

POWER BI USER GROUP SESSION 2

SEPTEMBER 16, 2021

Facilitated by:

Steve Dunlop
Angus McLeod
Roy Vasher



Agenda

- Introductions (new attendees)
- June 10th meeting feedback
- Super User Development Cycle - Thomas Heltzel – Wabash National
- Getting Data to the People That Need it Most– Bob Bierwagen – MPI
- Import Analytics/EV Analytics – Steve Dunlop – Purdue/DCMME
- Joining User Group – Sharing Contacts
- Open discussion and next meeting

Introductions – New Members

- Name, company, position
- Power BI knowledge and experience
- What do you want to get out of user group?

No.	Type of User	Description
1	New	Never used, interested in learning how to use
2	Novice	Started to use but not created any business reports yet
3	Experienced User	Used for some time and developed business reports/dashboards
4	Power User	Expert user and/or IT Developer
5	Senior Manager	Interested in Capabilities for Business Reporting/Dashboards

Feedback from June 10th Meeting

Question 1: What did you like best about the Kickoff meeting?

- Both the introductions (nice to see how others are using power bi) & the presentation connection to the community site
- Interested to hear the diverse arrange of people that were looking to utilize Power BI in their organization and where they are in the process.

Question 2: What could be improved or what changes could we make?

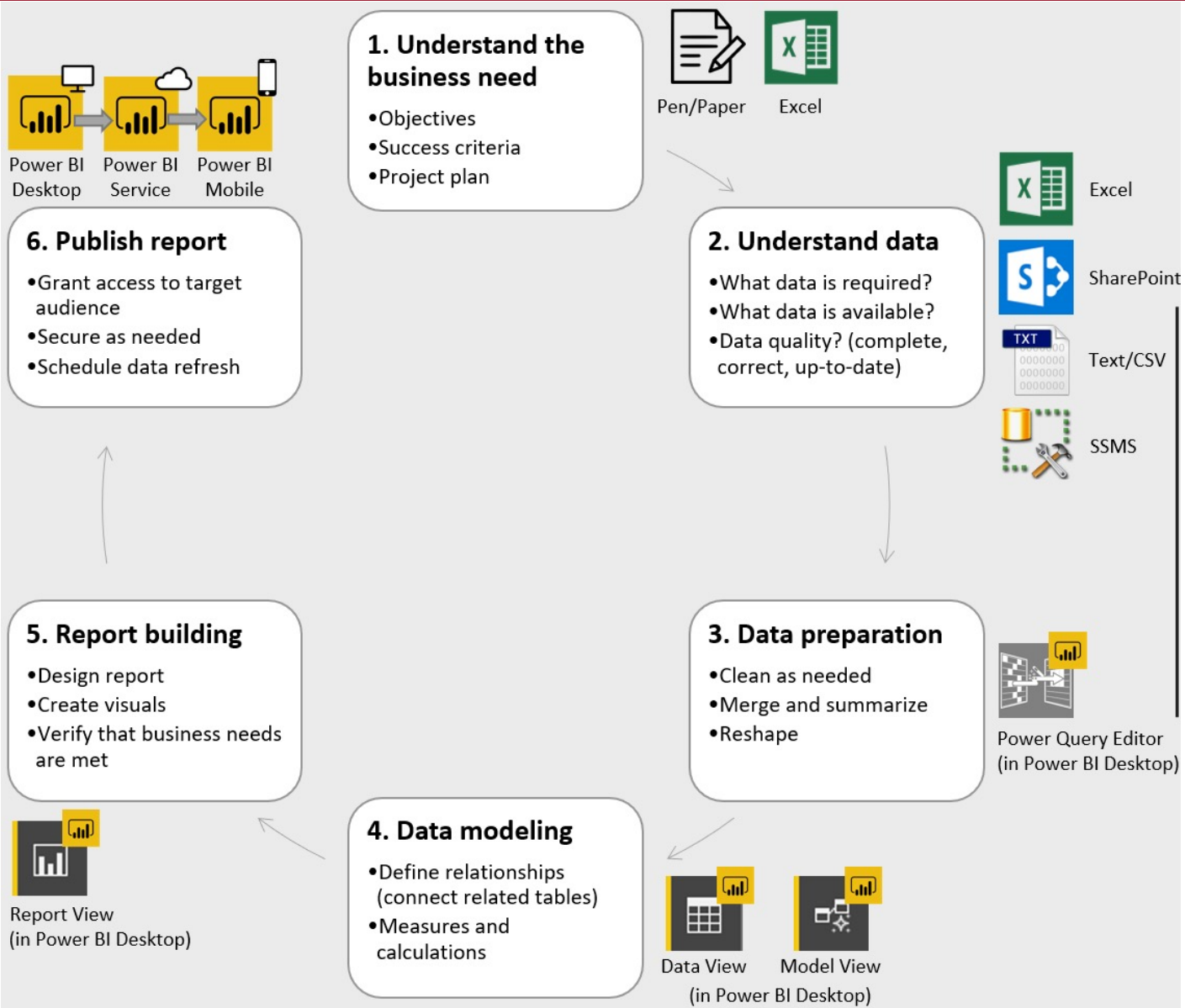
- Group is fairly spread in knowledge, may need some breakouts
- Maybe utilize only one case demo for the Kickoff meeting due to the audience mix.

Question 3: Are the other topics that we should include in future meetings?

- This is a fairly big topic, power pivot I think is a good corollary topic
- Expanding to Power Apps will be helpful to me. This is the only area I don't feel I am an expert yet.
- Storytelling with Data | Cole Nussbaumer Knaflic | Talks at Google
<https://www.youtube.com/watch?v=8EMW7io4rSI>
- I think the most beneficial topic for our team would be going over Use Cases, or discussing what others in the group are planning to accomplish with the program.
- Maybe structure future meetings to allow for more time for users/developers to go through steps with an advisor.

Power BI 'Super User Development Cycle'

Thomas Heltzel – Wabash National



Power BI Desktop	Power BI Service	Power BI Mobile
Local	Cloud	Mobile App
Datasets	Datasets*	
Data Modeling		
Visualizations	Visualizations	
Reports	Reports	
	Dashboards	
	Share results	Access data
Primary function	Capability	

Slide originally developed by John Dill for WNC Training - June 2019



POWER BI – DESKTOP POWER QUERY

RegistrationTrailer - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Text Use First Row as Headers Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning

Queries [4] Table.SelectRows(bv_sap_TrailerRegistrations, each ([BodyStyle] <> "DOLLY" and [BodyStyle] <> "DUMP" and [BodyStyle] <> "GRAIN" and [BodyStyle] <> "HOPPER" and

	Product	Coverage	Channel	TrailerRegistrations					
	Product	Coverage	Channel	TrailerRegistrations					
1	10400601070890116	TITAN TRAILER CORP	...	UNKNOWN	2007	08	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
2	10400601070890118	TITAN TRAILER CORP	...	UNKNOWN	2008	01	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
3	10400601070920341	TITAN TRAILER CORP	...	UNKNOWN	2007	10	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
4	10400601070920348	TITAN TRAILER CORP	...	UNKNOWN	2007	06	JOHNSEN AMPHIBIOUS MARINE C...	PRIVATE	SERVICE
5	10400601070930632	TITAN TRAILER CORP	...	UNKNOWN	2007	05	EDWARD HINCKLEY CORP	PRIVATE	UNCLAS
6	10400601070930634	TITAN TRAILER CORP	...	UNKNOWN	2007	05	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
7	10400601070930635	TITAN TRAILER CORP	...	UNKNOWN	2007	03	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
8	1040060127032902	TITAN TRAILER CORP	...	UNKNOWN	2007	01	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
9	10400601270890121	TITAN TRAILER CORP	...	UNKNOWN	2009	01	NICKS CUSTOM BUILT HOMES INC	PRIVATE	CONSTR
10	10400601270900086	TITAN TRAILER CORP	...	UNKNOWN	2007	01	ARCHITECTURAL INNOVATORS INC	PRIVATE	SERVICE
11	10400601270910214	TITAN TRAILER CORP	...	UNKNOWN	2007	01	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
12	10400601270930628	TITAN TRAILER CORP	...	UNKNOWN	2007	12	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
13	10400601270930629	TITAN TRAILER CORP	...	UNKNOWN	2007	05	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
14	10400601270940140	TITAN TRAILER CORP	...	UNKNOWN	2008	11	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
15	10400601270940144	TITAN TRAILER CORP	...	UNKNOWN	2007	08	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
16	10400601290940168	TITAN TRAILER CORP	...	UNKNOWN	2012	10	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
17	104011181119959	TITAN TRAILER CORP	...	UNKNOWN	2012	09	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
18	1040212C1120497	TITAN TRAILER CORP	...	UNKNOWN	2012	05	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
19	104041181119966	TITAN TRAILER CORP	...	UNKNOWN	2012	02	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
20	104041181119970	TITAN TRAILER CORP	...	UNKNOWN	2012	05	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
21	1040412C1120501	TITAN TRAILER CORP	...	UNKNOWN	2012	05	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
22	1040615E2001501	TITAN TRAILER CORP	...	UNKNOWN	2015	04	L & W FAB & MACH INC	PRIVATE	MANUF
23	1040615E2001502	TITAN TRAILER CORP	...	UNKNOWN	2015	04	L & W FAB & MACH INC	PRIVATE	MANUF
24	1040710A1119349	TITAN TRAILER CORP	...	UNKNOWN	2012	02	AQUA RAMA POOLS SPAS & SERVI...	PRIVATE	WHOLE
25	1040710A1119358	TITAN TRAILER CORP	...	UNKNOWN	2012	07	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
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27	1040711B1119981	TITAN TRAILER CORP	...	UNKNOWN	2012	06	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
28	1040711B4449976	TITAN TRAILER CORP	...	UNKNOWN	2012	03	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
29	1040P2023M0988001	TITAN TRAILER CORP	...	UNKNOWN	2021	04	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
30	1040YSTERCATCHERC	TITAN TRAILER CORP	...	UNKNOWN	2019	03	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
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34	1041012C1120515	TITAN TRAILER CORP	...	UNKNOWN	2013	11	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
35	1041012C1120518	TITAN TRAILER CORP	...	UNKNOWN	2012	07	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
36	104106204690746	TITAN TRAILER CORP	...	UNKNOWN	2017	01	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
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39	1041310A1119385	TITAN TRAILER CORP	...	UNKNOWN	2012	04	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL
40	1041410A1119386	TITAN TRAILER CORP	...	UNKNOWN	2012	12	NAME NOT AVAILABLE	INDIVIDUAL	INDIVIDUAL

