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# 3D Tech Pub Overview

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# 3D Tech Pubs – Boeing Experience and Customer Focus

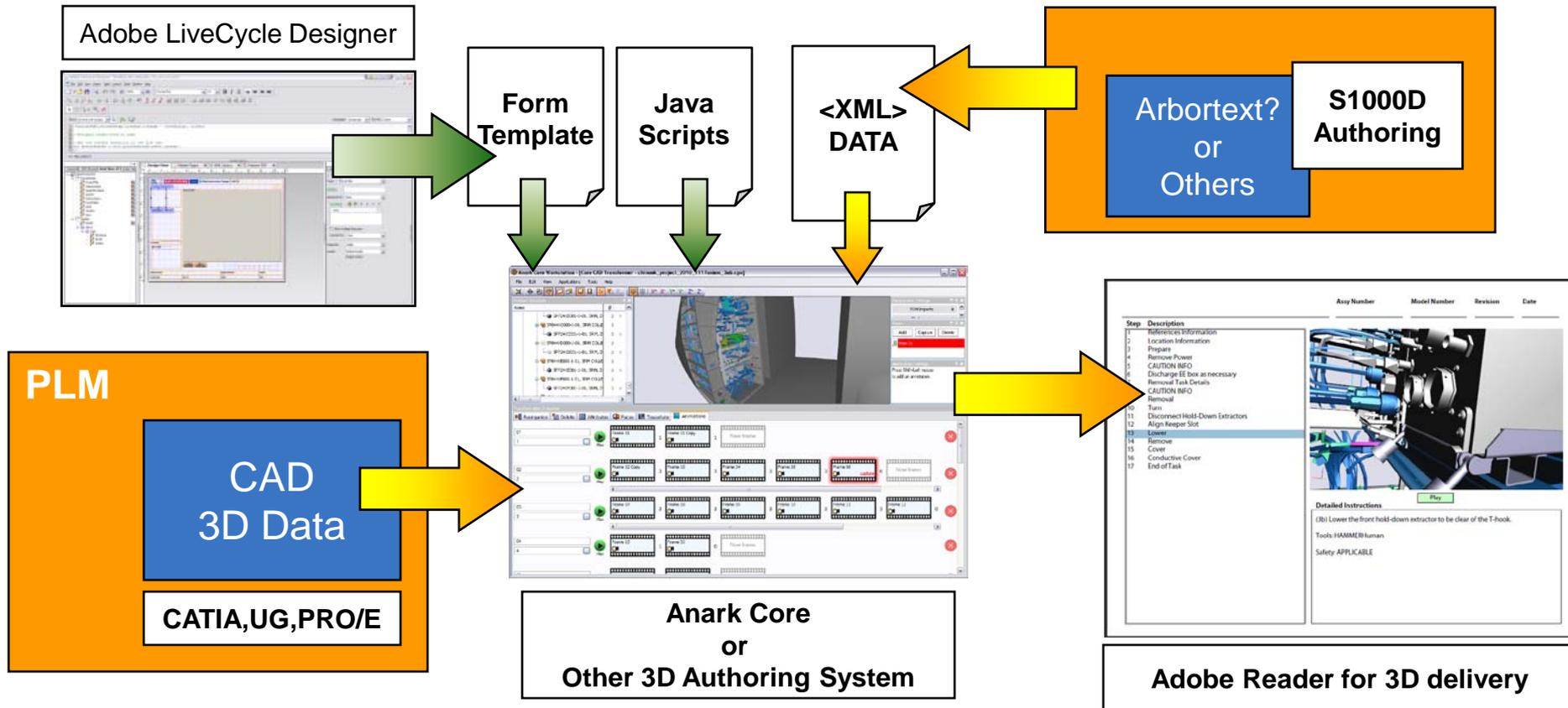
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Support Technology | Tech Data

