

Charting a Course for EAM Continuous Improvement Processes

April 24 , 2024

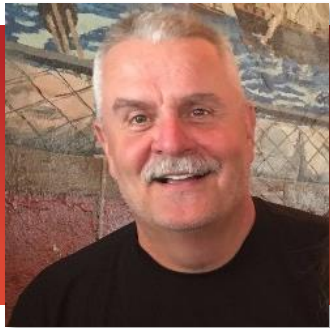


PROMETHEUS GROUP | **USER**
17TH ANNUAL

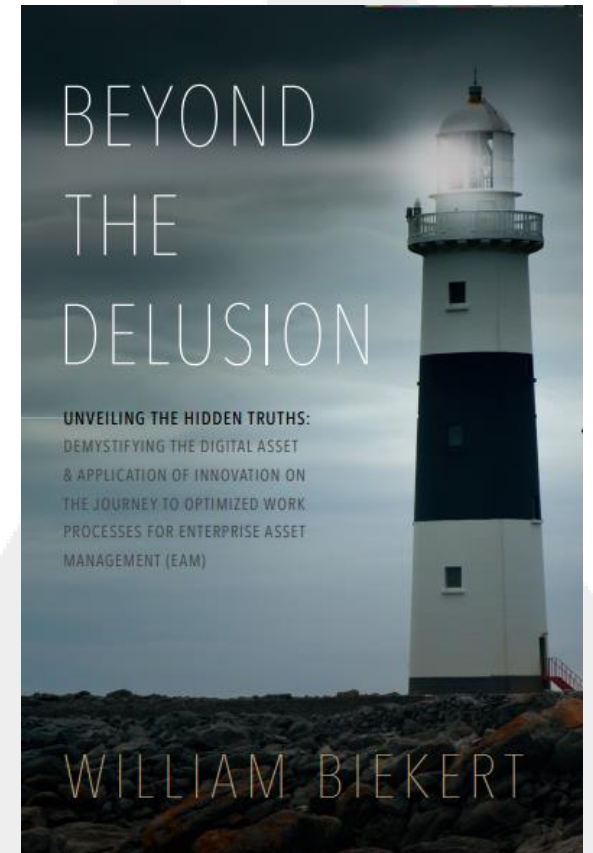
CONFERENCE

NORTH AMERICA

Speaker Introduction



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EAM Specialist



What is your
current situation?

Opening Questions?

- Equipment Data?
 - Engineering process?
 - Equipment Standards?
 - Lifecycle stranded/Paper Processes?
- Innovation?
 - Request Systems for Ideas?
 - Goals?
- Leadership?
 - Understanding?
 - Delusion of efficiencies?

The Digital Assets - Typical engineering project items



Drawings and Documents

Installation drawings, details, schematics, Manuals etc.

01



Enterprise Equipment Data

Equipment characteristics, Spare Parts, PM components,

02



Detailed Design Data

Data sheets, pump curves, Electrical coordination etc.

03



Misc.

Photos, Process data, alarm limits, other critical settings.

