Choosing PLM 360: A Customer Perspective

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PL2024/Class Summary

In this class we discuss Greenpoint's journey in selecting Autodesk PLM 360 cloud-based software for its product lifecycle management solution. We discuss why Autodesk PLM 360 was considered as a potential solution, explain how to create a trial tenant, explore the main themes of how Autodesk PLM 360 works, and discuss possible Autodesk® Vault integrations.



Key learning objectives

At the end of this class, you will know about:

- Accessing resources that are available for learning Autodesk PLM 360
- The meaning of the layout and function of key workspace concepts from GTI's perspective
- Automation through creating scripts and access the RESTful API
- Possible integrations with Autodesk Vault



Greenpoint Technologies, Kirkland, WA

Mark Keilholz, Senior Director, Information Systems

Greenpoint Technologies is a Boeing Business Jet (BBJ)
 Completion Center which provides turnkey interior completions for high-net-worth individuals and Heads-of-State.





Greenpoint Company Profile

- 400+ Employees
- Comprised of 4 different companies in Washington and Texas
- Technologies in-place
 - Inventor
 - ✓ Vault Pro
 - ✓ ACAD-M
 - Navisworks
 - √ 3DS Max
 - Raster Design
 - Microsoft Business Systems
 - Dynamics AX
 - ✓ Sharepoint





Why the Need for PLM?

- Our systems were difficult to configure, maintain and update
- Data Silos
- Fragile tools
- Not-User Friendly
- Required duplicate data entry
- Slow and inefficient
- Data difficult to mine and analyze



Specific Requirements for PLM

- Ability to integrate with our key business systems
- User friendly Intuitive, dynamic interface with reporting and dashboards
- Automates key tasks and delivers the right information to the right person at the right time
- Mitigates bottlenecks by easily identifying what items / issues are affecting a deliverable
- Helpful visualization tools increase comprehension (including workflow)
- Facilitates change management and provides complete history
- Highly configurable, both for admins and end-users
- Highly searchable



Why We Looked at PLM 360

Orrin Bourne, CAD Administrator

- We are a current Autodesk/IMAGINiT customer so it made sense to look at PLM 360.
- We imagined that there was likely some sort of integration with Vault.
- Easy to get a trial version....ONLINE!



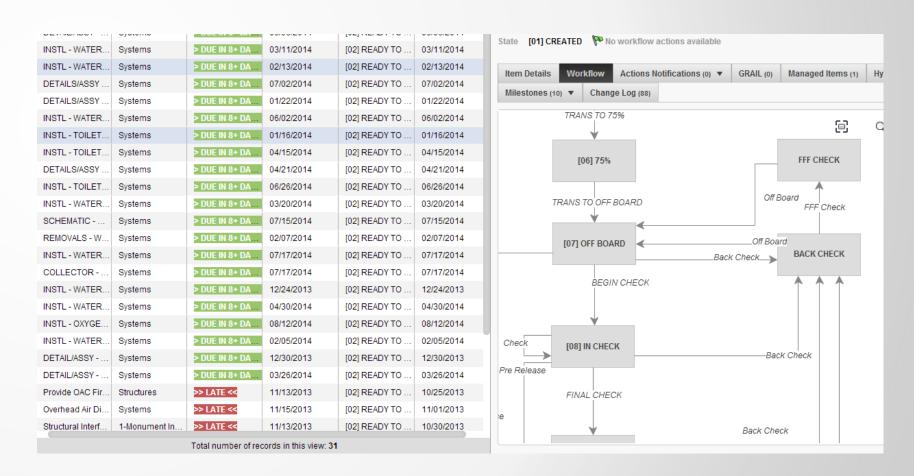


The Journey Begins!

- Creating Your 30 day Trial Tenant
 - http://www.autodeskplm360.com/discover/
 - Need to use Autodesk ID (one trial tenant per ID)
- Learning How to Use PLM 360
 - http://help.autodesk.com/view/PLM/ENU/
- PLM 360 Support Forum
 - http://forums.autodesk.com/t5/PLM-360-General/bd-p/705

