

- **Blocks**
- **Internal Blocks**



Version 1 June 10th.

- Sequence
- State Machines
- Parametric Diagrams



Version 2 TBD

MBSE TRAINING

Introduction to Model-Based Systems Engineering (MBSE) with SysML

Sandy Friedenthal

- Will be using MagicDraw in the training

on Thursday

WWW.NMWS2015.com

NO MAGIC WORLD SYMPOSIUM 2015

MBSE/SysML, Modeling, Enterprise Architecture,
Business Architecture & Integration, Ontology, and IoT

Network and interact with industry experts to learn more about Model-Based Systems Engineering (MBSE, SysML), Enterprise Architecture and Integration, Business Process Modeling (BPMN) and other technologies, and how these solutions work together to improve collaboration and ensure project success.

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Full Day Model Based System Engineering Training

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- Network and interact with UML, SysML, Business Analysts and Enterprise Architecture industry experts
- More than 50 interactive breakout sessions
- Experienced industry leaders delivering the information you need

DEMO

Our recipe for success

think **BIG**

start **SMALL**

and **EVOLVE**