



Journey to a Smarter Supply Chain

with Sean Mancini – Director of Digital Supply Chain Analytics

ERNEST JONES

H.SAMUEL

JAMES ALLEN*

JARED

KAY

FRANCESCO
Pagoda

PEOPLES

rocksbox

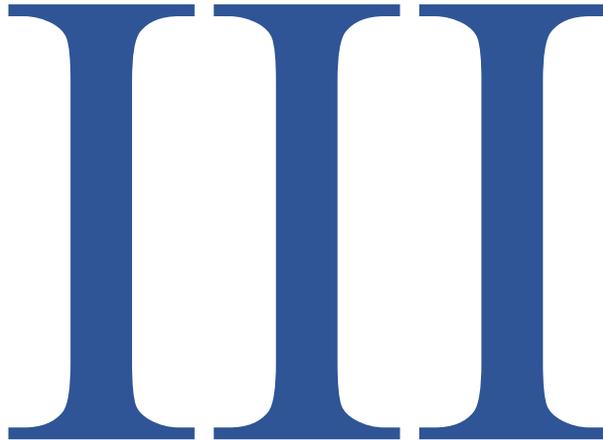
ZALES

SIGNET
JEWELERS

III

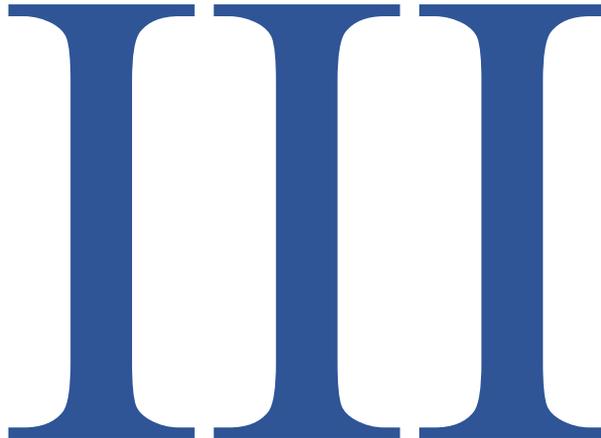
In Analytics

3 is the smallest number
required to create a pattern



In Analytics

3 is the smallest number
required to create a pattern



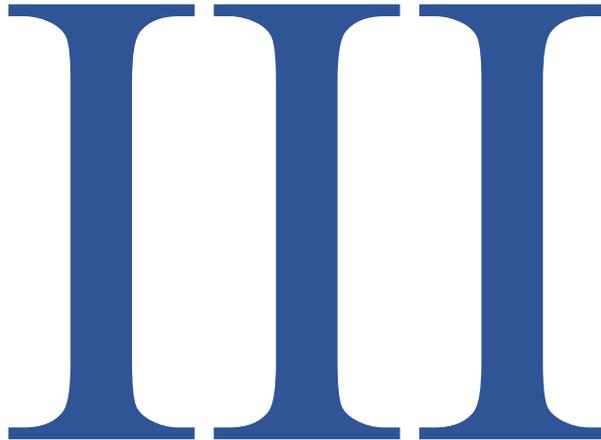
In Physics

3 classical states of matter (solid,
liquid, gas)

Newton's 3 Laws of Motion

In Analytics

3 is the smallest number
required to create a pattern



In Physics

3 classical states of matter (solid,
liquid, gas)

Newton's 3 Laws of Motion

In Communication & Reference

"A,B,C"

"3 Little Pigs"

"Snap, Crackle, Pop!"

