

BRIDGE TO THE FUTURE: OUR CLASSIFICATION JOURNEY

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Daktronics PLM Team

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liveworx.com

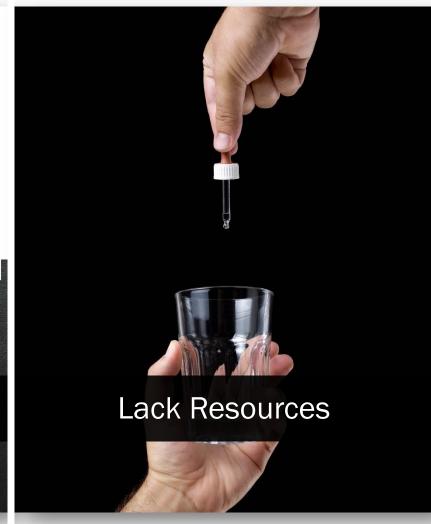


YOU'RE IN RIGHT PLACE IF...



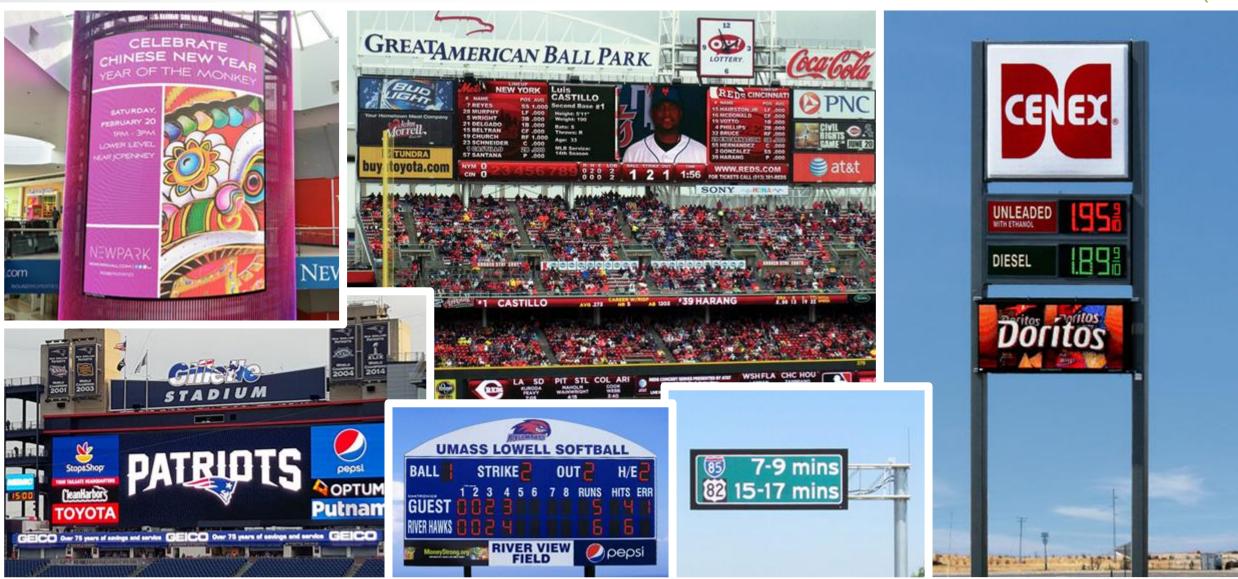






DAKTRONICS





WHO ARE WE?