04



Critical Files

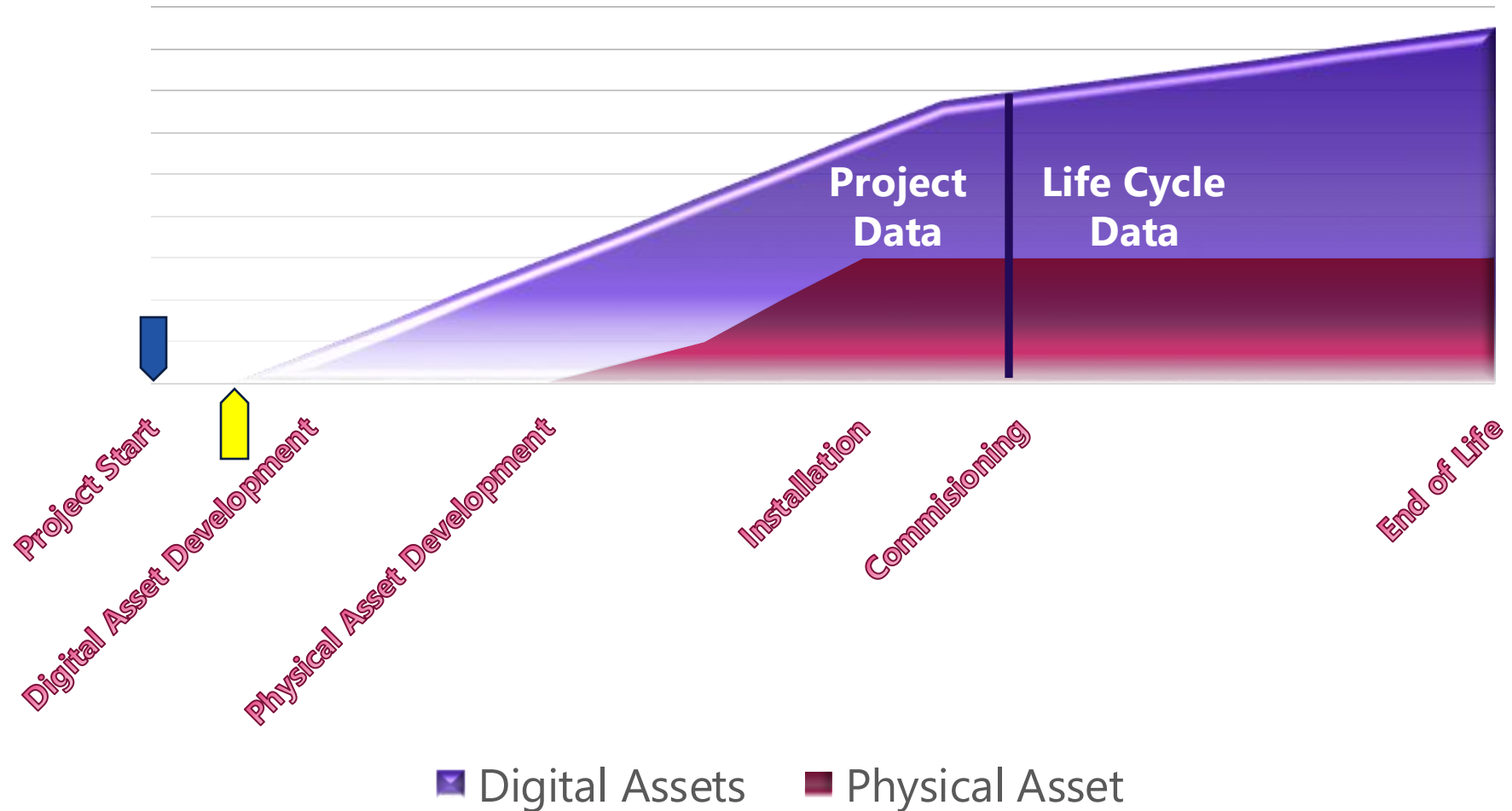
Models, Controller/HMI configurations, Pump Controls etc.