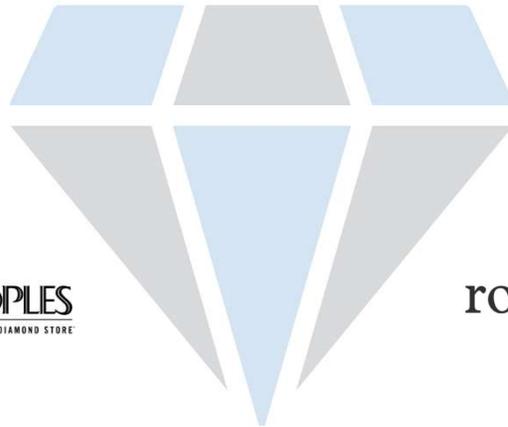


Largest retailer of diamond jewelry





Largest retailer of diamond jewelry

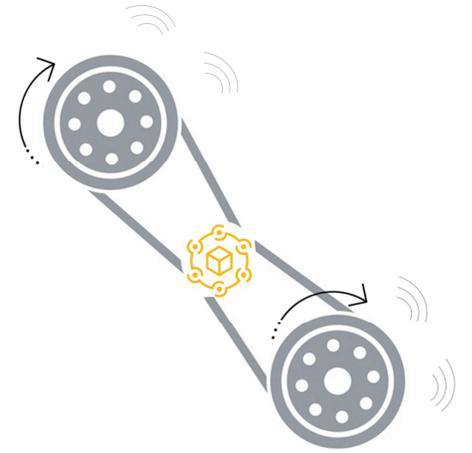


Logic will get you from A to B.

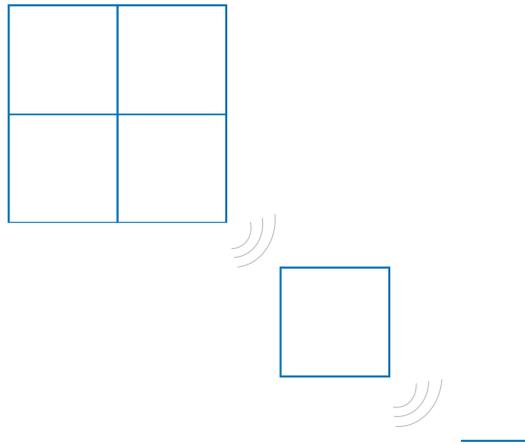
Imagination will take you everywhere.