Brian Iwerks



Cassie Fuls

OUR SYSTEMS

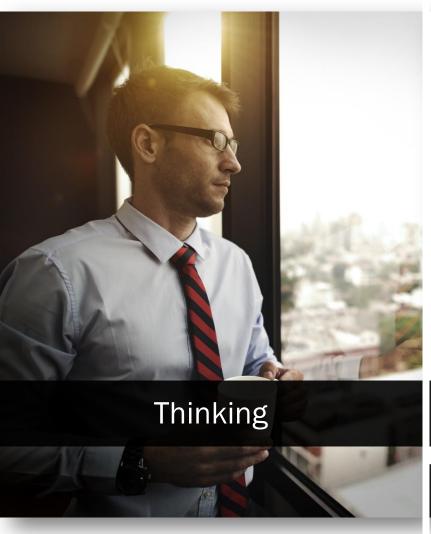




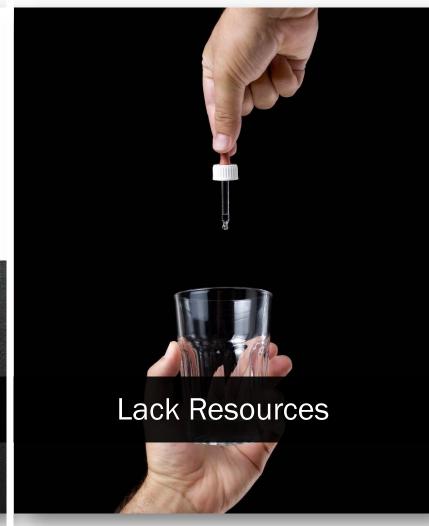
- PTC Windchill 10.2 M030 CPS11
- PTC Creo 3 & AutoCAD 2016
- Cadence (PCB)
- Glovia (ERP) & SharePoint
- Consultant: Datafrond
- Launched PLM in 2015

POLL











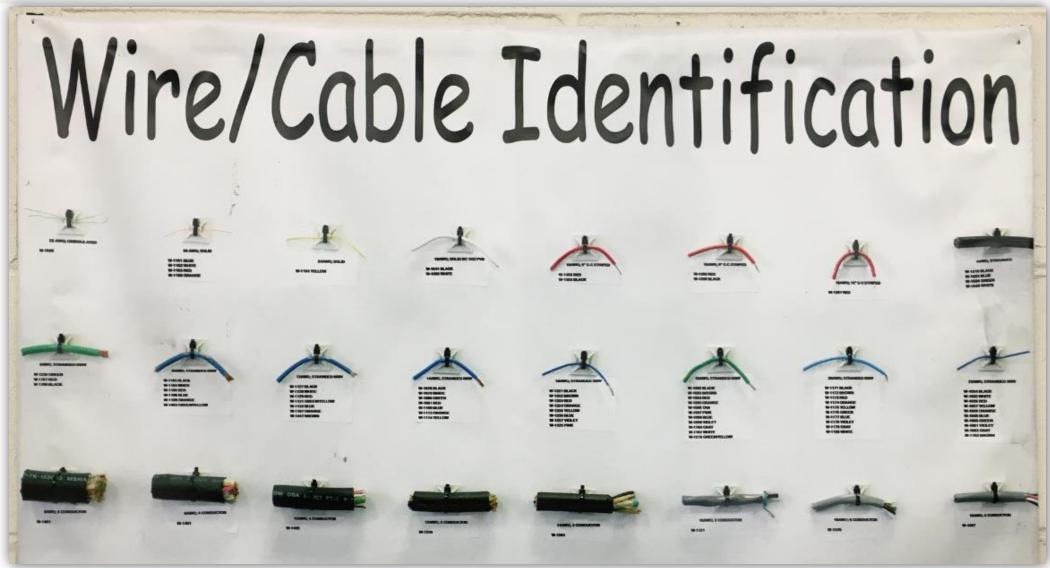


Why Classify?

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OUTDATED METHODS





CHALLENGES BEFORE CLASSIFICATION



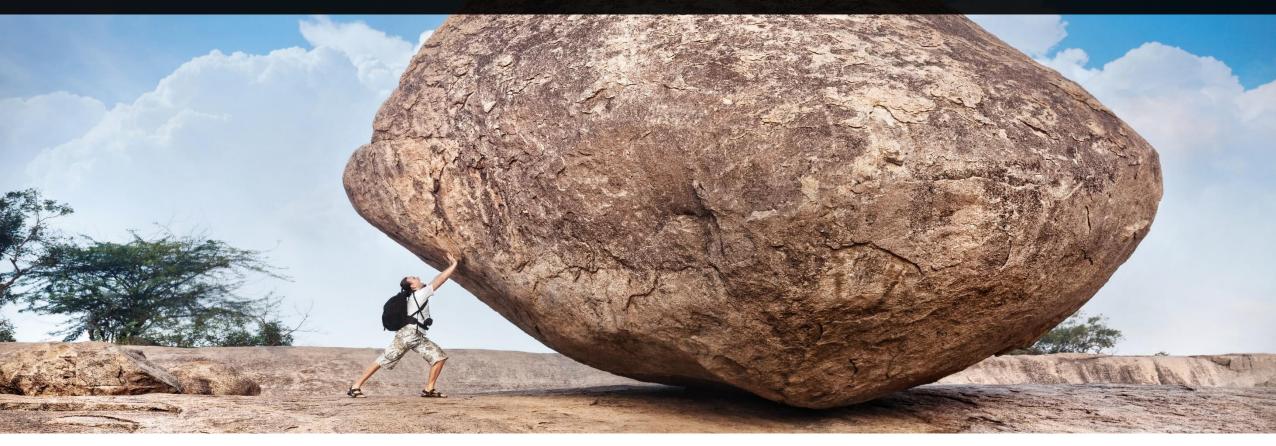
- Hard to Search
- Cryptic Part Descriptions
- Death by Decoding
- Difficult Reporting
- Variation by Business Unit
- Changing Attributes
- Duplicate Parts



