

OSLC @ Airbus Group

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Airbus Group Innovations



Airbus Group at a Glance



































Airbus Group Employees by country*





Globally leading aircraft manufacturer

- · Since 2000, Airbus commercial deliveries grew by 60%
- Backlog more than doubled in one decade (now equaling 8 years of production)



Leading helicopter manufacturer

- · Accounts for 1/3 of the global helicopter fleet
- · Delivered about 4,000 helicopters throughout the past decade



Europe's No.1 defence and space company

- · Worldwide, it ranks second for space and is among the top ten defence companies
- · Revenues of approximately €14 billion per year



Our Key Challenges for Engineering Lifecycle Management

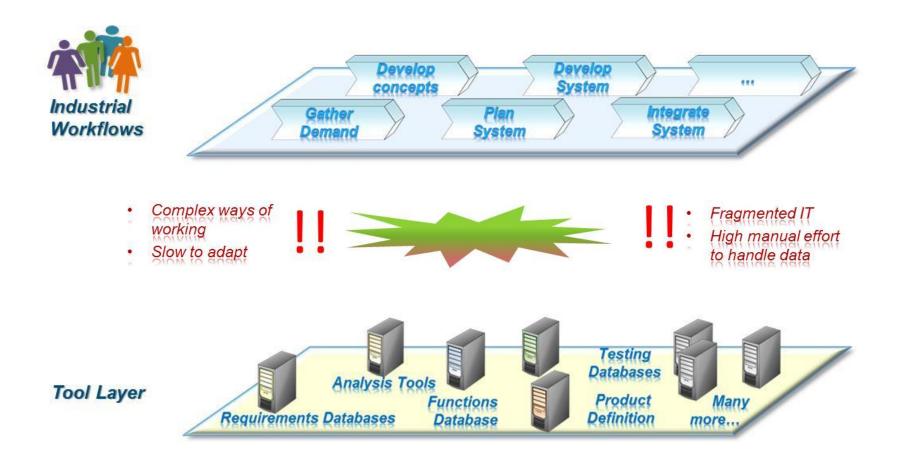


- Geographically distributed engineering teams
- Complex IT infrastructure

- Complex Products
- Safety-critical Systems (Certification)