15 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 11:53 AM



POWER BI – DESKTOP DATA MODEL

The screenshot displays the Power BI Desktop interface for a data model named "RegistrationTrailer". The ribbon includes File, Home, and Help. The Home ribbon has sections for Clipboard, Data, Queries, Relationships, Security, Q&A, and Share. The main workspace shows three tables:

- TrailerRegistrations**: 1JJ, BodyStyle, Channel, DMA, FiatTerritory, Make, Make5, MakeName, MakePlantBody, Month, PlantLocation, Product, Product1, Product2, RegCarrierType, RegCity, RegCounty, RegDate, RegName, RegState, RegStateCounty, RegVocation, RegYearMonth, RegZip, SecondaryName, StateCounty, TankerTerritory, VanTerritory, VIN, Year, MktShare1JJ, Registrations.
- Coverage**: FIPS, FiatTerritory, RegStateCounty, TankTerritory, VanTerritory.
- Product**: MakePlantBody, Product.

Relationships are shown as follows:

- TrailerRegistrations (1) to Coverage (1)
- TrailerRegistrations (1) to Product (1)

The Properties pane on the right shows settings for Cards:

- Show the database in the header when applicable: No
- Show related fields when card is collapsed: Yes
- Pin related fields to top of card: No

POWER BI – DESKTOP REPORT VIEW

RegistrationTrailer - Power BI Desktop

File Home Insert Modeling View Help

Clipboard: Paste, Copy, Format painter

Data: Get data, Excel workbook, Power BI datasets, SQL Server, Enter data, Dataverse, Recent sources

Queries: Transform data, Refresh

Insert: New visual, Text box, More visuals

Calculations: New measure, Quick measure

Sensitivity: Sensitivity

Share: Publish

Visualizations: Bar chart, Line chart, Pie chart, etc.

Fields: Channel, Coverage, Product, TrailerRegistrations

Filters: RegDate (1/1/2007, 5/1/2021)

RegCarrierType: DEALER, FINANCE LEASE, FOR HIRE, etc.

RegVocation: AGRICULTURE/FARM, BEVERAGE PROCESSING & DISTRIBUTION, etc.

Make Year: Make Month, Buyer Month, Buyer Year, Make Plant, Van, Reefer, Flat, Tanker, WNC, Leasing, Export, Bing Map, Esri Map, Heat Map, Van Dealer Opportunities

MakeName	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
WABASH NATIONAL CORP	38,579	22,014	12,223	24,333	41,980	36,784	38,326	43,535	42,636	51,563	49,965	42,617	50,202	30,946	15,629	541,332
GREAT DANE TRAILERS	36,588	20,454	12,361	17,705	31,157	41,240	40,812	42,185	40,452	44,081	43,137	39,975	49,865	32,584	14,982	507,578
HYUNDAI TRANSEAD INC	10,522	4,846	3,728	7,598	1,696	26,480	28,226	31,601	35,665	47,840	56,688	55,826	72,295	29,138	23,454	435,603
UTILITY TRAILER MFG	23,128	6,475	1,847	1,080	2,451	28,433	33,728	37,461	41,221	42,186	41,022	44,827	45,471	30,787	10,990	391,107
STOUGHTON TRAILERS INC	6,473	4,967	3,044	3,660	6,763	8,717	9,362	13,461	10,477	11,886	12,804	11,238	16,149	9,523	4,778	133,302
VANGUARD NATIONAL TRAILER CORP	7,066	4,147	1,318	3,660	4,998	6,311	7,378	7,624	7,766	8,184	9,306	9,214	11,236	10,455	4,236	102,899
FONTAINE TRAILER CO	3,745	1,849	551	813	2,429	3,226	3,359	4,465	5,972	4,072	4,883	6,743	7,133	3,175	1,192	53,607
TRANSRAFT CORP	1,785	1,562	1,436	1,280	2,234	3,966	3,362	3,879	3,705	3,098	2,725	3,284	3,629	2,032	937	38,914
REITNQUER	2,064	1,134	469	580	1,167	2,054	2,431	2,415	2,702	2,534	2,443	2,799	2,990	1,547	793	28,122
HEIL CO	1,404	1,718	632	990	1,682	2,015	1,770	2,552	2,367	1,273	1,426	1,684	1,886	723	396	22,518
POLAR	1,230	627	270	563	1,326	1,685	1,876	1,736	1,896	1,515	1,643	1,834	2,154	1,983	889	21,227
STRICK TRAILERS	3,020	1,219	419	394	156	2,269	774	1,278	982	2,162	1,990	1,906	2,295	1,614	364	20,842
KENTUCKY MFG	1,512	1,085	735	961	1,300	1,254	1,299	1,097	1,138	1,310	1,325	1,400	2,364	1,557	1,461	19,798
MAC TRAILER MFG	691	505	182	381	947	1,490	1,547	1,611	1,599	1,322	1,936	2,263	2,079	1,405	708	18,666
CIMC TRAILERS	2	1	14	52	321	528	413	660	1,852	2,611	2,500	2,367	3,158	2,382	970	17,831
MANAC INC	881	815	284	171	270	1,088	1,124	1,528	1,833	1,555	1,349	1,460	1,631	1,067	263	15,319
EAST MANUFACTURING	659	334	50	130	464	924	871	1,059	1,186	1,079	1,509	1,623	2,096	1,134	764	13,882
Total	142,393	76,352	40,923	66,685	105,900	176,137	183,783	207,397	213,167	235,283	244,418	239,712	285,879	169,121	85,161	2,472,311



POWER BI – SERVICE WORKSPACE [PREMIUM APPS USED BY WABASH NATIONAL]

Settings for RegistrationTrailer

This dataset has been configured by thomas.heltzel@wabashnational.com.

Last refresh succeeded: Tue Jul 27 2021 14:07:19 GMT-0400 (Eastern Daylight Time)
Next refresh: Tue Aug 03 2021 14:00:00 GMT-0400 (Eastern Daylight Time)
[Refresh history](#)

Dataset description

Gateway connection

To use a data gateway, make sure the computer is online and the data source is added in [Manage Gateways](#). If you're using an On-premises data gateway (standard mode), please select the corresponding data sources and then click apply.

Use an On-premises or VNet data gateway

On

Gateway	Department	Contact information	Status	Actions
Wabash Data Gat...		melanie.schulze@wab...	Running on WNCDDGWP01	
Data sources included in this dataset:				
SharePoint("sharePointSiteUrl":"https://wabashnational.sharepoint.com/teams/powersupport/")				
SqlServer("server":"datahub.wabashnational.lan";"database":"datahub") Maps to: Datahub				

Data source credentials

Datahub-datahub.wabashnational.lan (admin has granted access, credentials are not required) [Show in lineage view](#) [Edit credentials](#) [Show in lineage view](#)

Parameters

Query Caching

Scheduled refresh

Keep your data up to date

On

Refresh frequency

Daily

Time zone

(UTC-05:00) Eastern Time (US and Ca)

Time

6:00 AM

[Add another time](#)

Send refresh failure notifications to

Dataset owner

These contacts:

Enter email addresses

Setup Navigation Permissions

Build your app

App name *

United

Description *

WNC Core App \ Security via Any Other Core Group

152 characters left

Support site

Share where your users can find help

App logo



App theme color



Contact Information

Show app publisher

Show items contacts from the workspace

Show specific individuals or groups

Thomas Heltzel

Setup Navigation Permissions

New navigation builder

On

Add reports and dashboards to this app. Then organize the custom navigation pane so it's easy for people to find what they're looking for.