05

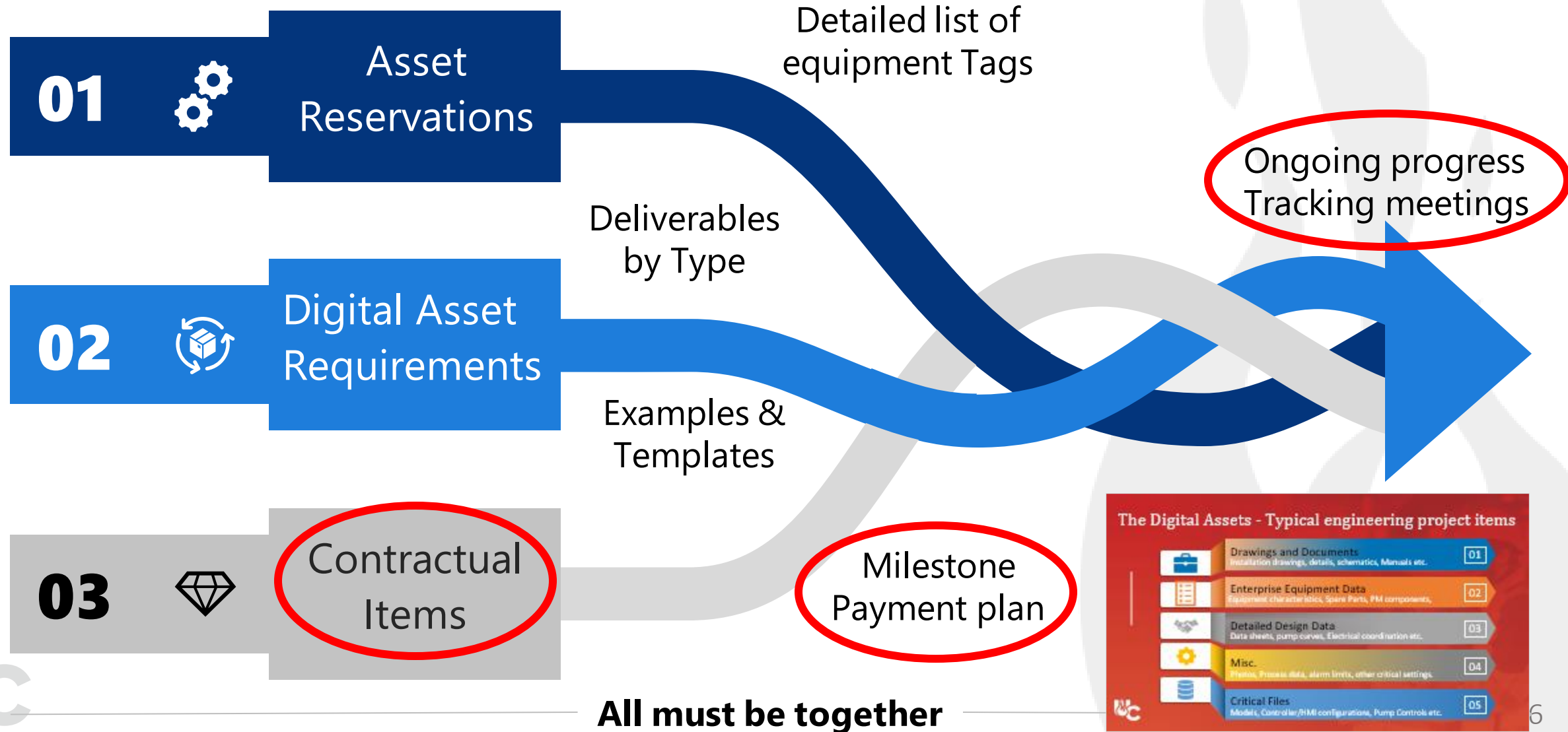


Asset Timelines – Where is the critical point?