- Albert Einstein

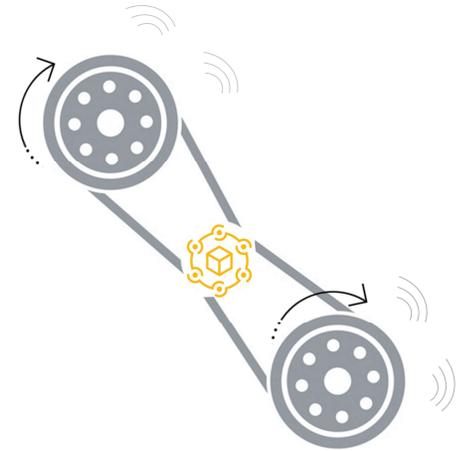
Analytic Flywheel



First Principles



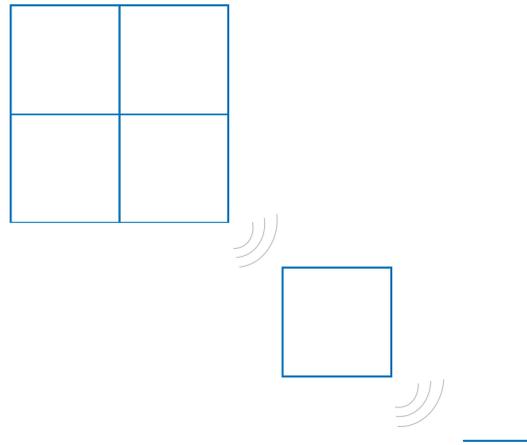
Analytic Flywheel



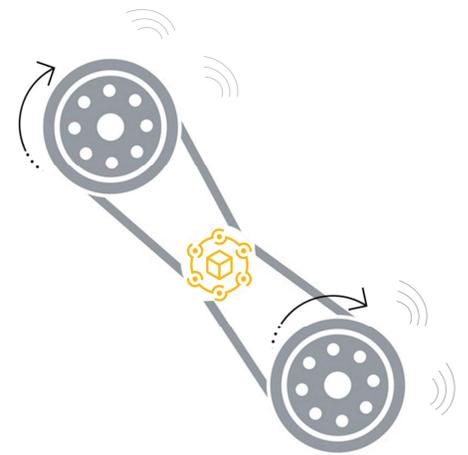
Supply Chain



First Principles



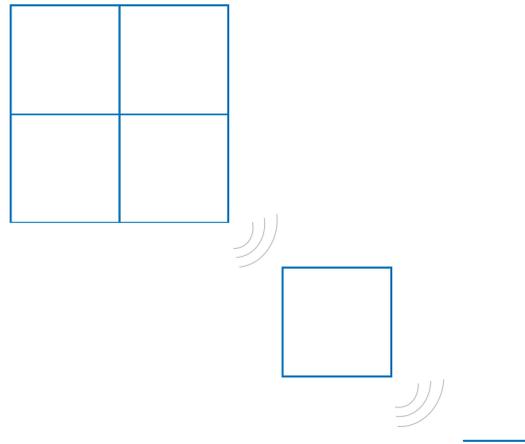
Analytic Flywheel



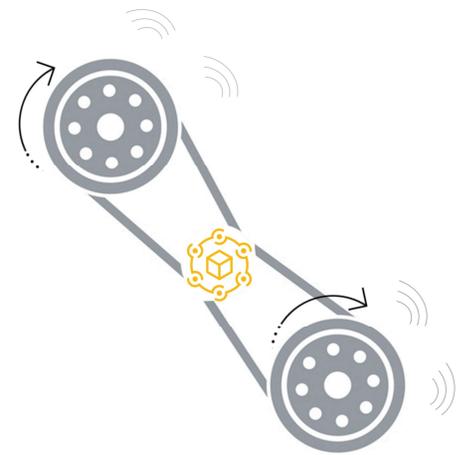