CHALLENGE



Migrate and Classify 1,000,000 Parts



NEED SMALLER ROCKS!!!









MINIMUM FUNCTIONALITY



- Migrated 220,000 Parts from ERP
- Set Part Attributes
- Provided Basic PLM Value



(1)

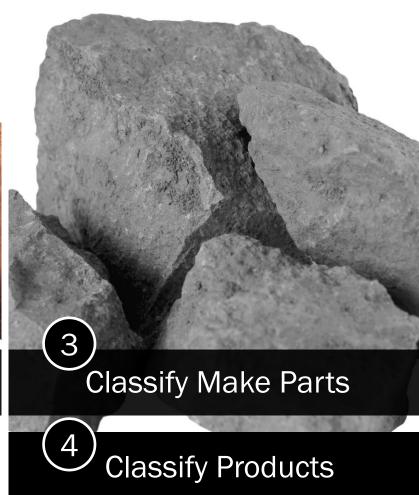
Load Parts Only











CHALLENGE #1: NO INDUSTRY STANDARD

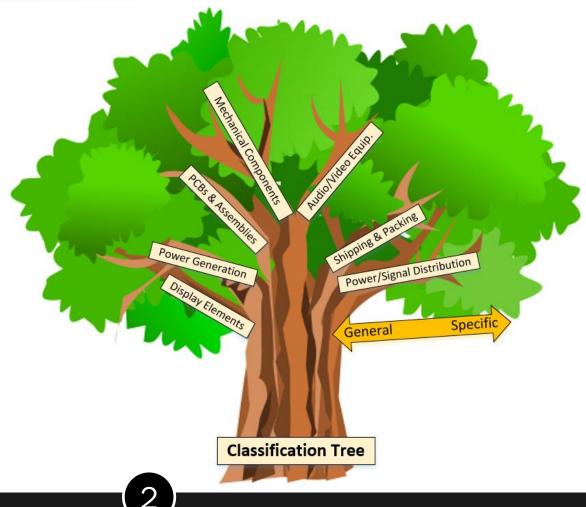






DEVELOPED OUR OWN





CONSENSUS BUILDING







"THE BRIDGE TO THE FUTURE"





"THE BRIDGE TO THE FUTURE"