Digital vs. Physical Asset Development



Engineering Project - Identification of Requirements



Engineering Project – Data Capture

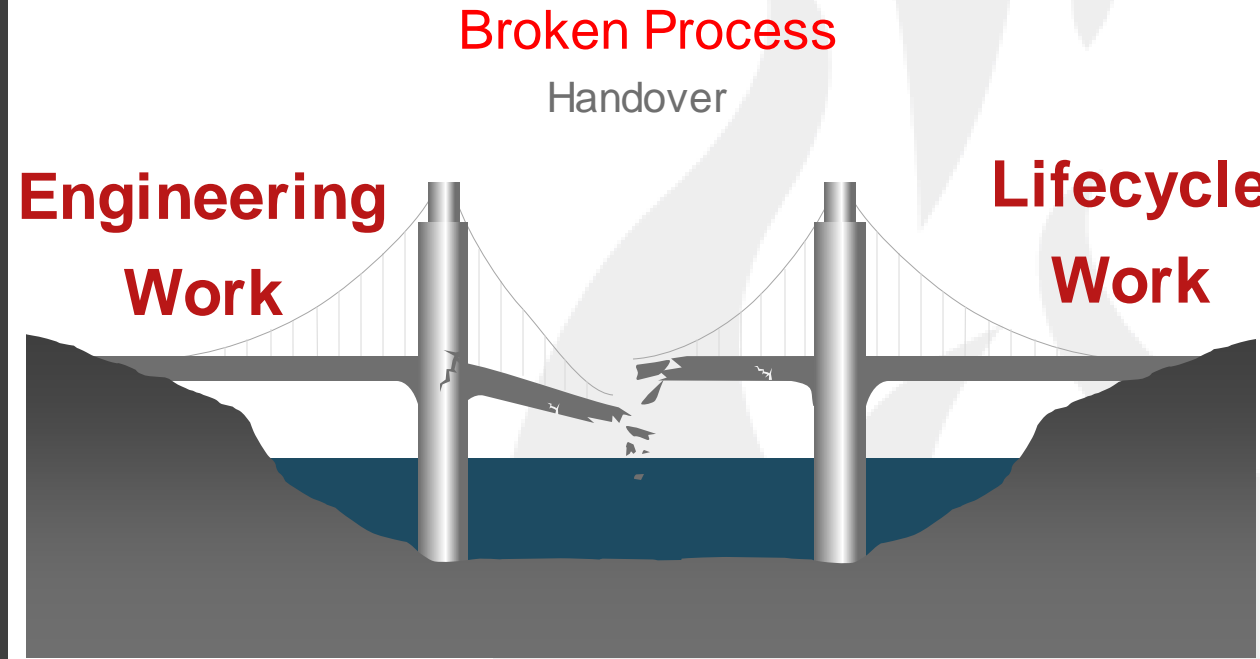
Details That Matter

- **Who**- point of contact, involved
- **What**- details by equipment type, system of record, contract ties
- **Where** – examples, templates, systems of record will be
- **When**- its required, progress reviews
- **How**- items delivered, progress is measured
- **Other?**



Engineering to Operational teams – Digital Assets

- Engineering digital assets are the foundation for lifecycle work
- Which one depicts your situation



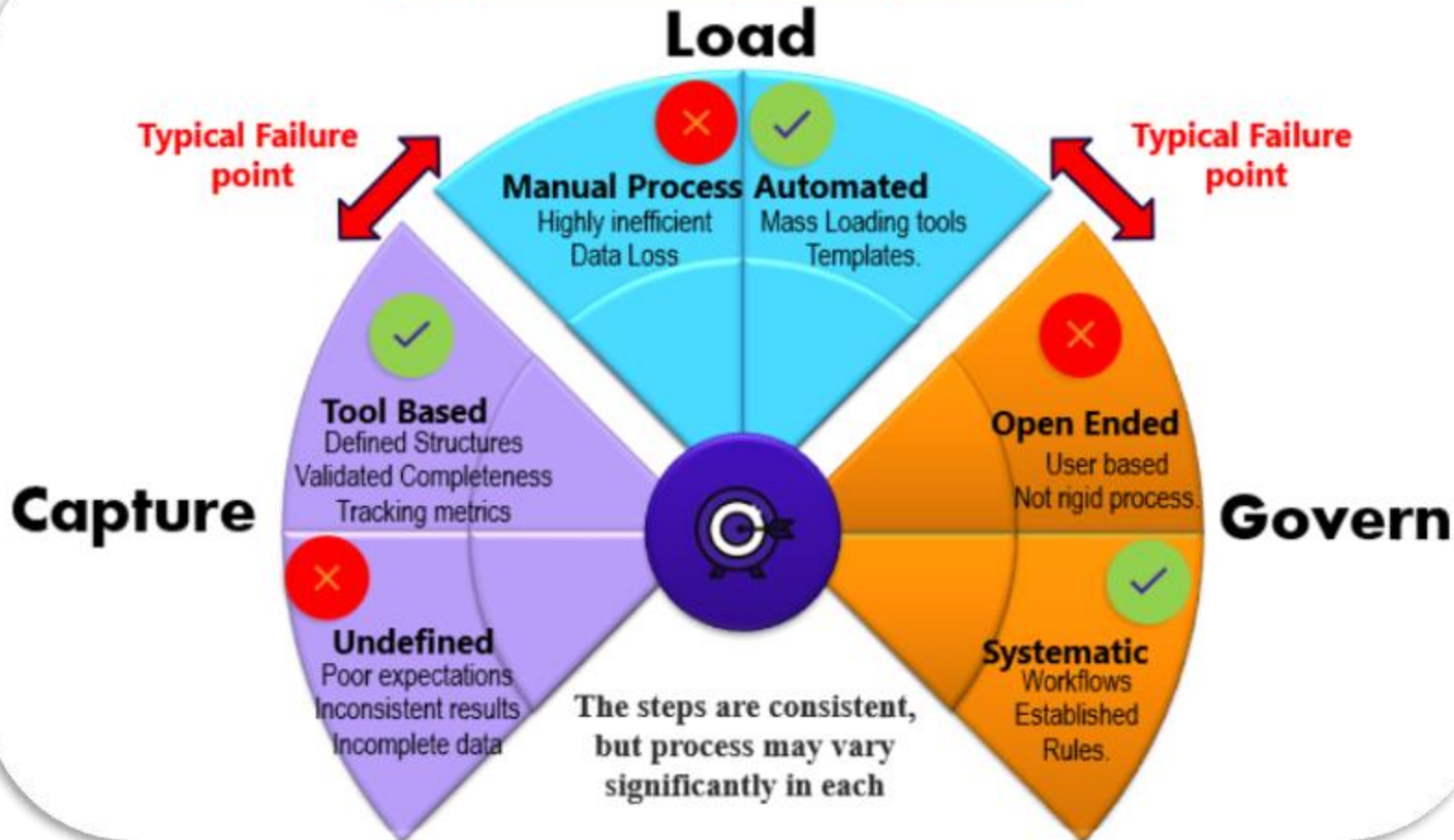
Digital Assets – Lifecycle Items (dependent)