Navigation *

- + New
- United
- Launch
- ExecutionBowlerSeries
- UsageMetrics
- IndustryGPS
- RegistrationTrailer
- DealerShare

Dashboard details

Name * [Reset](#)

United

Dashboard link [Open](#)

https://app.powerbi.com/groups/0f42077d-ca9d-4f02-a9d8-d1f22ed7a22/dashboards/fc8a8ea2-e382

Section

No section

Hide from navigation

> Advanced

Setup Navigation Permissions

Access

Entire organization

Specific individuals or group

- PowerBI-Reporting-Executive
- PowerBI-Reporting-CapEx
- PowerBI-Reporting-Design
- PowerBI-Reporting-Commercial
- PowerBI-Reporting-Procurement
- PowerBI-Reporting-Operation
- PowerBI-Reporting-Financial
- PowerBI-Reporting-UPS
- PowerBI-Reporting-Workforce
-

Users and groups with access to this workspace can access this app.

This app will be created in a Power BI Premium workspace. As long as the workspace remains a Premium workspace, anyone in your organization can be given access to it.

Allow everyone who has app access to

Allow all users to connect to the app's underlying datasets using the Build permission.

Allow users to make a copy of the reports in this app.

Allow users to share the app and the app's underlying datasets using the share permission.

[Learn more about how to publish and update Power BI apps](#)

Installation

Install this app automatically.



Getting Data to the People That Need it Most

Purdue Power BI User Group
September 16, 2021



Speaker Bio



Speaker Bio:

Bob has over 35 years of executive experience in in software and technology in both the software and manufacturing industries. His career includes executive leadership roles in product development, product management, marketing, operations, sales management and technology. Bob has also operated his own small business as a direct marketer and software reseller. His unique combination of background and experience has provided the ideal qualifications for his current role at MPI Corporation as VP of Digital Strategies where he is leading the company's efforts in IIoT and Advanced Analytics.

MPI Corporation



BUILDING BUSINESSES
ENRICHING LIVES
www.mpicorp.com



www.smallpartsinc.com



Logansport, IN



Juarez, Mexico



www.callhti.com



Logansport, IN



www.abcmetals.com



Logansport, IN



Indianapolis, IN



www.chellis.com



Indianapolis, IN



Beaumont, CA



Reynosa, Mexico



El Paso, TX



Pharr, TX

MPI Corp Business Analytics Strategy

- Much more than just getting Power BI setup
 - Cultural transformation effort that is critical for our future
- Not just a one-time event
 - For continued success analytics needs committed effort and resource
- Not just an IT project to meet Executive Direction
 - Must involve staff that will be using the data
 - Must include a high degree of ownership for those using the data
- Multiple methods for distributing data and Dashboards
 - Distribution via e-mail
 - Integrated solutions using MS Teams
- Governance needs to include continuous improvement component
 - IT or Management cannot own analytics alone or it will fade away
 - Data cannot be used to beat people up, rather to improve processes

MPI Corp Primary Motivation for Power BI



Reactive



Compliance



Recording data

- Our staff is really great at figuring what to do when the chips are down – but not as strong in thinking about how to avoid issues
- Our team is very diligent in following instructions, but bringing up new team members is not a current strength
- As we have a high longevity factor with our team, much of what is done has become tribal knowledge which also makes it difficult for new team members
- While our team is diligent in recording key data in production, it is primarily used when we need to figure out what happened - and not to improve processes on a regular basis
- Newer and younger staff are surprised we are not using technology and data daily for insight

MPI Corp Objectives for Power BI & Analytic Tools



Proactive



Engagement



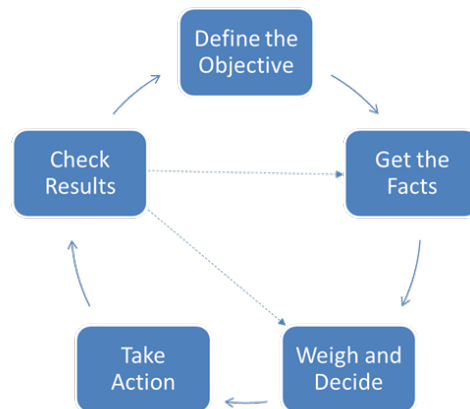
Using data

- Provide data for our staff to understand what is happening in real-time and alert to issues in time to mitigate them during production
- Provide data visualization and analysis tools that support a true CI ownership by staff
- Help staff drive improvements in our processes and methods, not just comply to procedures and requirements
- Provide insights from the data we collect and begin to proactively attack problems at a root cause level, not just treat symptoms
- Use data to help improve new staff training and subject matter expertise rather than rely on tribal knowledge that takes years to develop
- Create an environment where the next generation of workers has the tools and data to quickly contribute to company success

Step 1: Equip Leaders in Three Key Areas

Level 2 Leaders

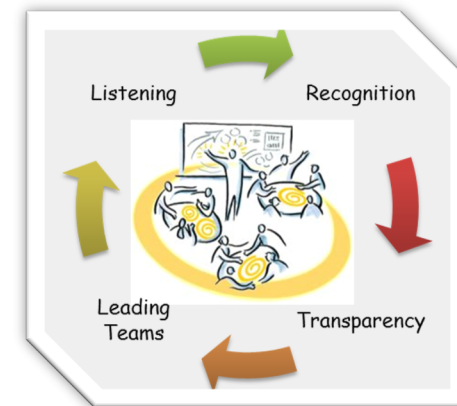
3x5 Process



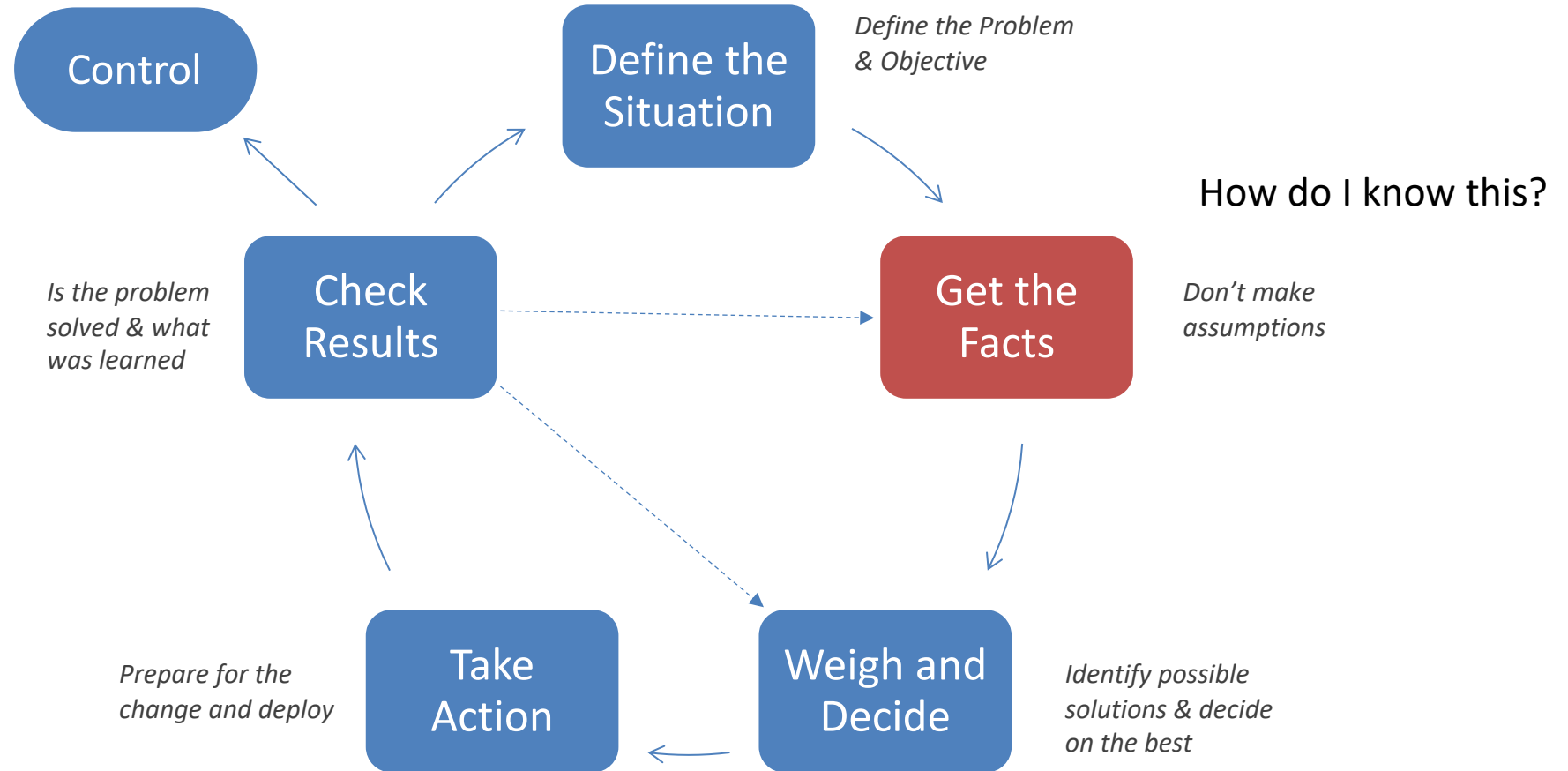
Tools



Soft Skills



Step 2: Train staff to use the MPI 3 X 5 Toolbox – 5 Steps



Step 3: Talk to staff and provide the data they need

1

Have a low-key conversation regarding what would help someone

- Quick discussion and demo on Power BI examples
- Don't get caught up in how, focus on what they need and why
- Guide, but don't force any direction
- Ask them to define what a successful outcome would look like