Supply Chain



First Principles



Analytic Flywheel



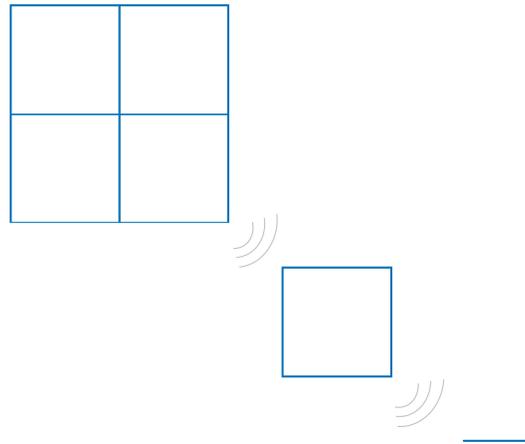
FIRST PRINCIPLE #1

We sell individual merchandise (SKUs) in our brick & mortar and eCommerce sites

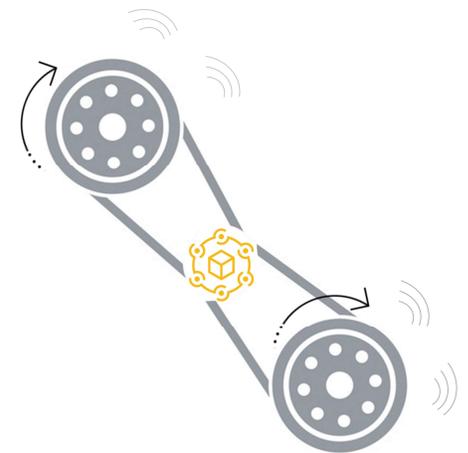
Supply Chain



First Principles



Analytic Flywheel

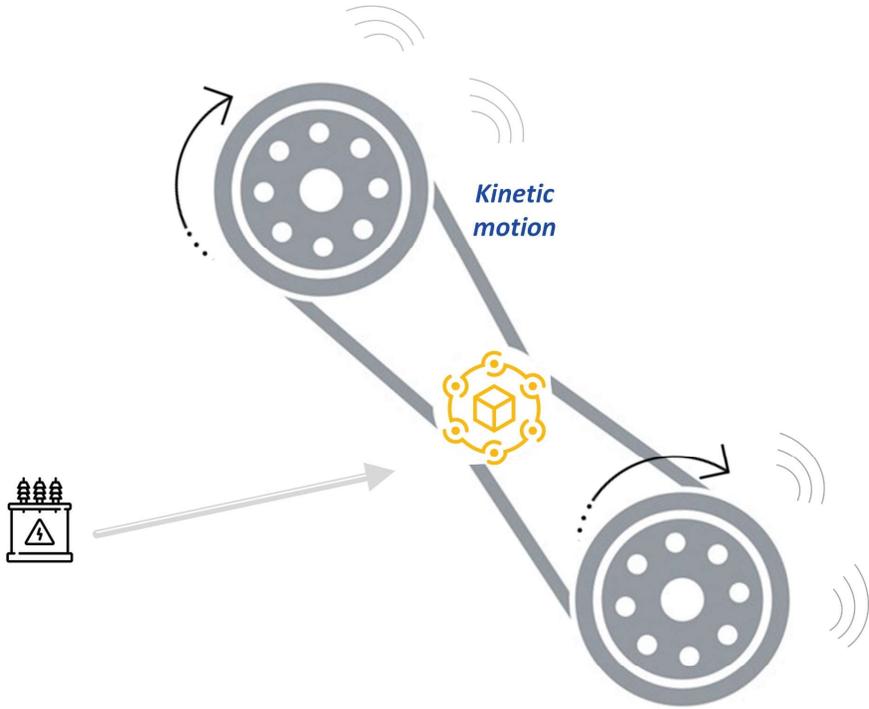