Capture Tools

- Work Orders – Repairs, PMs
- PM Findings - Repairs/observations
- Field readings – Operator/Maintenance
- Change management – PM/drawing updates
- Shutdown work – Work History
- Work permitting LOTO -



Digital Asset Pillars



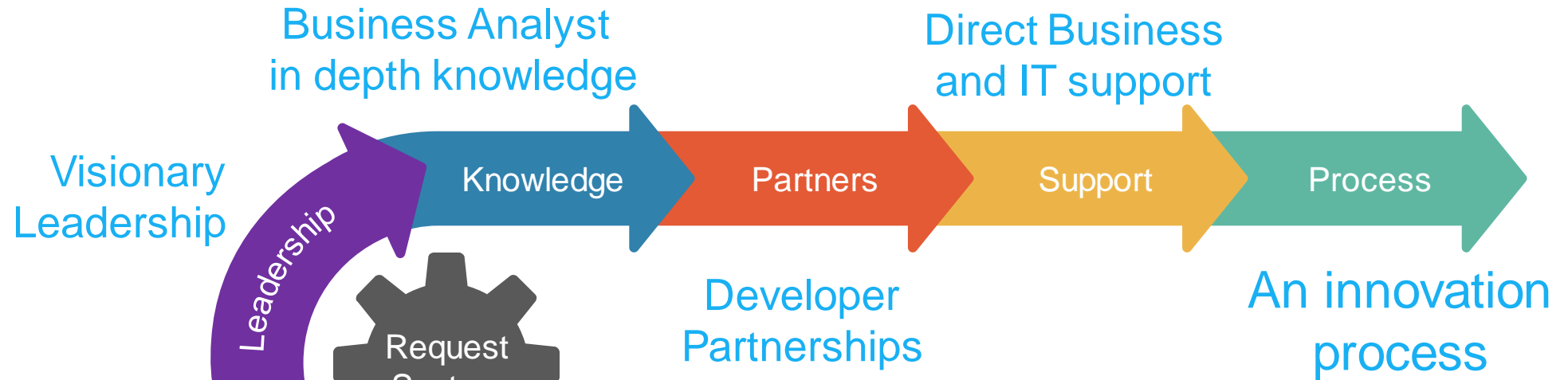
Which data Stream is most critical in your organization?
Where are the gaps?
What would it take to resolve them?

Business Innovation

- What does it take?



Business Innovation



- Idea /request system
- User Engagement
- Innovation Team
- A Process for implementation
- Super Users – ongoing support

Start



IDEA Process

Identify

- Improvement Opportunity
- Process Needs
- Gap analysis
- User Request

Adjust

- Streamline
- Gather Feedback
- Consolidate Findings
- Record Results



Develop

- Work process change
- Implement New Tool
- Custom Application
- New Feature

Evaluate

- Trial
- PoC, Pilot
- Sprints
- Testing



User Engagement

- What is it really?