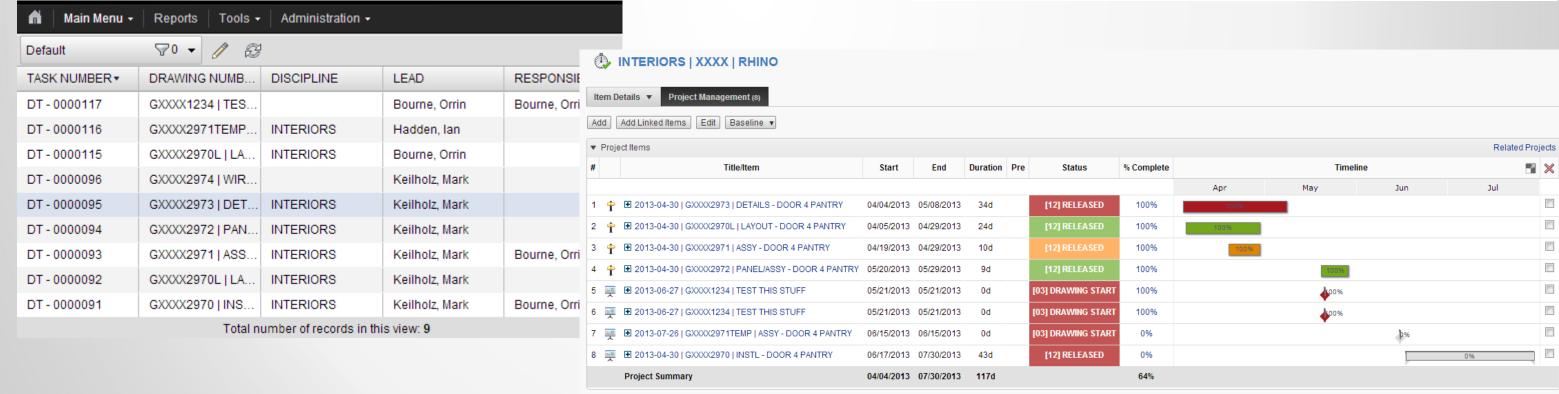


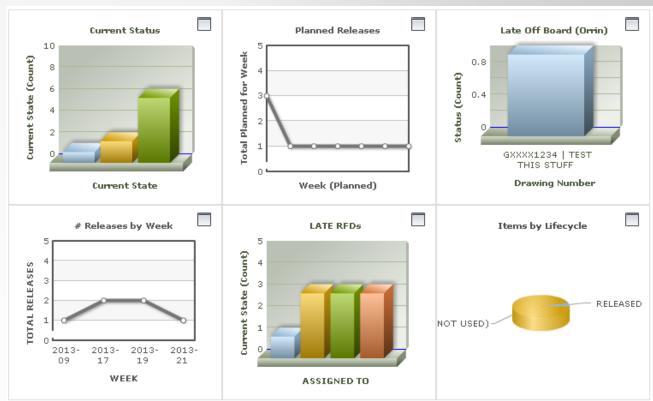
- It is highly configurable =
 adaptable to changing needs
- Workspaces/Items are easy to create through the UI = easier implementation
- It's easy to model and modify business processes = collaboration & accurately capture our processes





- Personalized Data Mining = identify actionable information early
 - Project Management Tab
 - Personalized Reports and Dashboards
 - Configurable Views

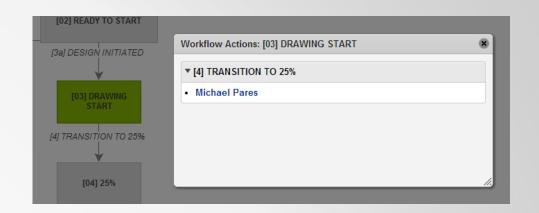


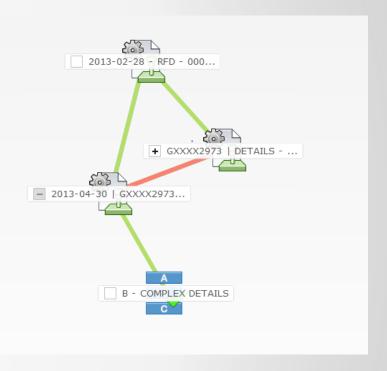






- Have the Ability to Understand Our Data (Who, What, Why)
 - Know who is responsible for a task at any given time.
 - Investigate data relationships and dependencies.
 - Understand the history of revisions and why they occurred.
 - Can use historical data for performance analysis.
 - Many more ways.....