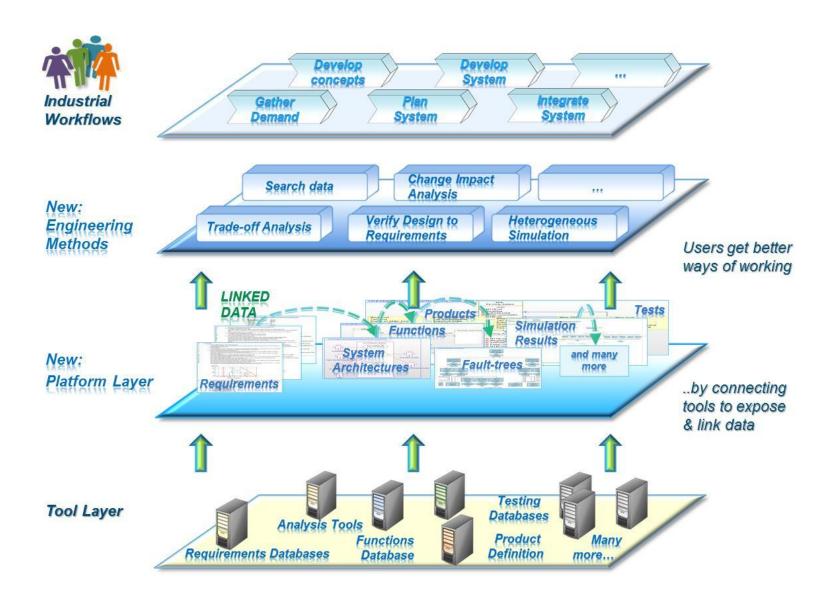


Today's situation at Industrial Companies





Our Vision

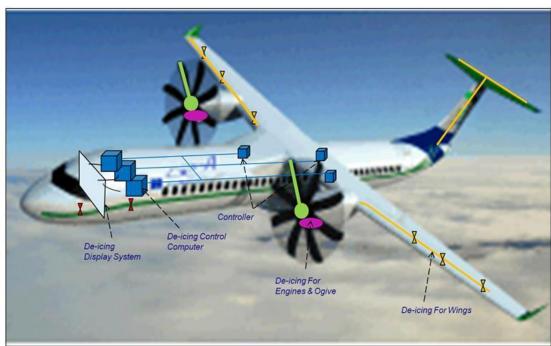




CRYSTAL Research Project: Public Aerospace Use Case: De-Icing System

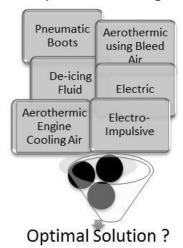
Use Case Objective:

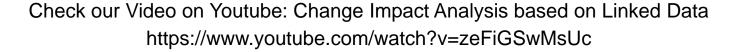
- Definition of De-icing System for Regional Turboprop Aircraft, with:
 - Minimal Cost, Weight, Power Consumption
 - Fulfilling safety constraints
 - Fulfilling functional needs (i.e. keep Aircraft components free-of ice)



Engineering Challenges:

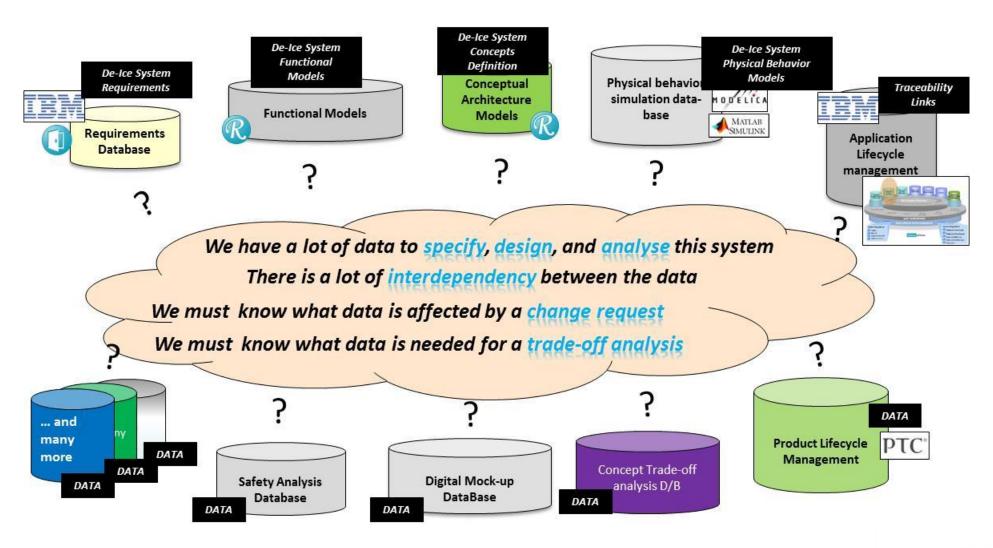
- Many change requests; how to assess impact?
- Different alternative concepts for De-icing:





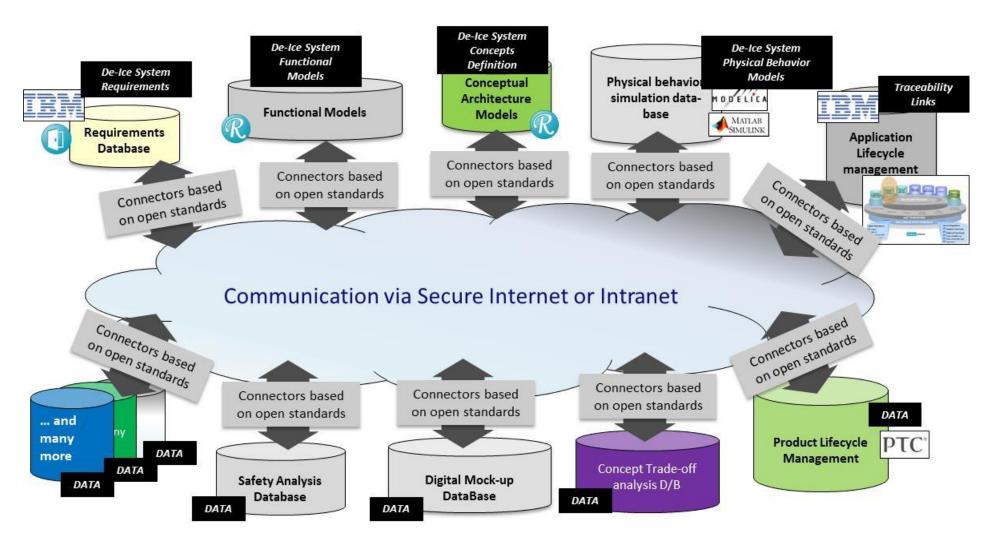


Public Aerospace Use Case: Interoperability Challenge



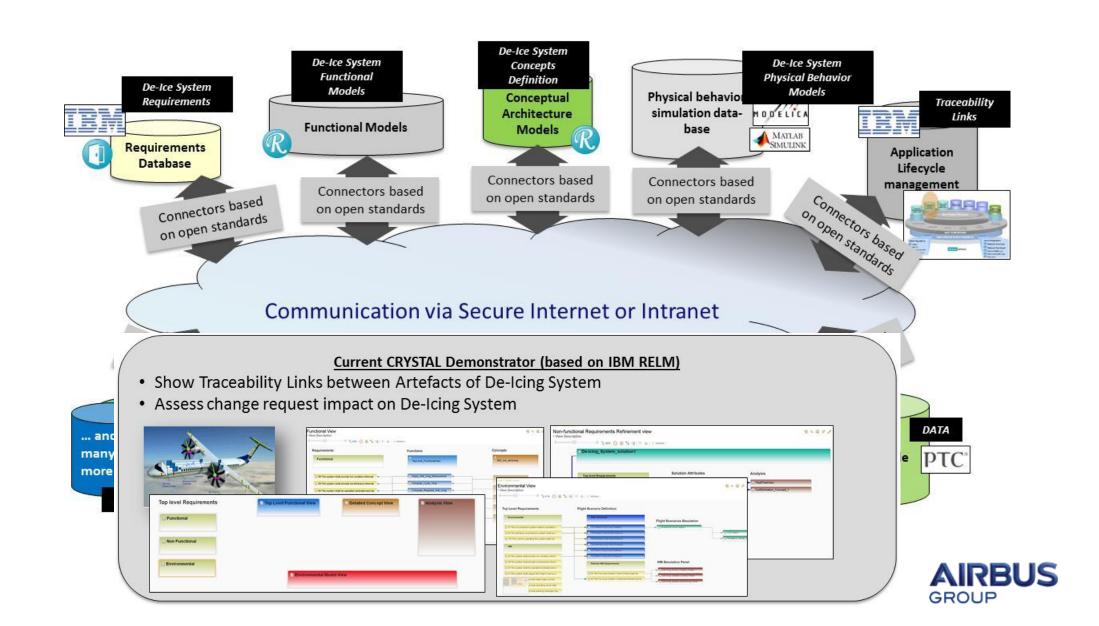


Public Aerospace Use Case: Our Implementation



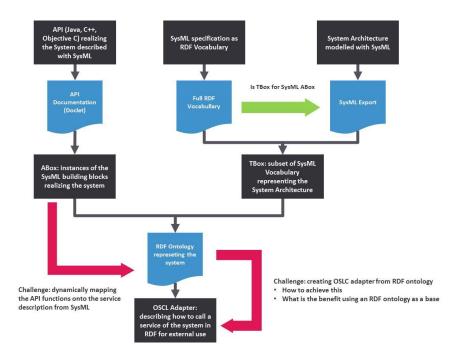


Public Aerospace Use Case: Our Implementation



OSLC @ AirbusGroup – what's next

- ☐ Implementation of Configuration Management for Public Aerospace Use Case
- ☐ ALM / PLM integration & Case Studies
- □ OSLC Adapter SDK / Generic Adapters





CONTACTS

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CRYSTAL Project http://www.crystal-artemis.eu/

Check our Video on Youtube: Change Impact Analysis based on Linked Data https://www.youtube.com/watch?v=zeFiGSwMsUc