2

Create a simple Dashboard and review with user

- Show them how it works
- Review visualizations that they might like
- Talk about what data slicers and filters would help them

3

Bring back an updated dashboard and repeat the process

- Let them run with it for a while
- Repeat the process again

Step 4: Learn or identify expertise in Data Modeling

To succeed with analytics data modelling knowledge is critical

- Either learn the basics yourself or identify available expertise
- MS has a ton of straight forward video tutorials to learn with

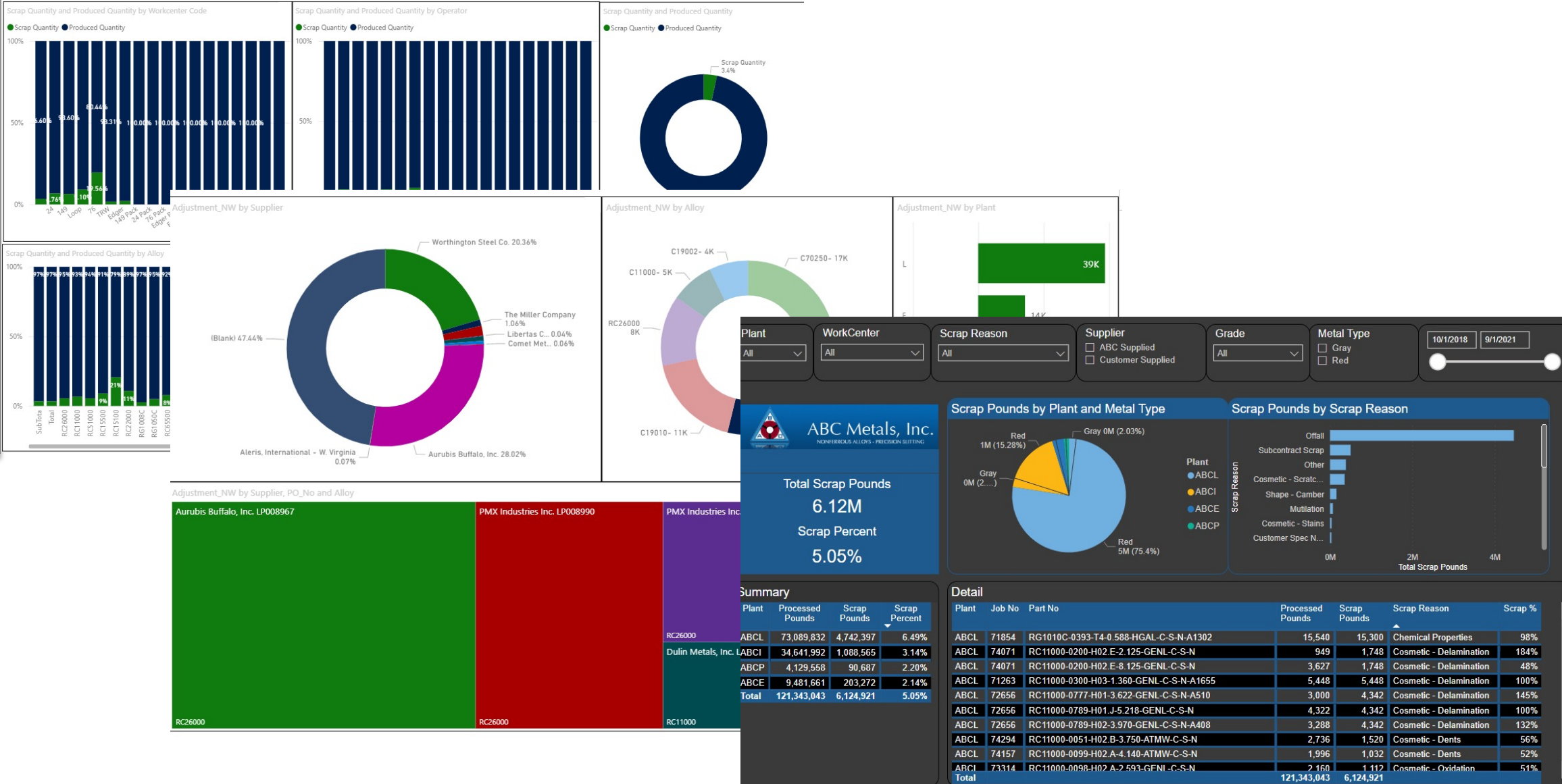
The data model is rarely the same as what someone would do in Excel

- The right model gives great data and great performance
- The right model will provide visuals that people can trust
- The right model will make ongoing improvements easy to do

Any ERP or MES database is relational and not designed for analytics

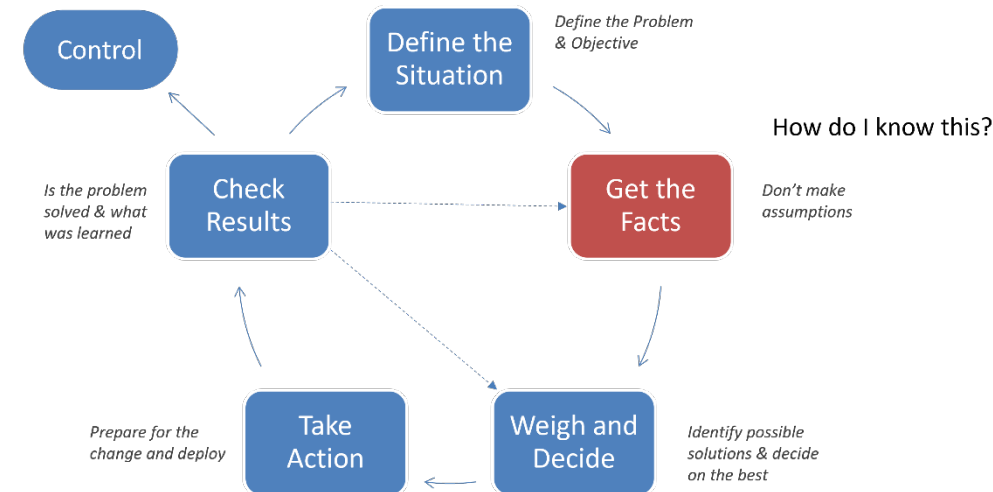
- Any power user in Excel or Power Pivot can build strong models
- The model is not something most end users understand
- Attempting to involve them in the process will totally confuse them