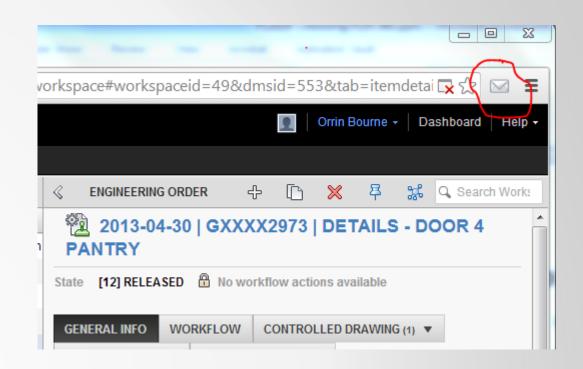


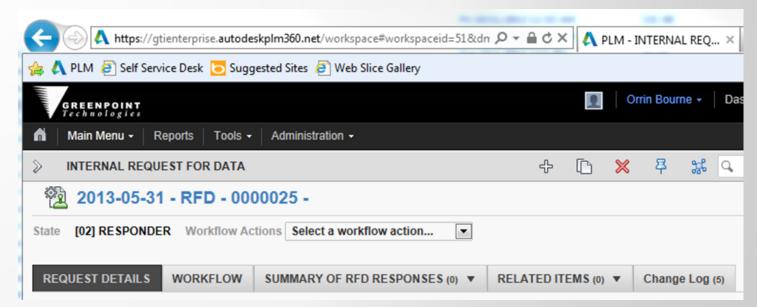






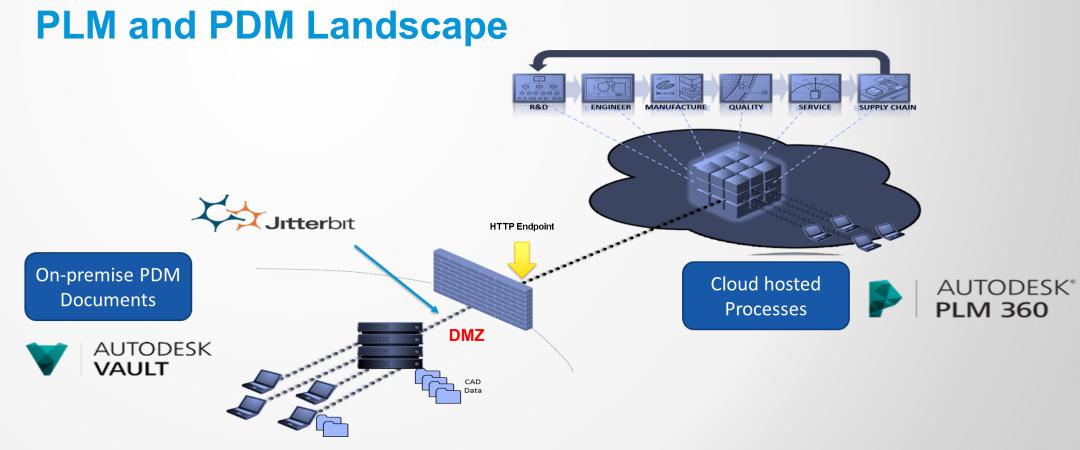
- Cloud Based System is Advantageous
 - Very nimble navigation of tenant = drive user adoption
 - Easy to share data = reduce data duplication
 - Can create a mash-up with other web based systems i.e. Vault web client, SharePoint and PLM 360 = new paradigm in PLM?
 - No need for IT infrastructure or maintenance = reduced costs
 - Instant mobile access







- Server side automation using JavaScript
- Complex automation and integration using RESTful API
- PLM 360 Connect (aka Jitterbit) can be used to simplify the process of automating and integrating PLM 360 with external systems.