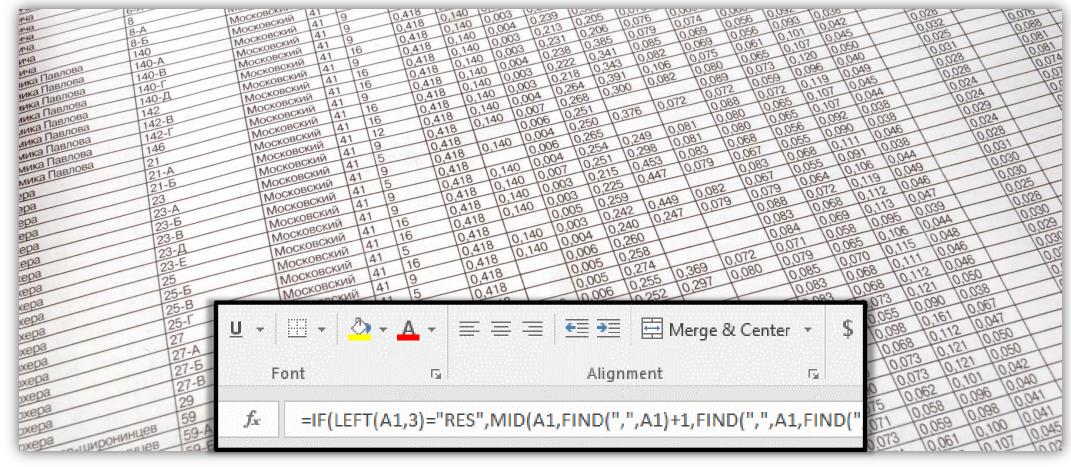






CHALLENGE #2: PARSE 2000 UNIQUE NAMING RULES

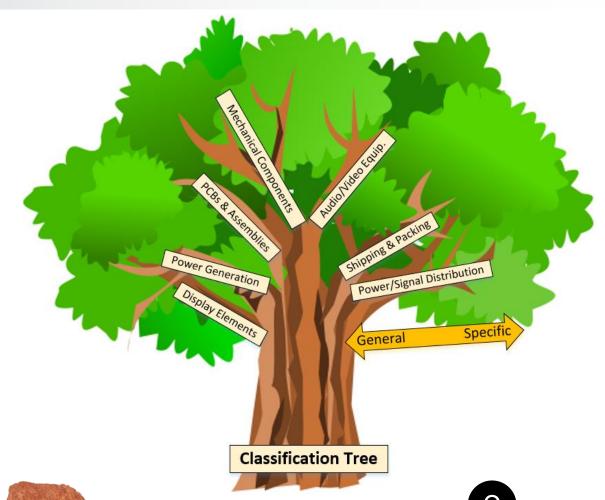






MANUAL EFFORT





- Manual Spreadsheet Work
- Tedious and Error Prone

Opportunity to Cleanse

CHALLENGE #3: FINDING A LOADER TOOL









NO SILVER BULLET



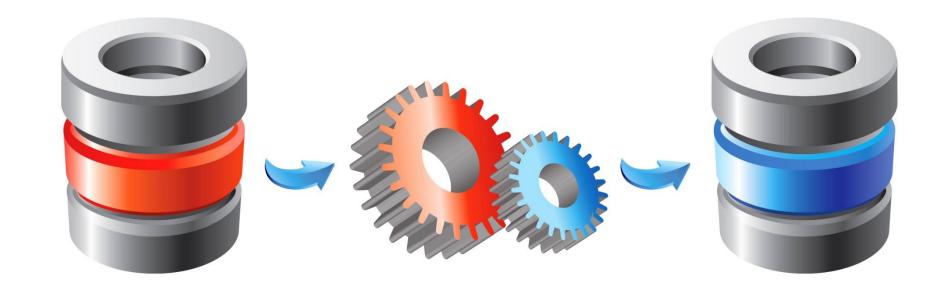


- Counterpart Discontinued
- Considered Custom Tools
- Selected Excel
- Struggled with Tags and Human Error



