


PLM Road Map™ & PDT North America 2023
The Digital Thread in a Heterogeneous, Extended Enterprise Reality
 A call for PLM Professionals to share their knowledge & experience
 May 3 & 4

CIMdata 





Supporting the Digital Thread
 A Case for Agile Prioritization to Guide
 Disruptive Change

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1

Agenda

1. Introduction
2. Context
3. Challenges & Solutions
4. Summary
5. Feedback / Learn from you



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2

Moog Inc.



Industrial Group

Products, solutions and services to solve precision control challenges in applications such as:

- Industrial automation machinery
- Energy, oil and gas
- Test and simulation
- Mobile
- Medical
- Marine
- Technology focused sports
- Autonomous robotics

Space and Defense Group

- Motion and fluid control solutions for launch vehicles, spacecraft, and human exploration
- Spacecraft avionics and payload electronics
- Precision motion control for military ground vehicles, naval ships and missiles
- Weaponization of air, land and sea platforms



Aircraft Group

- Integrated flight control systems
- Critical control applications and products
- Platform integration
- Manufacturing
- Aftermarket services
- Avionics



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3

For Context



Moog Locations History:

- Grew by acquisition
- Sites operate as individual businesses
- Many discrete systems, and industries
- Many products, requirements, and markets
 - Space
 - Commercial & Military Aerospace
 - Medical Devices
 - Industrial Products

Present Day Mission:

- Focus on Harmonization
- Focus on Data Singularity
- Support & Grow our Digital Thread

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4

Supporting the Digital Thread



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CIMdata agenda extracts:

- "Implementing a Digital Thread and its governance is daunting..."
- "How do we govern the creation and expansion of a Digital Thread?"

A Case for Agile Prioritization to Guide Disruptive Change

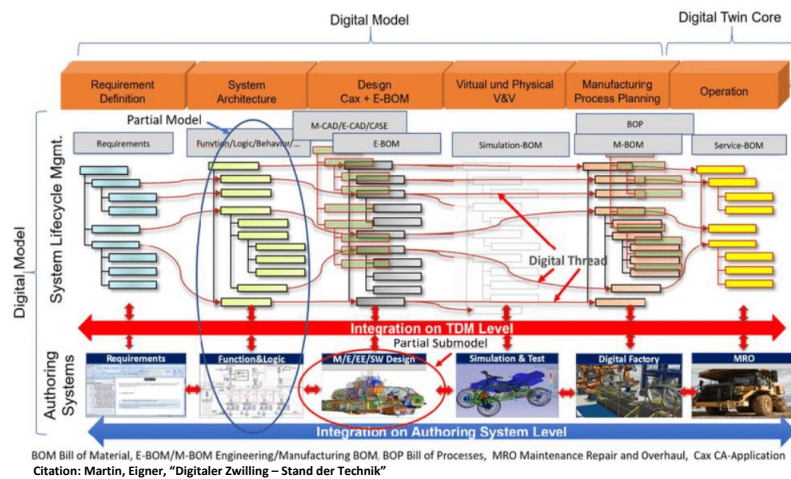


5

The Disruptive Power of the Digital Thread

Complex
Valuable
Disruptive

- How prioritize programs?
- How manage programs?
- How manage & structure platforms?



Digital Thread Requires Governance Transformation



6

Digital Transformation Journey

2017

2018

2022

Our Next Steps

- **Presentation:**
 - Agile & Cultural Transformation
 - Driving Culture of Performance
 - Secrets to Success & Lessons Learned
- Transition to a PLM Sustaining organization
- **Move towards Lean Portfolio Management**

- No Digital Thread
- New PLM Foundation @ 60% Rollout
- No live integrations

7

Today, it's Alive!

Product Lifecycle

- How prioritize across programs?
- How maximize enterprise value delivery?

We Must Act As One
Programs Can No Longer Operate In Silos

8

Challenges with the traditional paradigm

Traditional Silo Approach to Budgeting | Allocated Spend to Programs / Portfolios