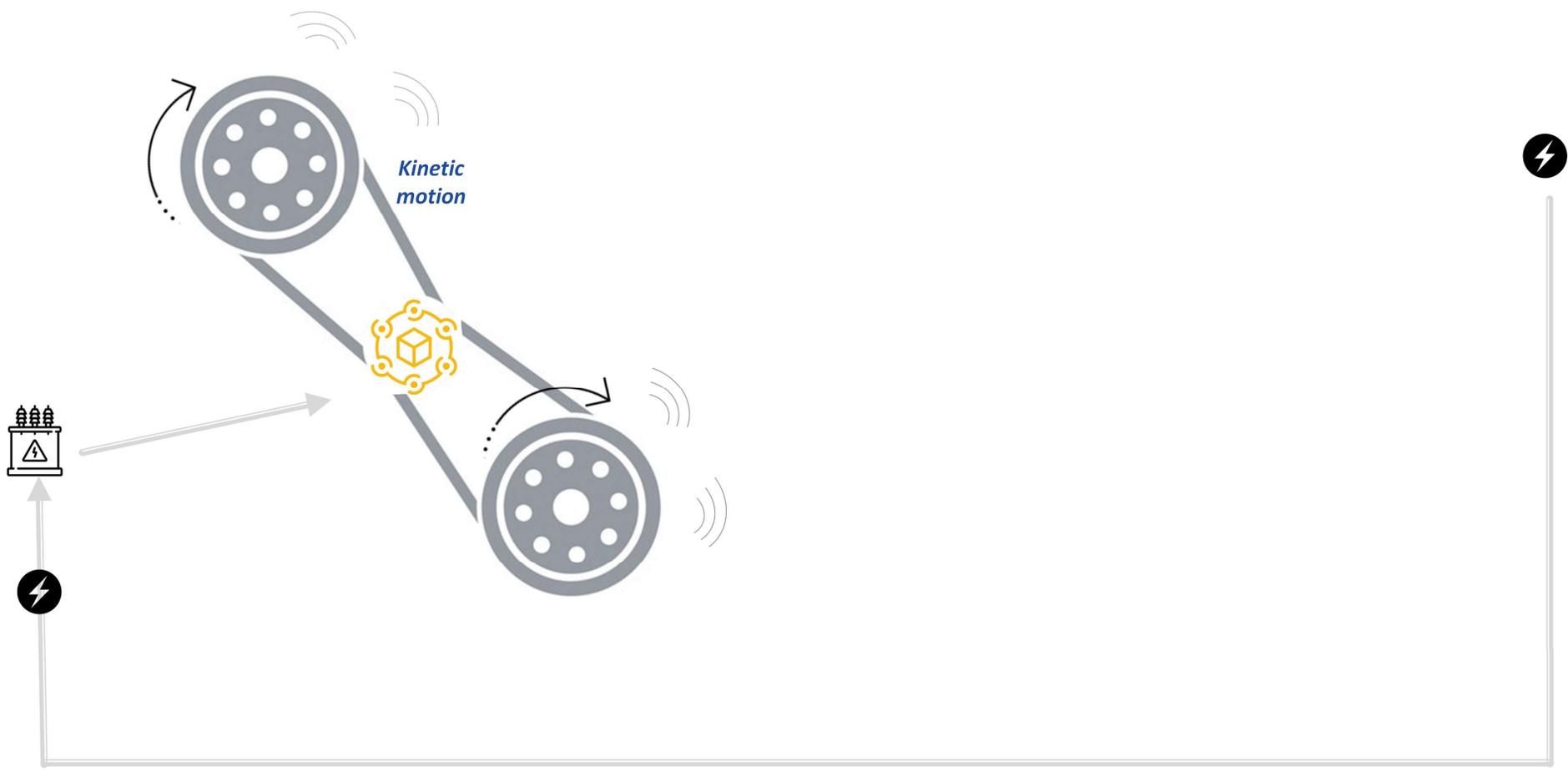
FIRST PRINCIPLE #1

We sell individual merchandise (SKUs) in our brick & mortar and eCommerce sites

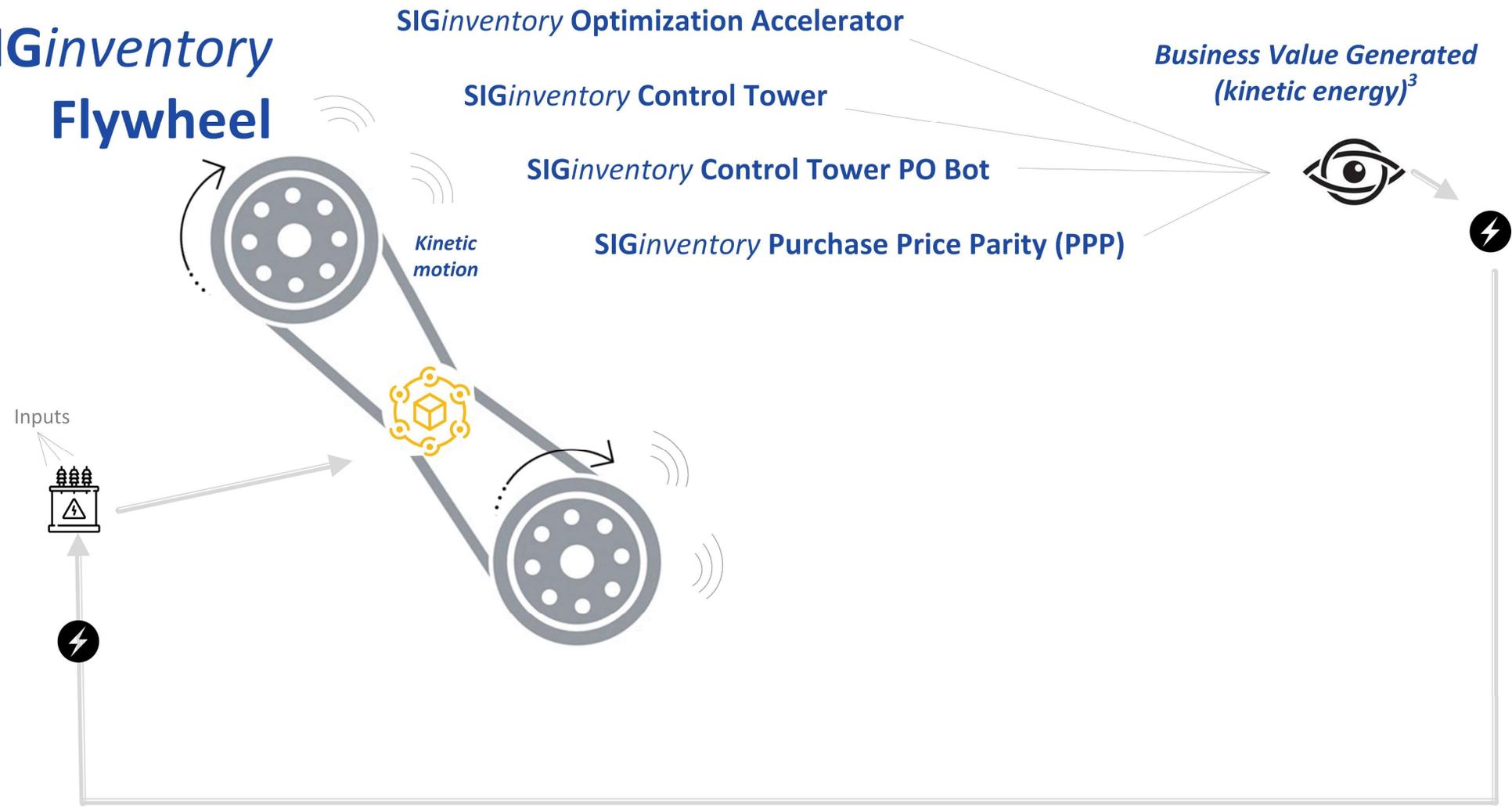
FIRST PRINCIPLE #2

We buy individual SKUs from vendors





SIGinventory Flywheel



SIGinventory Flywheel

SIGinventory Optimization Accelerator