CHALLENGE #4: MIGRATING ACROSS ENVIRONMENTS









LAUNCHED IN WAVES



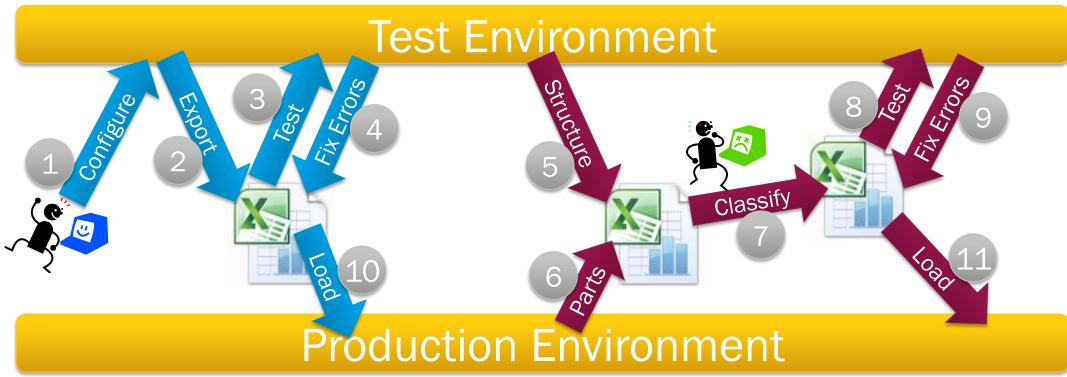
Electrical Parts

Mechanical Parts

All Other Parts

STEP-BY-STEP



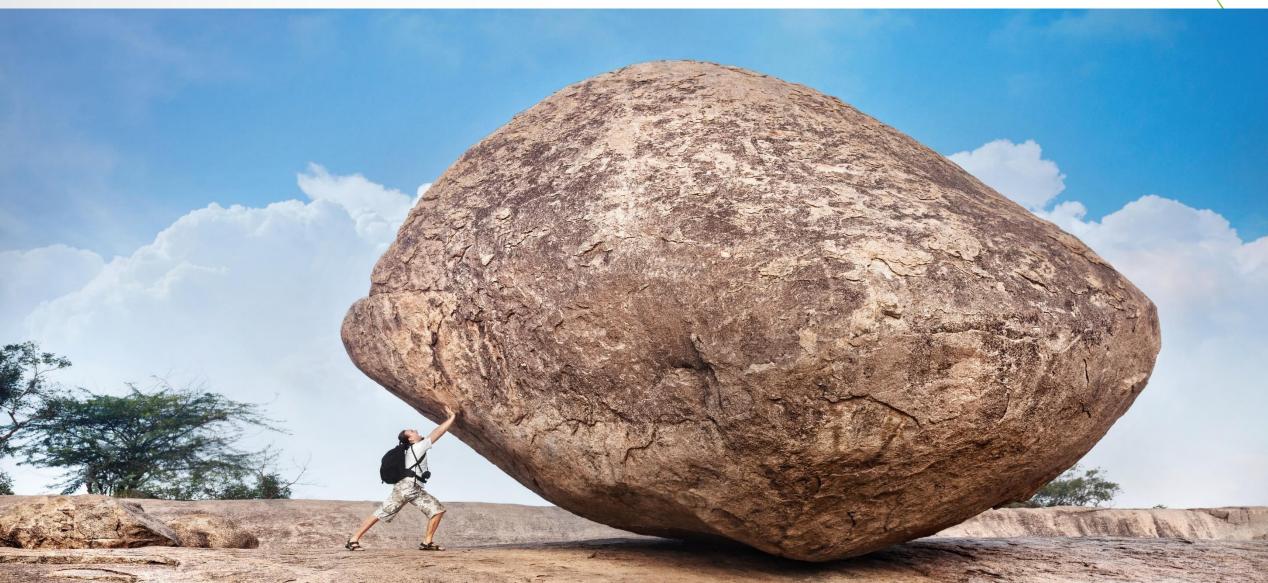


Classification Tree & Attributes

Part Data, Classification & Attribute Values

NO SMALL FEAT





NO SMALL FEAT





- 13,000+ classified buy parts
- 402 total branches
- 33 average parts per branch
- 2.8 average branches deep
- 1,101 total attributes
- 2.7 avg. attributes per branch

LESSONS LEARNED



Start Small

Lack of Standards

Governance Is Important







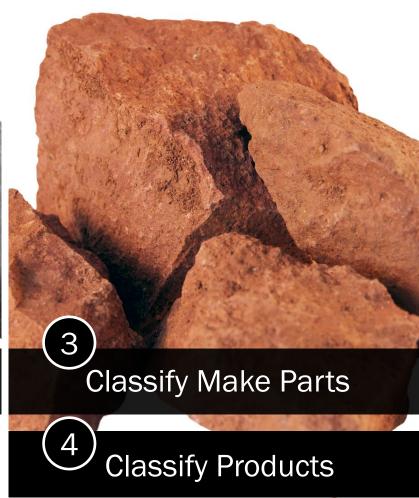
Where do we go from here?

99













The search screens greatly increase the ease of finding existing parts. They are as easy as some of the websites that designers use frequently.



DarrinSourcing Engineer





I'm pretty excited about the new part search. For parts I don't work with often, it will be a huge time savings!

JasonDesign Engineer



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Using classifications and attributes greatly increases the efficiency of searching, organizing, rationalizing, and selecting the components.

DallasSourcing Engineer