Step 5: Start building prototypes in an Agile fashion

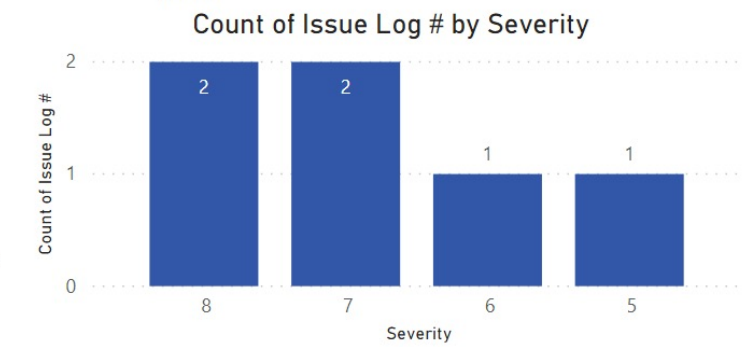
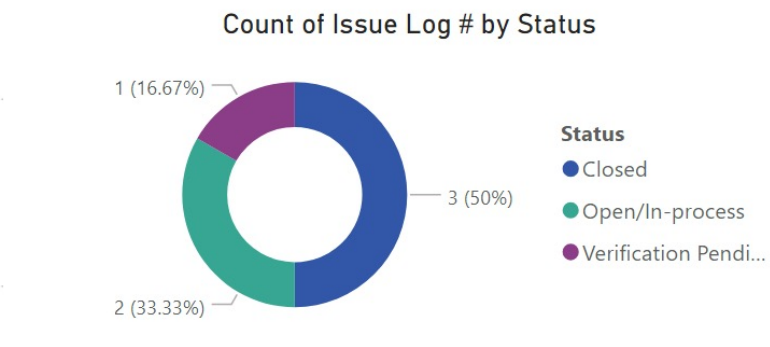
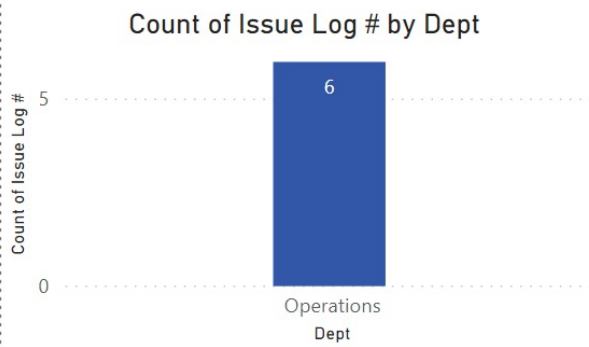
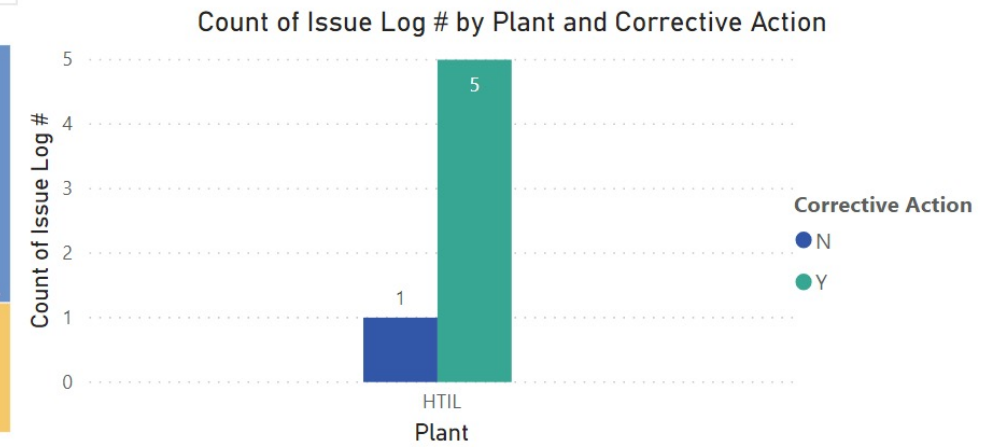
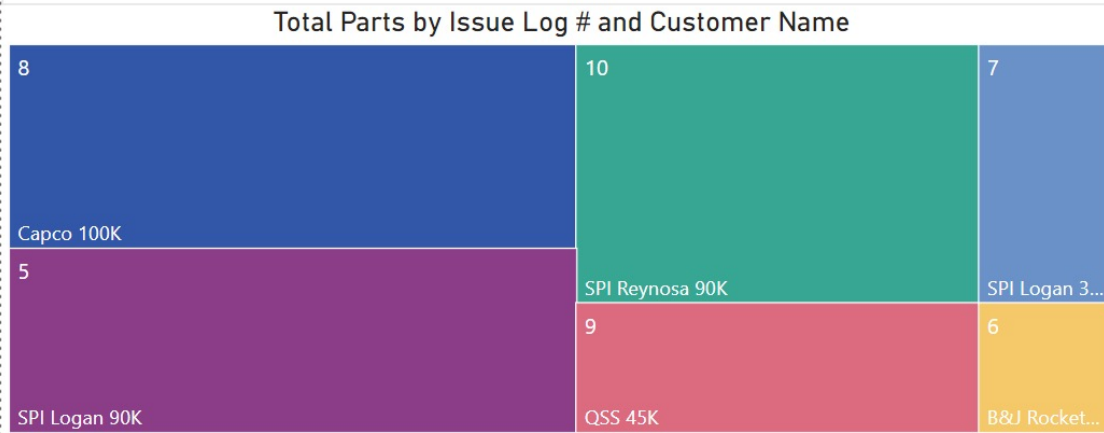
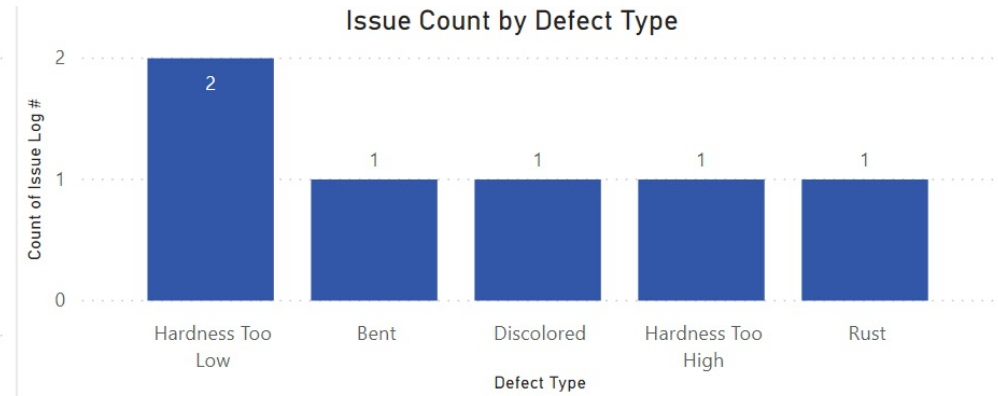
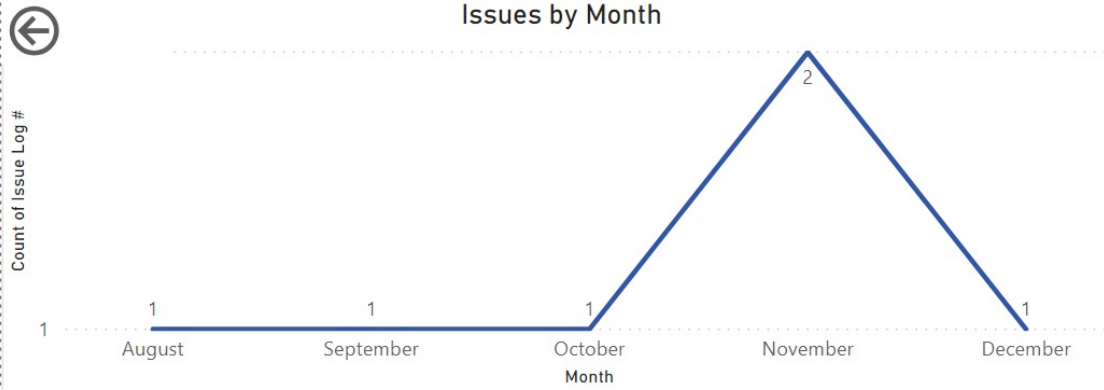