- **Boeing has been researching, driving, promoting the integration of 3D for several years and is producing 3D Technical Data products for commercial platforms today**
  - Wide variety of tools, formats and solutions evaluated
  - Understands complex products and environments
  - Costs vary as wide as feature sets and functionality
  - Brings expertise and knowledge of 3D to the table in this partnership
- **Army Research Labs**
  - **Customer Chose Adobe 3D offerings**
    - Focus for creating and delivering 3D tech pubs
    - Includes CAD adapters for data conversion to visual representations
    - Adobe Reader already in locked configuration
    - Adobe Acrobat 9.0 Pro Extended costs \$700 (street)
    - PDF and U3D are incorporated into ISO standards (longevity)
    - Moved to an Anark Solution in Fall 2010 due to their alignment with Adobe

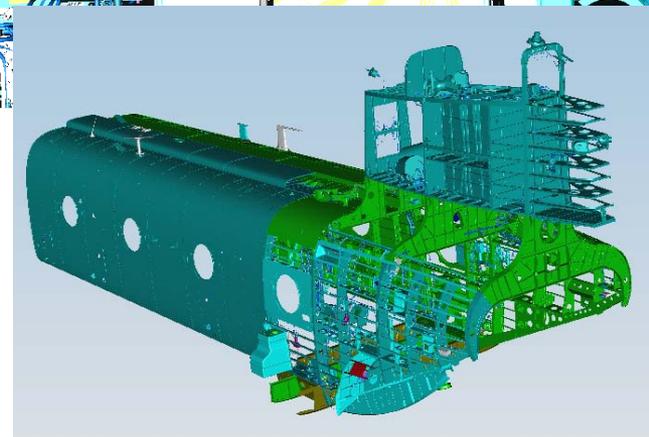
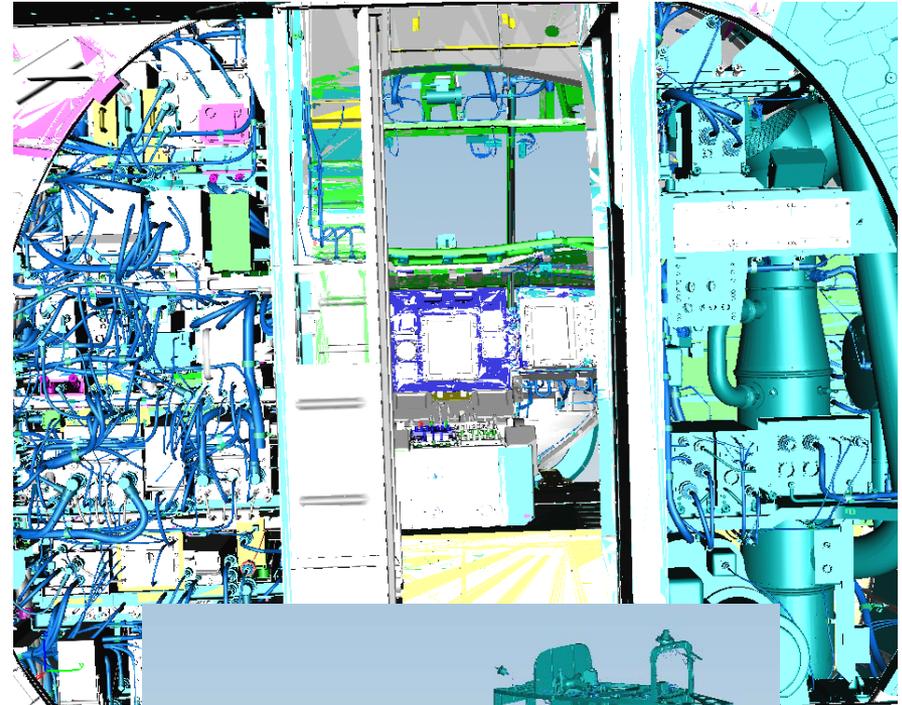
# 3D Tech Pubs Concepts (2009 – Adobe Solution)

