



# Transforming Your Master Data to Support and Sustain Your S/4HANA Migration

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# MISSION

As your partner in **digital transformation**, we help you succeed with your enterprise asset management vision and processes.



# Agenda

- Why do we do these projects?
- Where do these project go wrong?
- S4HANA notes
- Traditional cleansing and governance methods
- Preventing and overcoming the issues
- Resolving data governance FOR GOOD
- An invitation



# What are the goals of these Projects?

- Better Maintenance History
  - Better Budgeting
  - Reduced Maintenance Costs
  - Better Purchasing Decisions
- Better PM Data
  - Better Planning & Scheduling
  - Increased Equipment Life
  - More Accurate PM Tracking



# Why do Projects Fail

- 29% of ERP implementations fail to achieve half of planned business benefits
- Recent survey: At least 20% said data was the primary problem in their implementation
- GI-GO: If your data is garbage when it goes in, it is garbage when it comes out.
- Lipstick on a pig...



# Obstacles and Setbacks

- Many believe they will improve the quality of poorly maintained data with an ERP project
- Underestimating Data Conversion
  - Migration effort is often overlooked and underestimated
  - Data is not limited to simple text string manipulation
- All data must be targeted and meticulously prepared
- **Data cleanup is the most critical aspect of any implementation**
  - The one that's most often overlooked



# S4HANA – Migration is Not an Option

- Options: Conversion or Greenfield Installation
- Greenfield Installation is NOT a guarantee of success
- Greenfield example: Target Canada
  - Entries were entered by hand by entry-level employees
  - Only **30%** of the data in the system was actually correct

<https://www.canadianbusiness.com/the-last-days-of-target-canada/>



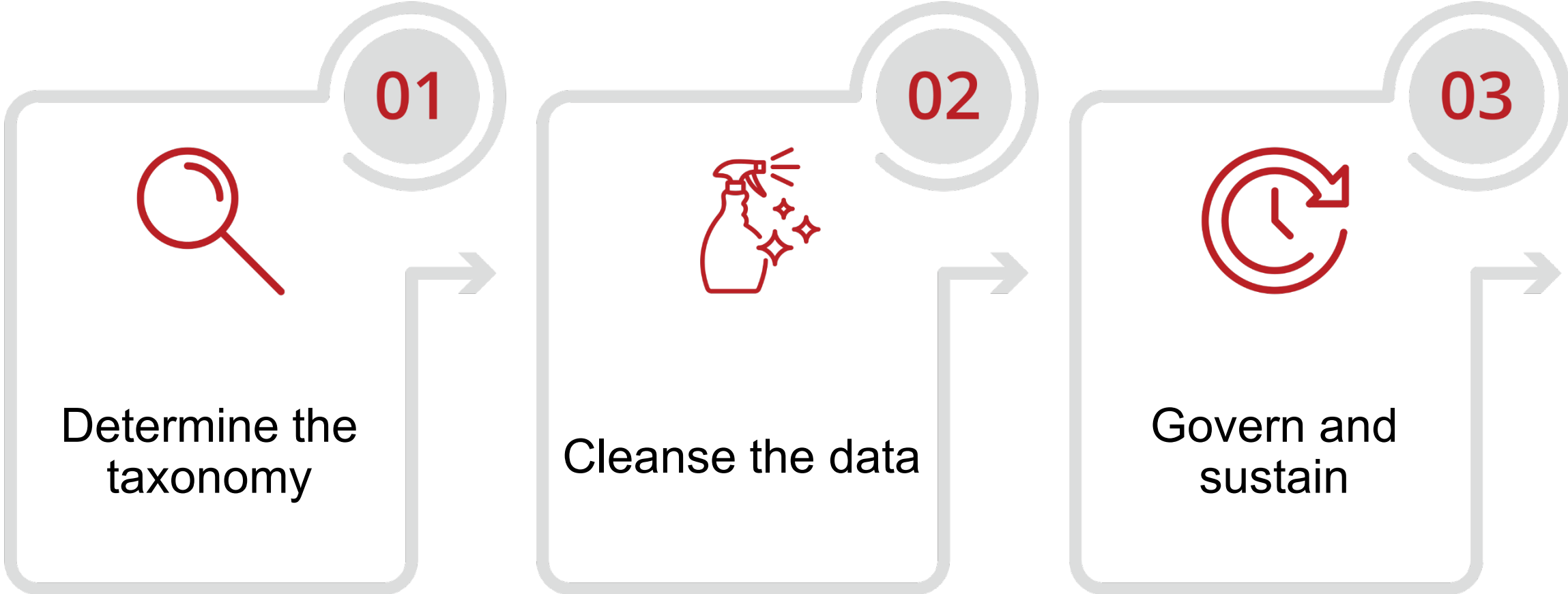
# Some Professional Advice from Randy

- Stay in the real world
  - Plan for the worst
  - Believe what you know
- Data cleansing and conversion is what throws projects off
  - Impasses reached while deliberating on taxonomy
  - Raw effort required to cleanse almost always breaks the schedule
- **Summary:** It will take longer and cost more than you estimate





# Standard Approach



# Problems with Traditional Strategy

- Lengthy and expensive cleansing project
- Difficult to compromise on corporate taxonomy
  - Sites want it their way
- Governance is too rigid and difficult to enforce
  - Once the data is cleansed, it gets dirty again
  - Too easy to create new records, duplicates
  - Too easy to “free-text”
- Project data is too customized to the client



# Let's Talk Data Best Practices

- Do we want to use Industry Best Practices and Standards?
  - To do that do we need to reinvent the wheel?
  - Is our master data fundamentally different than everyone else's?
- 1. Functional Locations may be unique based on your business, location and process
- 2. Equipment will not be unique with the exception of Serial #'s and any rare modifications
- 3. Materials will not be unique with the rare exception of customized materials
- 4. Catalogues will not normally be unique
- 5. Plans, Items, BOM's, Task Lists & Measuring Points will all be uniform to start. They may be customized as you move to a predictive maintenance goal.



# Resolving the Traditional Problems

- Eliminate the requirement of building your taxonomy
  - Remove needless debate about data standards and governance
- Ensure that you are meeting the industry standards
- Ensure experienced resources are cleansing and maintaining your data
- Mandate that you don't go over budget or schedule



# Prometheus's New Approach to Master Data

- Move away from time and materials projects
  - Shift to Software as a Service offering
- Focus on Software offering, reduce required consulting
- Offer standard taxonomies and associated values
  - This should not be organizationally defined (no benefit)
- Governance and sustainment is part of the solution
  - Data governance cannot be circumvented
  - Timely responses with minimal “red tape”



# Standard Taxonomy and Values

- Leverage governing standards where valuable
  - ISO 14224, PIDX, UNSPC
- Standardized:
  - Long and short descriptions, abbreviations
  - Translations
  - Materials: Classes and characteristics
  - Equipment: Catalog profiles
    - Object Parts, Damage, Cause, Activity Codes
  - Maintenance plans and task lists
  - Measurement points and value thresholds
  - Bill of Materials based on manufacturer and part number



# Final Thoughts

MDaaS is the easiest way to meet your project goals

- Reduces the cleansing project timeline
  - By leveraging MDaaS cleansing time can be cut 70% or more
- Helps ensure cleansing is consistent
  - Standardized taxonomy
  - One source of truth for all your data objects
- Provides Data Governance
  - Sustainability of your data
  - Ensures your data is as good or better tomorrow as it was today



# An Invitation!

- Send us your data!
  - Spreadsheet exports from your CMMS
  - P&IDs, etc.
- Prometheus can cleanse remotely
- Provide free assessment of your data







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