Step 6: Apply 3x5 process for continuous improvement

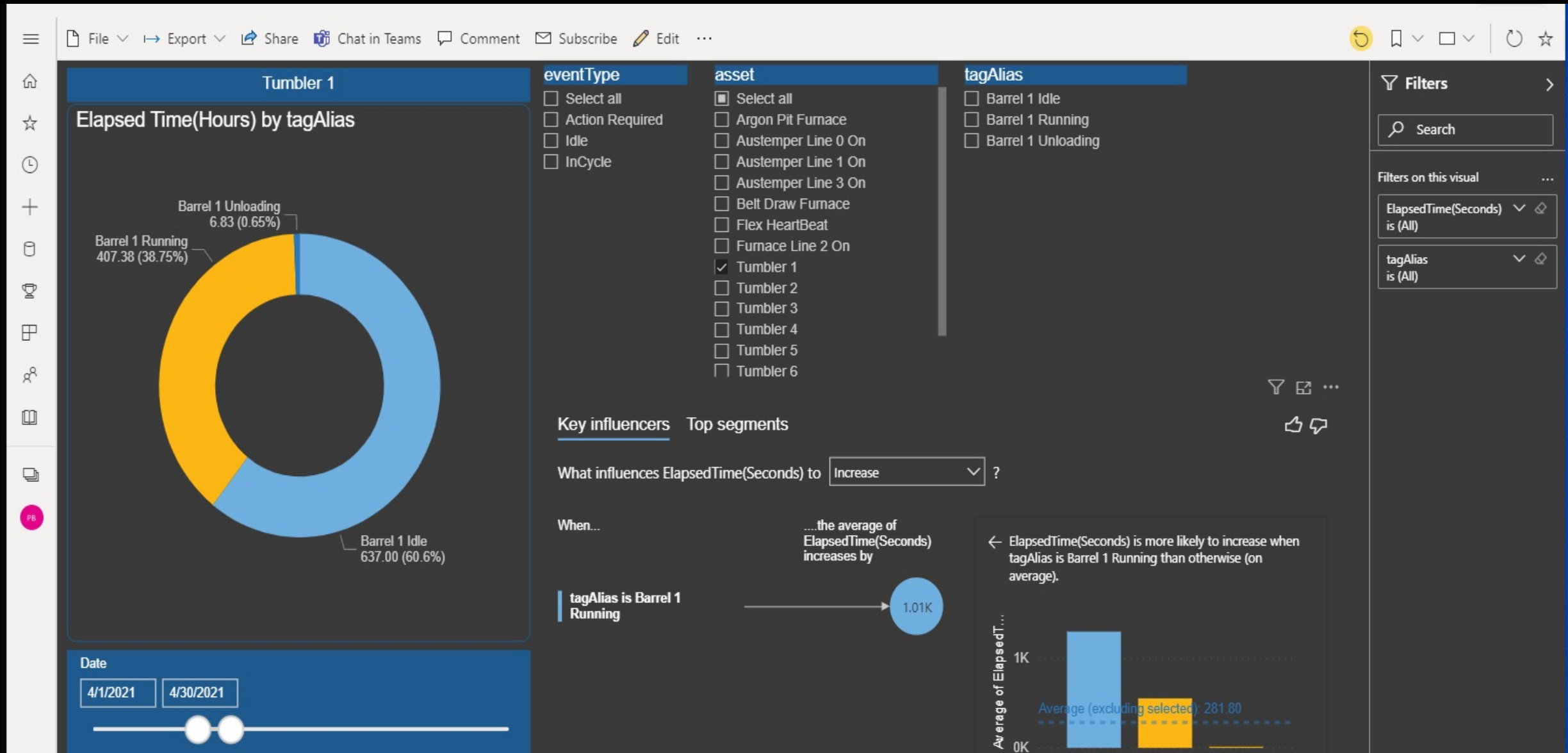
- **A Dashboard project is not done until the user owns it and uses it**
 - Use Power BI Desktop to author and distribute at first
- **After 30 days sit down with user and see what can be improved**
 - Use the 5 step model we discussed earlier
 - Again, always what and why, not how
 - Introduce Key Influencer visualizations to your Dashboard
 - Again, always have a definition of what success looks like
 - At that point, consider whether Power BI Pro might make sense
 - Consider whether other users can benefit for the Dashboard
- **This is the right time to document any specific ROI or benefit**
 - Share that with other users across the company
 - Share that with Level 2 leaders
 - Use the opportunity to create discussions that cross over
 - traditional department boundaries
 - hierarchical relationships between supervisor and staff levels



Quality Dashboard



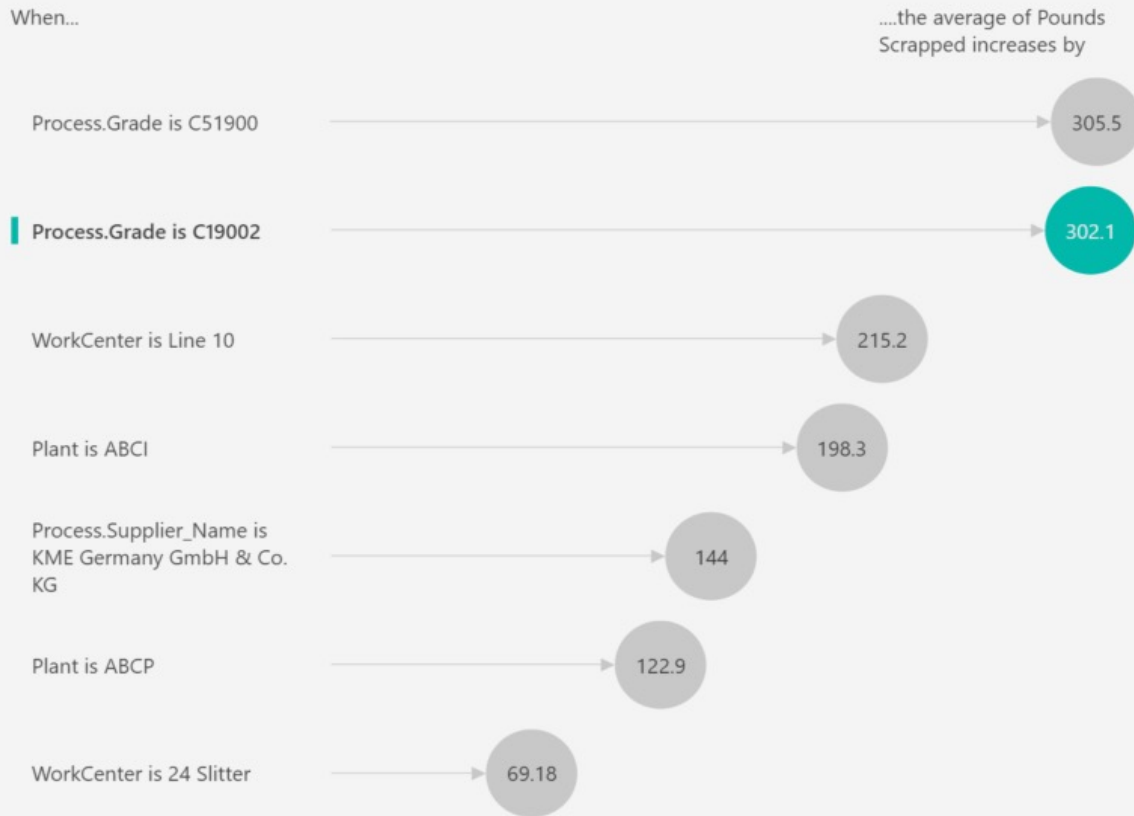
Power BI Dashboard Tumbler 1 from Plex IIoT Exhaust API's



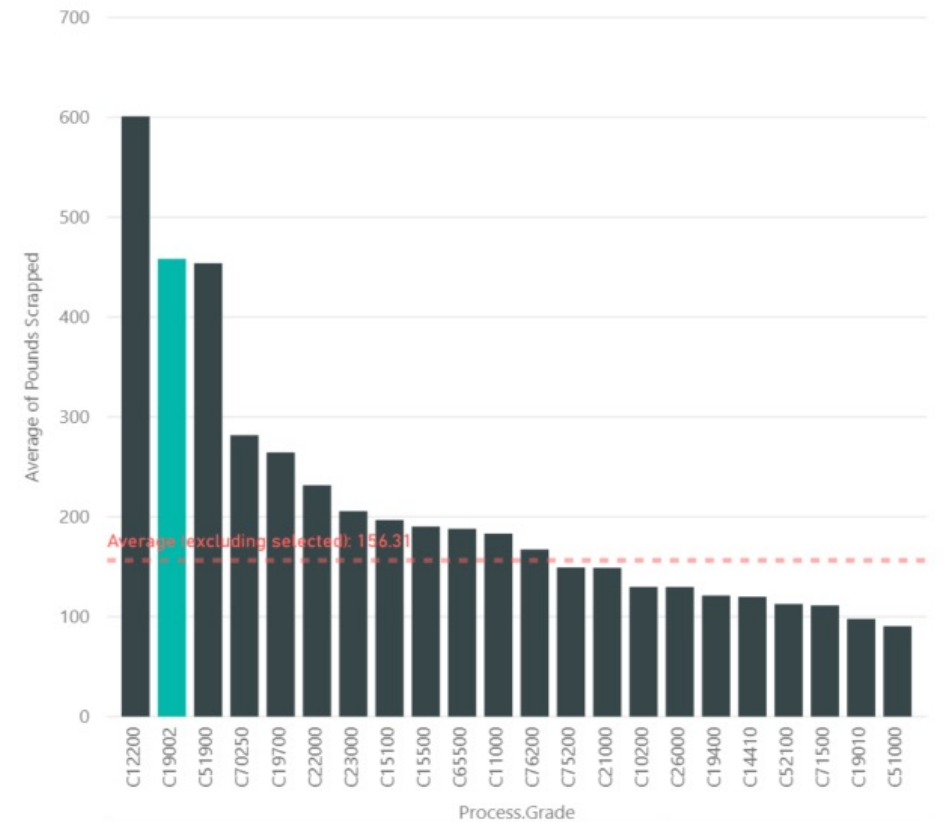
Power BI MPI Scrap Key Influencer Analytics

Key influencers Top segments

What influences Pounds Scrapped to Increase ?



← Pounds Scrapped is more likely to increase when Process.Grade is C19002 than otherwise (on average).