PLM | MES | ERP | QMS

ROI Reported Up | ROI Reported Up | ROI Reported Up | ROI Reported Up

Silos Prioritize Program Success Over Platform Success MOOG

9

Measure ROI at the Platform Level

Thread A: Net Improvement of 15%

Thread A

-5% | -20% | +10%

Product Lifecycle Management (A&D PLM - Teamcenter) | SIEMENS

Maintenance Execution System (Solumina) | iBASE

Enterprise Resource Planning (SAP) | SAP

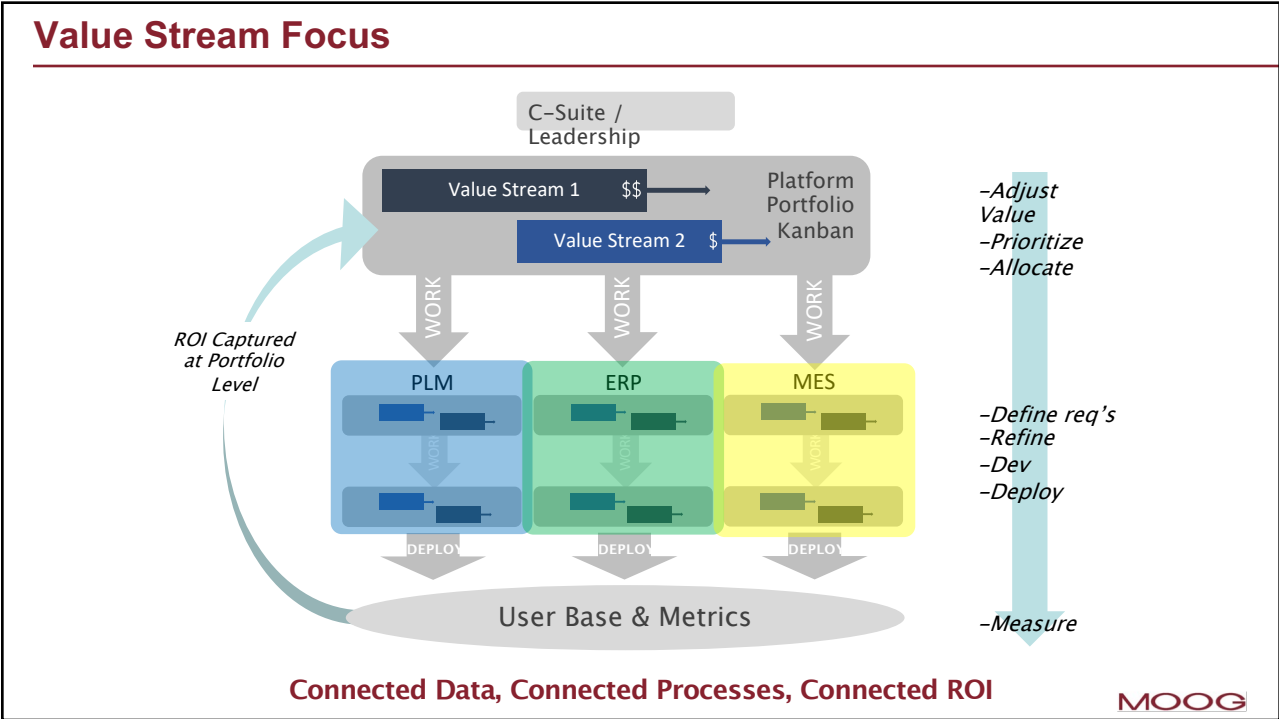
Quality Management System (Solumina) | iBASE

Product Lifecycle

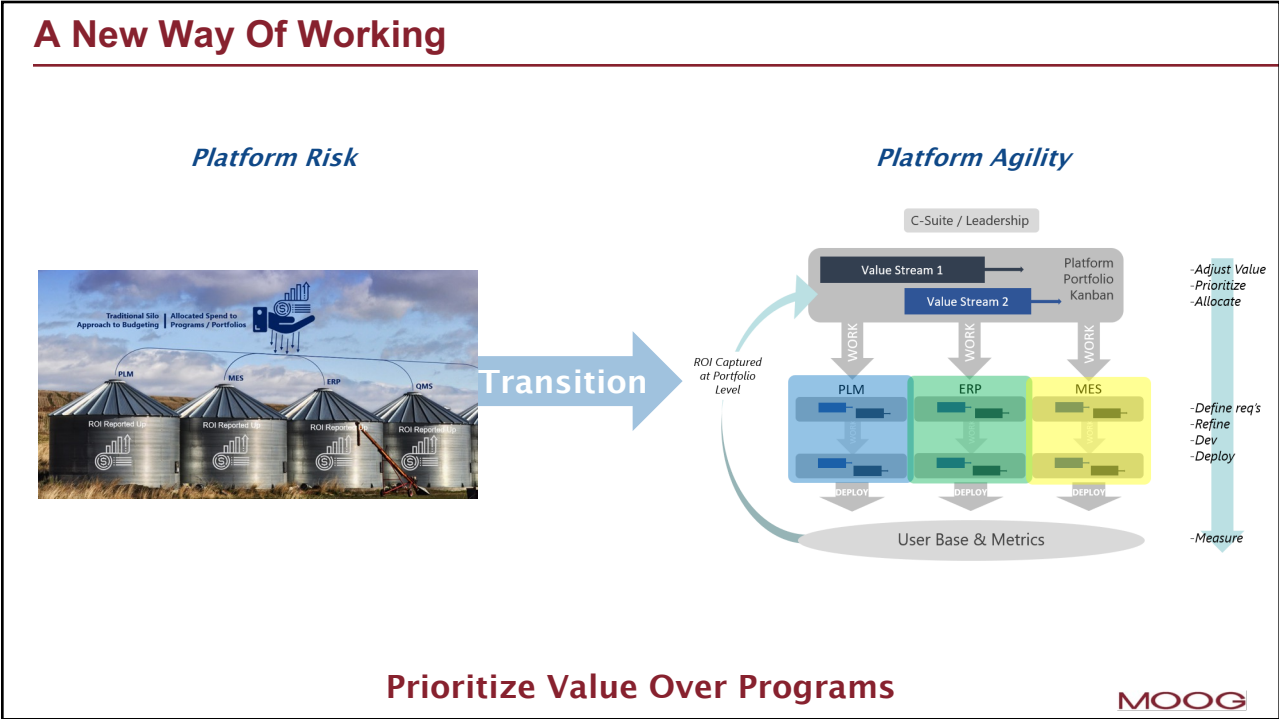
PLATFORM ROI

Baseline and Track your Threads End-To-End MOOG

10



11



12

Summary & Questions

High-Level Summary

- Silo approach is risk to the digital thread
- Track your threads end-to-end
- ROI for threads not silo's
- Allocate budget to value not programs
- Build platform agility so you can pivot and adapt

Questions

- Who currently leverages Agile practices for PLM?
- Are any of you leveraging Lean Portfolio Management type processes today?
- Where have others found success in prioritizing value delivery for their platforms?

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13

THANK YOU!

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14