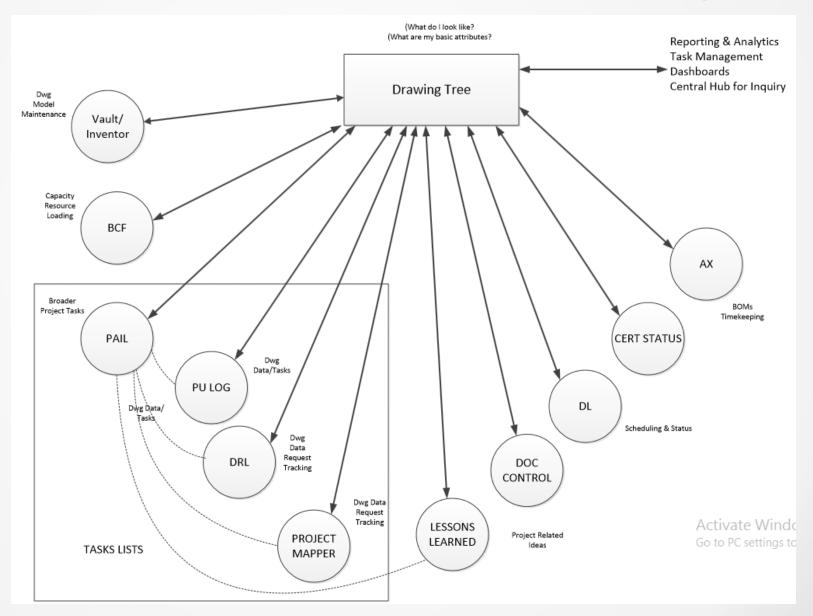




- We didn't want to build another silo
- We looked for opportunities for integration
 - SharePoint
 - ERP
 - ADFS Single Sign On
- Ways to optimize our investments
 - Align to strategy
 - Recognize and leverage benefits of specific tools
- Primary objectives
 - Inventor/Vault and DL
 - Multiple task lists

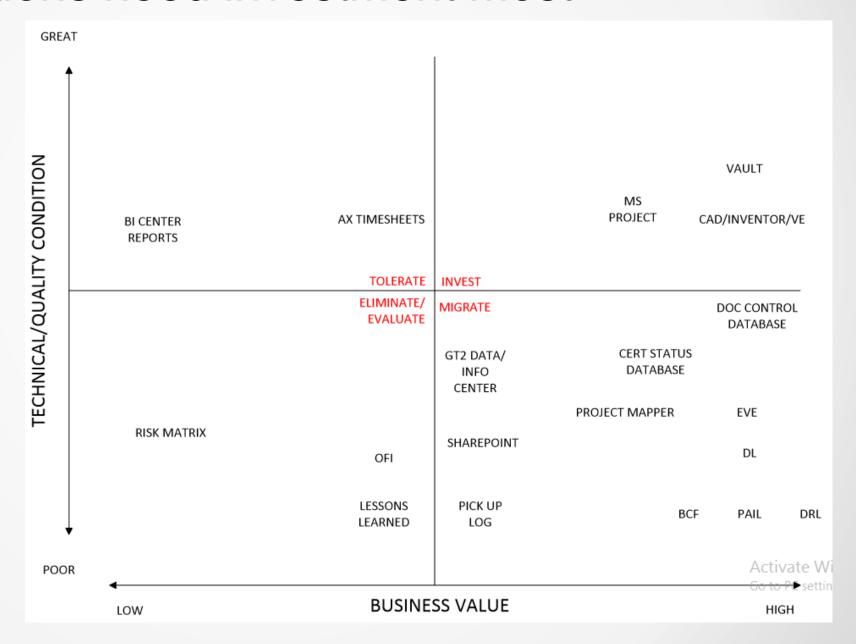


- Stakeholders took inventory of our existing tools
- A few quick discussions identified critical relationships and overlap





- Stakeholders classified the state of our existing tools
- Identified which solutions need investment most





What we discovered

PLM 360 Wins in 6 of 8 Categories

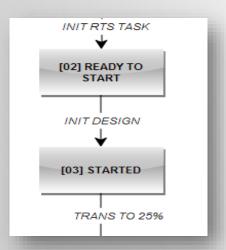
- Measured PLM Options and our existing tools
- Scored based on how well it satisfied each requirement
- 180 Requirements grouped into 8 themes
- Detailed comparison

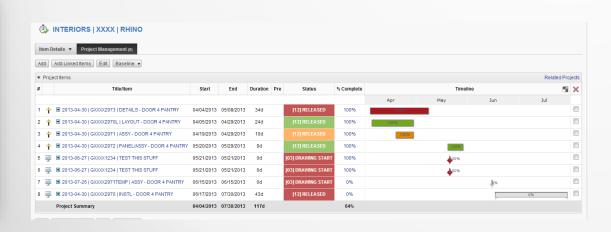
Row Labels	Sum of PLM 360	Sum of CERT STATUS DB	Sum of PICKUP LOG	Sum of RFD	Sum of VAULT	Sum of DL	Sum of DRL	Sum of DOC CONT	Sum of PAIL	Sum of EVE	Sum of GT2	Sum
⊞ Budget Management	35	3	6	3	3	55	3		6	37		
⊕ Communication Management	73	31	34	45	24	16	54	43	31	6	10	
⊕ Data Management	106	75	49	70	99	39	30	73	35	19	63	
⊕ Drawing Management	141	102	74	47	149	67	22	88	6	17	10	
■ Schedule Management	38	12	21	14	3	29	17		14	15		
■ Self Service	128	101	109	100	62	90	82	72	86	73	28	
⊕ Task Management	167	110	125	134	39	82	98	6	85	65		
■ Workflow Automation	44	37	30	29	28	12	17	26	20	9		
Grand Total	732	Q 471	Quantification (1) (1) (1) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	442	407	390	323	O 308	283	241	111	8