- **A conceptual process:**
  - **Combine visual representations of 3D CAD data (lightweight)**
  - **With Task instructions from XML (S1000D or other source)**
  - **Present via templates in a 3D viewer for consumption by technicians**



# Chinook Data Status

- **We have collected Chinook JT data (June/July)**
- **Identified some data issues**
  - Lots of data/duplicate data to sort through
  - Not all data is modeled (LRUs, Systems and Routings)
  - PLM connection would enhance data access
- **Focus planned on a cockpit electrical component removal and installation for our example (Demo)**



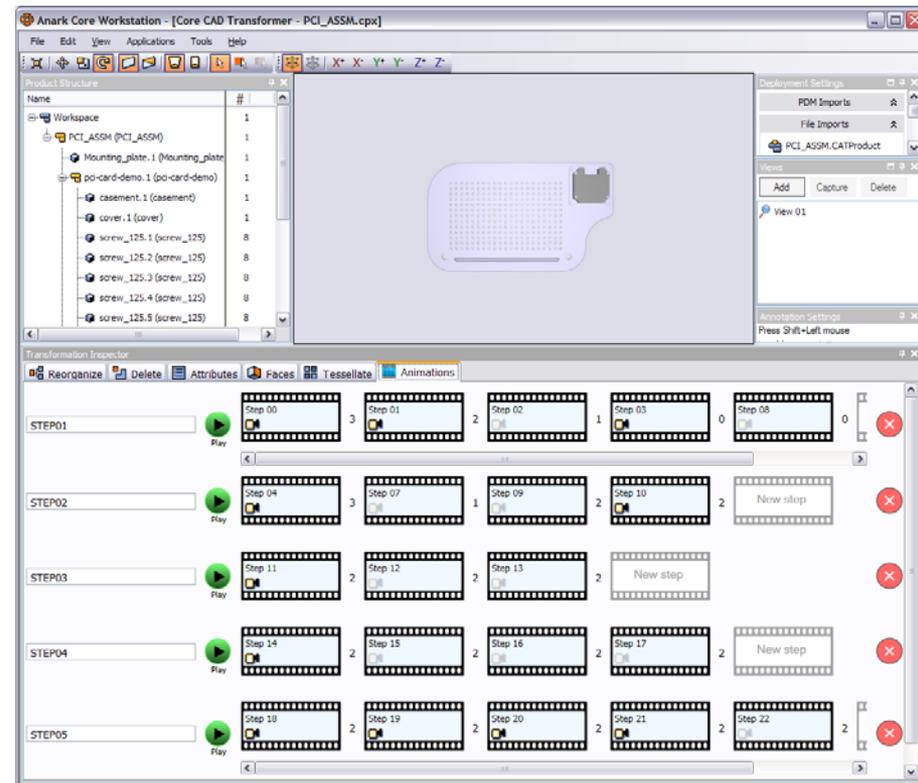
# Desired Functionality

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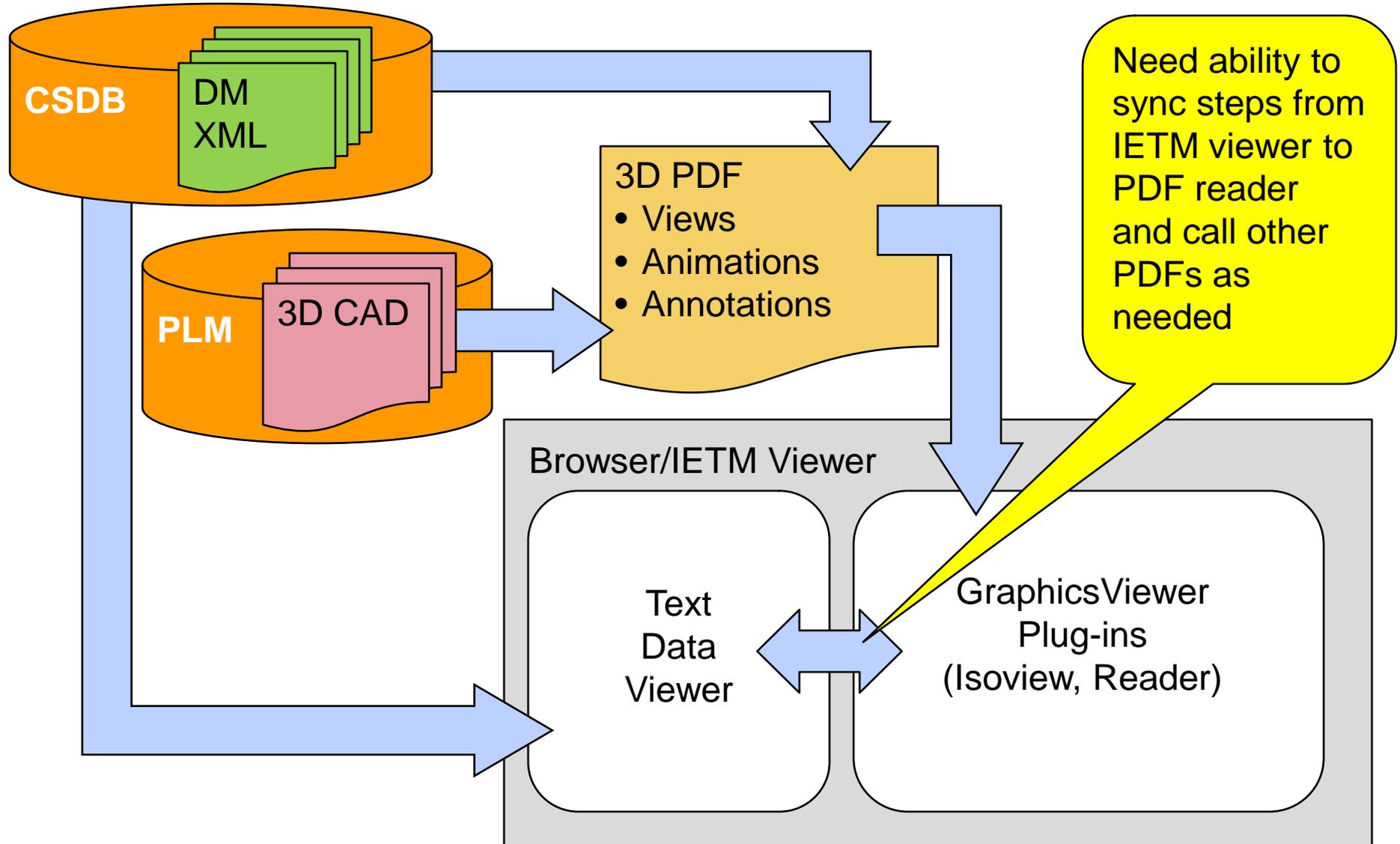
Support Technology | Tech Data

- **3D Conversion Tool**
  - CAD to Visualization
  - Optimize Geometry
  - Remove Unwanted geometry
  - Identify/Remove Duplicate Geometry
- **Automation and Batch**
  - Reduce rework for future updates/revisions
  - Captures changes/mods made by user
  - Automated Publishing/Updates
- **Animation Authoring**
  - Move/Update view and record
  - Effective 3D Manipulators (Some Products)
  - Advanced Features
  - Annotations
  - Simple to learn and use (some products)
- **Exports directly to PDF**
  - One Step / Automation
  - Custom templates
  - Animations and Transitions
  - No manual code capture/modification
- **\$1000D**
  - Compliant Formats
  - Interface/interaction/input

Available  
Needs Work  
Need



# Integration – IETM Viewer – Desired Concept



Thank You