Only show values that are influencers

Power BI Desktop and E-mail Distribution

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Name	Date modified	Type	Size
NewScrapBySN2	6/25/2019 2:22 PM	Microsoft Excel Work...	2,094 KB
Scrap_Jan_Jun	6/10/2019 3:55 PM	Microsoft Excel Work...	3,106 KB
Scrap_YTD	11/1/2019 11:06 AM	Microsoft Excel Work...	5,021 KB
Scrap3	5/22/2019 12:42 PM	Microsoft Excel Work...	124 KB
ScrapJanJulWithDateKey2	7/10/2019 1:14 PM	Microsoft Excel Work...	2,368 KB
ScrapJanJun	7/22/2019 4:27 PM	Microsoft Excel Work...	2,788 KB
SPI Part Segment XRef	4/29/2019 11:56 AM	Microsoft Excel Work...	189 KB
SWC Star Model for Scrap	7/12/2019 9:57 AM	Microsoft Excel Work...	3,233 KB
tblScrapData HTI	2/19/2019 11:13 AM	Microsoft Excel Work...	5,417 KB
tblScrapDataWashers SPI	2/19/2019 11:15 AM	Microsoft Excel Work...	5,246 KB
ABC Inventory Analysis April 30 19	10/21/2020 10:59 AM	Microsoft Power BI D...	2,407 KB
ABC Material Analytics	10/5/2020 2:51 AM	Microsoft Power BI D...	1,357 KB
ABC Material Analytics-SWC Hybrid	7/3/2019 11:39 AM	Microsoft Power BI D...	1,345 KB
ABC Material Analytics-SWC-MSHybrid	7/3/2019 2:53 PM	Microsoft Power BI D...	1,408 KB
ABC Material Yield Analytics V2	5/24/2019 2:29 PM	Microsoft Power BI D...	1,398 KB
ABC Material Yield Analytics	12/10/2020 1:35 PM	Microsoft Power BI D...	957 KB
ABC Yield V 3	6/10/2019 10:20 AM	Microsoft Power BI D...	1,730 KB
ABC Yield V 4	10/21/2020 10:54 AM	Microsoft Power BI D...	1,838 KB
ABCL Margin Analysis	8/16/2019 1:12 PM	Microsoft Power BI D...	771 KB
Cloud Helpdesk Reporting Template v1.0	1/16/2020 1:22 PM	Microsoft Power BI D...	5,116 KB
GrossMarginByInvoicePBI (1)	12/14/2020 3:05 PM	Microsoft Power BI D...	143 KB
KDL Pass 1	5/29/2019 4:57 PM	Microsoft Power BI D...	329 KB
KDL	8/14/2019 5:21 PM	Microsoft Power BI D...	365 KB
New ABC Yield Data Model - Star Schema	7/12/2019 10:29 AM	Microsoft Power BI D...	457 KB
New ABC Yield Data Model	7/10/2019 1:30 PM	Microsoft Power BI D...	1,078 KB
Quality Dashboard Prototype	12/9/2019 12:03 PM	Microsoft Power BI D...	128 KB
SPI Segment Activity Analysis	5/24/2019 12:13 PM	Microsoft Power BI D...	1,293 KB
SPI Washer Fallout Analysis	11/17/2020 12:52 PM	Microsoft Power BI D...	2,418 KB

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Clipboard Basic Text Names Include Tags Voice Sensitivity Immersive Add-in My Templates

To: Robert Bierwagen;

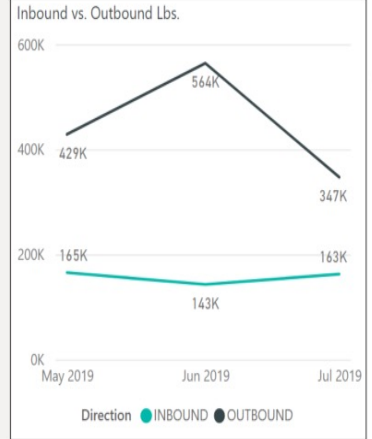
Send Cc

Subject: Emalling-KDL

KDL.pbix 372 KB

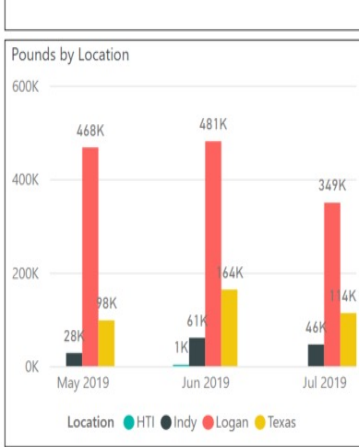
Inbound vs. Outbound Lbs.

Direction	May 2019	June 2019	July 2019
OUTBOUND	428,612	563,812	346,953
INBOUND	165,346	142,793	162,516
Total	593,958	706,605	509,469



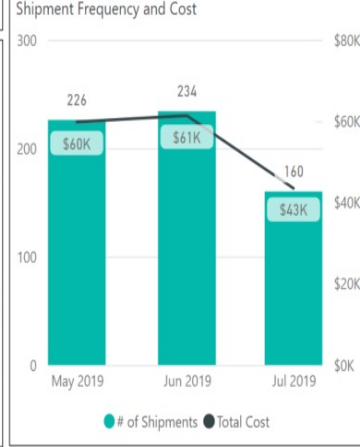
Pounds by Location

Location	May 2019	June 2019	July 2019
HTI		1,229	
Indy	28,163	60,668	46,383
Logan	467,788	480,858	349,457
Texas	98,007	163,850	113,629
Total	593,958	706,605	509,469



Shipment Frequency and Cost

Month	# of Shipments	Total Cost
May 2019	226	\$59,791
June 2019	234	\$61,326
July 2019	160	\$43,433
Total	620	\$164,550



Out of Period

Month	Out of Period	Total Cost
May 2019	78	\$19,774
June 2019	85	\$22,819
July 2019	66	\$17,571
Total	229	\$60,164

0 Mile Shipments

Month	0 Miles
May 2019	11
June 2019	9
July 2019	5
Total	25

Non-ABC Shipments

Month	Non-ABC
June 2019	2
Total	2

- 0 Weight
- Month
 - January
 - February
 - March
 - April
 - May
 - June
 - July

Your message is ready to be sent with the following file or link attachments:

KDL

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.




Power BI Pro and Teams

Search

Teams

Material Yield and Pricing

Plant: All, WorkCenter: All, Scrap Reason: All, Supplier: ABC Supplied, Customer Supplied, Grade: All, Metal Type: Gray, Red, 1/1/2021 - 9/30/2021

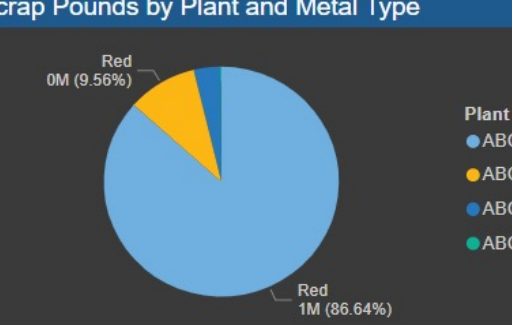


ABC Metals, Inc.
NON-FERROUS ALLOYS - PRECISION SLITTING

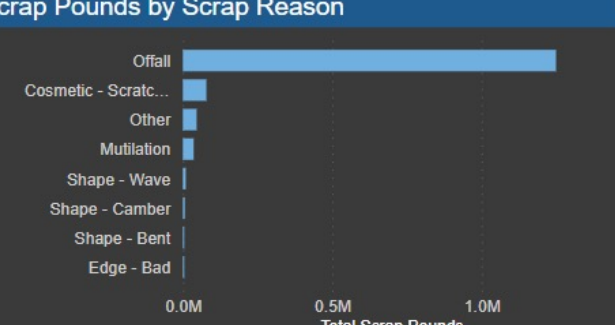
Total Scrap Pounds
1.43M

Scrap Percent
4.72%

Scrap Pounds by Plant and Metal Type



Scrap Pounds by Scrap Reason



Summary

Plant	Processed Pounds	Scrap Pounds	Scrap Percent
ABCL	23,264,592	1,238,262	5.32%
ABCE	1,558,139	52,802	3.39%
ABCI	5,322,582	136,680	2.57%
ABCP	104,721	1,536	1.47%
Total	30,250,034	1,429,280	4.72%

Detail

Plant	Job No	Part No	Processed Pounds	Scrap Pounds	Scrap Reason	Scrap %
ABCL	83638	RC77000-0315-H02-2.900-GENL-C-S-N-A1007	4,816	0	No Scrap	0%
ABCL	83328	RC77000-0160-H08-1.812-GENL-C-S-N-A219	2,016	192	Offall	10%
ABCL	89258	RC77000-0160-H08-1.812-GENL-C-S-N-A219	2,148	210	Offall	10%
ABCL	83328	RC77000-0160-H08-1.610-GENL-C-S-N-A219	1,776	192	Offall	11%
ABCL	83331	RC77000-0160-H08-0.375-GENL-C-S-N-A219	402	0	No Scrap	0%
ABCL	89260	RC77000-0160-H08-0.375-GENL-C-S-N-A219	657	0	No Scrap	0%
ABCI	4802	RC77000-0150-H02-8.000-GENL-CTLx36.000-S-N-A809	3,322	0	No Scrap	0%
ABCL	83462	RC77000-0150-H02-5.937-GENL-C-S-N	47,016	1,736	Offall	4%
ABCL	84542	RC77000-0150-H02-5.838-GENL-C-S-N-A809	175	0	No Scrap	0%
ABCI	82102	RC77000-0150-H02-5.600-GENL-C-S-N-A809	435	0	No Scrap	0%
Total			30,250,034	1,429,280		