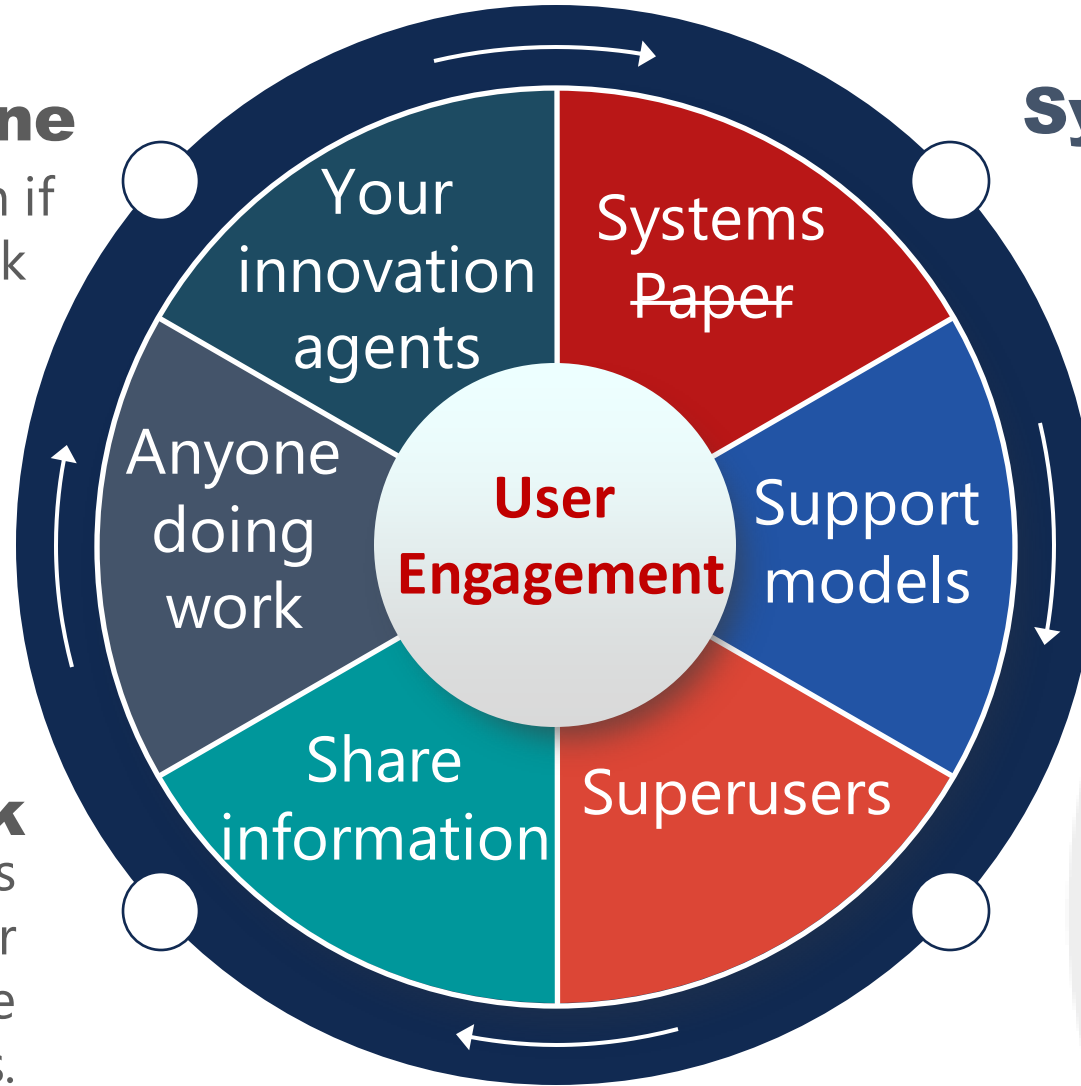
User Engagement – *A new look at an old term*

Engage Everyone

The “IDEAs” can flourish if you engage workers, ask don’t assume!!

Feedback

Ensure users know what is going on with requests or collected data to value their efforts.



Systematic approach

Invest in systems to separate capture for all business items to drive improvements.

Ongoing Support

Cannot deploy and run!
They must know you will keep moving forward..



Leadership!

- Anyone can be a leader! ➤ Be an Innovation leader
- Engage workers ➤ Seek out inefficiencies
- Manager vs. Leader ➤ Manager-sustain, leader-move forward
- Goals ➤ Improvement based goals
- Prepare for new workers ➤ Tap into the younger generations
- Look towards the future ➤ Invest in your Innovation 401K!



Thank You!

Questions?