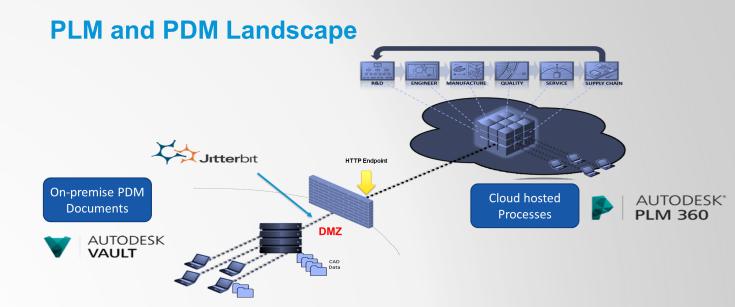


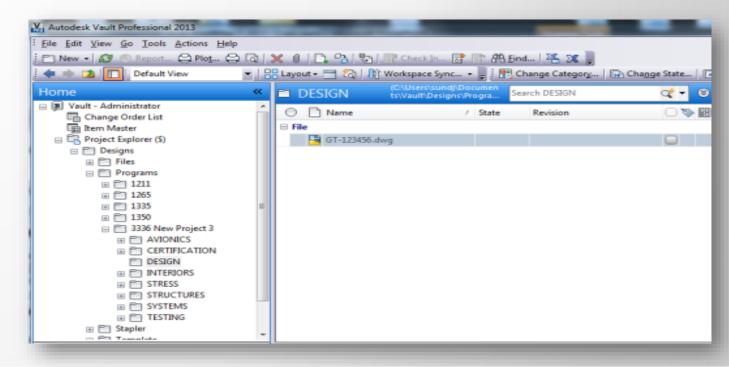
A Complete Solution Emerges

- Use PLM 360 for daily activities
 - PLM 360 NPI capabilities will match our processes
 - Capable of being the single source of project related information
- PLM 360 will integrate with Vault
 - Eliminates dual systems
 - Leverages existing investment in PDM







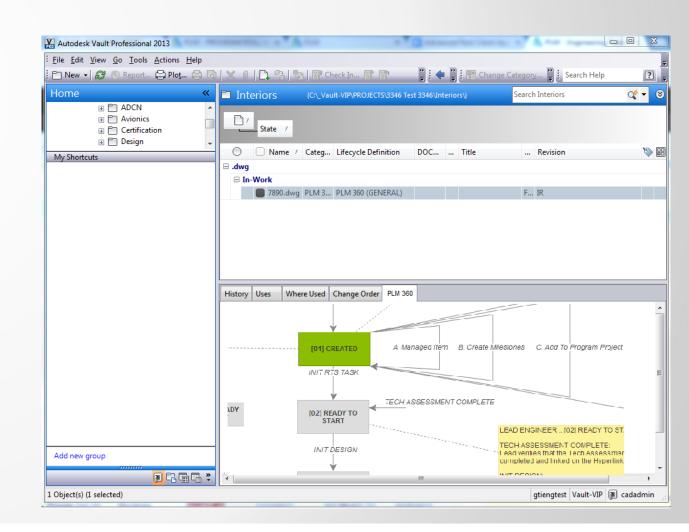






Post Implementation (The Future Looks Bright!)

- It WORKS!
- Developing a change order process
- Integration with ERP
- EBOM, Cert Status Db, Doc Control
- Want more direct integration with Vault Web-client and Vault Explorer





Key Success Factors

- Executive Sponsorship & Organization Commitment
- Well mapped business processes
- Clear definition of issues
- Clear definition of what "Success" looked like
- In-house expertise Software Development and CAD Administration
- Easy to get started with PLM 360