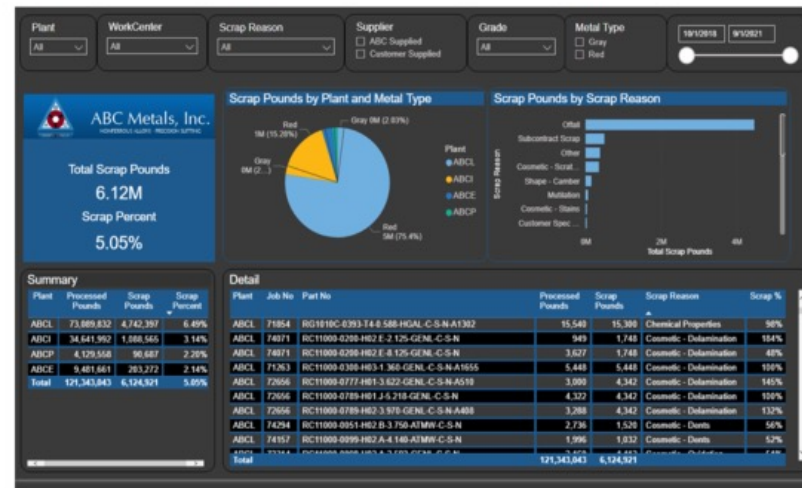
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Power BI

Scrap

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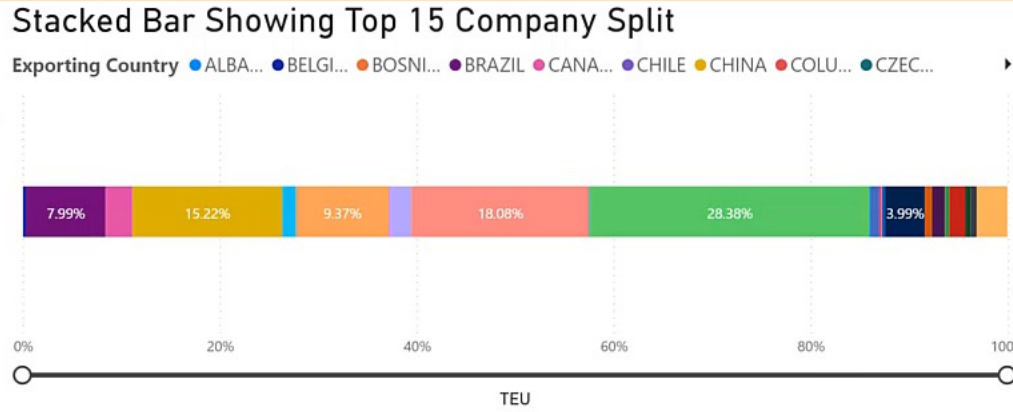


Import Analytics

Steve Dunlop – Purdue DCMME

Left click on any value to filter the entire report. Left click again to undo filter.
Use the buttons on the right to drill through.

246.31K
TEU

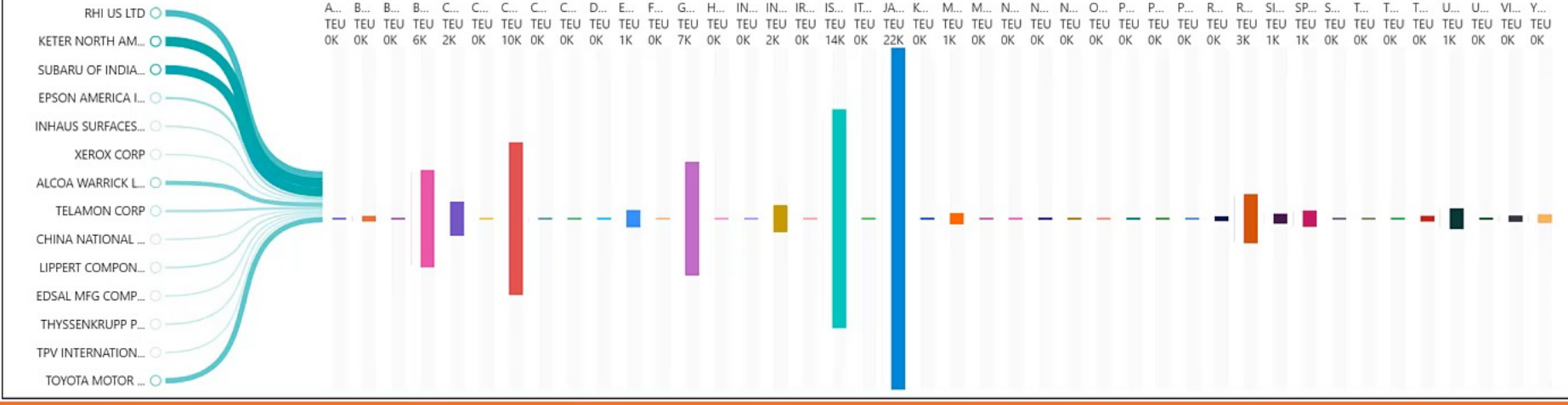


Top HS Codes Imported By Multiple Companies

HS_Code	Count of Consignee_Name
842310	193
392220	123
981800	92
720421	86
940360	78
401693	75

5943
Count of Consignee_Name

Top 15 Companies



Region

WHIN

WHIN-EX

Google County Name

Adams County

Allen County

HS Code

010639

010690

Indiana Competitors

US Competitors

Local Suppliers

Top Shipper_Name

- N/A
- SUBARU CORP
- KETER PLASTIC LTD
- TOYOTA MOTOR CORP
- RHI MAGNESITA GMBH
- TUPY S/A
- WEST FRASER MILLS LTD

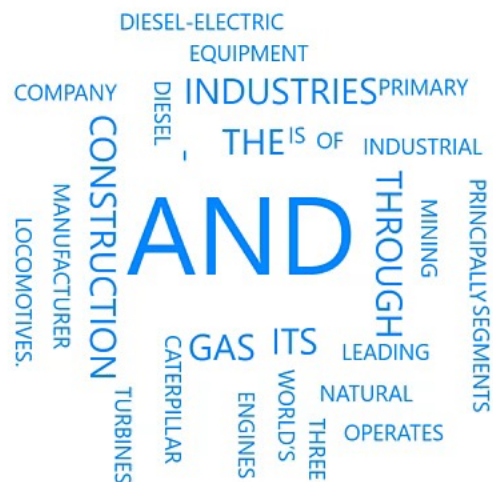
Filters

Visualizations

Fields

Enter Consignee Name & Company Description Keyword

SC Tool Company Description



Exporting Country vs Consignee Name



Local Consignee Name on SC Tool

caterpillar Clear All
 X Caterpillar

Company Description

Search

Consignee_Name	First HS_Code	First Product_Desc	First C
KETER NORTH AMERICA LLC	100620		6345 SCA
SUBARU OF INDIANA AUTOMOTIVE INC			5500 STA
INGREDION INC	170230	- 24 PALLETS GLUCODRY 380 NW 17 950 KGS HS CODE 1702309090 DAP MOORESVILLE HS-CODE 1702309090 	C O PAC US
INGREDION INCORPORATED		- 24 PALLETS GLUCODRY 380 NW 18 000 KGS HS-CODE 1702309090 DAP INDIANAPOLIS 	1515 DR
ARVIN SANGO INC		----- AMCU2601050 DESCRIPTION-----MUFFLER ASSEMBLY EQUIPMENT HS CODE: 8462.29 WAY BILL FREIGHT PREPAID WAY BILL -----GENERIC DESCRIPTION----- 	& SUBSID
FLEXFORM TECHNOLOGIES LLC	270730	----- APHU6298795 DESCRIPTION-----GENERIC DESCRIPTION-----20 PACKAGE OF 1 ROLL OF ABSORBENT MATS (BLUE) INV.: FFK-190516-BLUE-14 HS CODE : 5603.94	4955 BEC 295 3777

“Our” Power BI User Group

- Become a Community Member then a Group Member
 - Central Indiana Power Platform User Group
 - https://community.powerbi.com/t5/Central-Indiana-Power-Platform/gh-p/pbi_centralIndiana_usergroup
- Share Contact Info with other Power BI Members?

Open Discussion and Next Steps

- Comments from participants and discuss tweaks based on feedback
- Next Meeting?

**POWER BI USER GROUP
SESSION 2
THE END**