SIGinventory Control Tower

SIGinventory Control Tower PO Bot

SIGinventory Purchase Price Parity (PPP)

Business Value Generated
(kinetic energy)³

Kinetic motion

Inputs

SIGvendor 360 Internal Hub

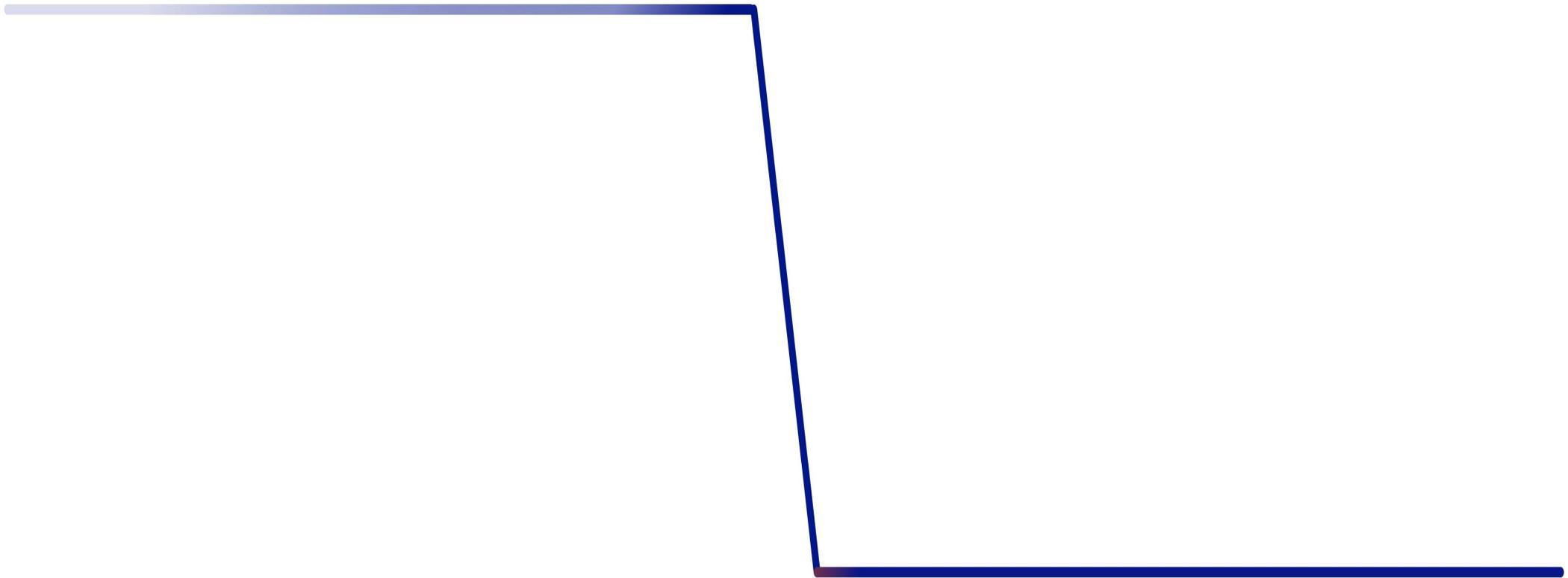
SIGvendor 360 Scorecard

SIGvendor 360 Corrective Actions

SIGvendor 360 Flywheel

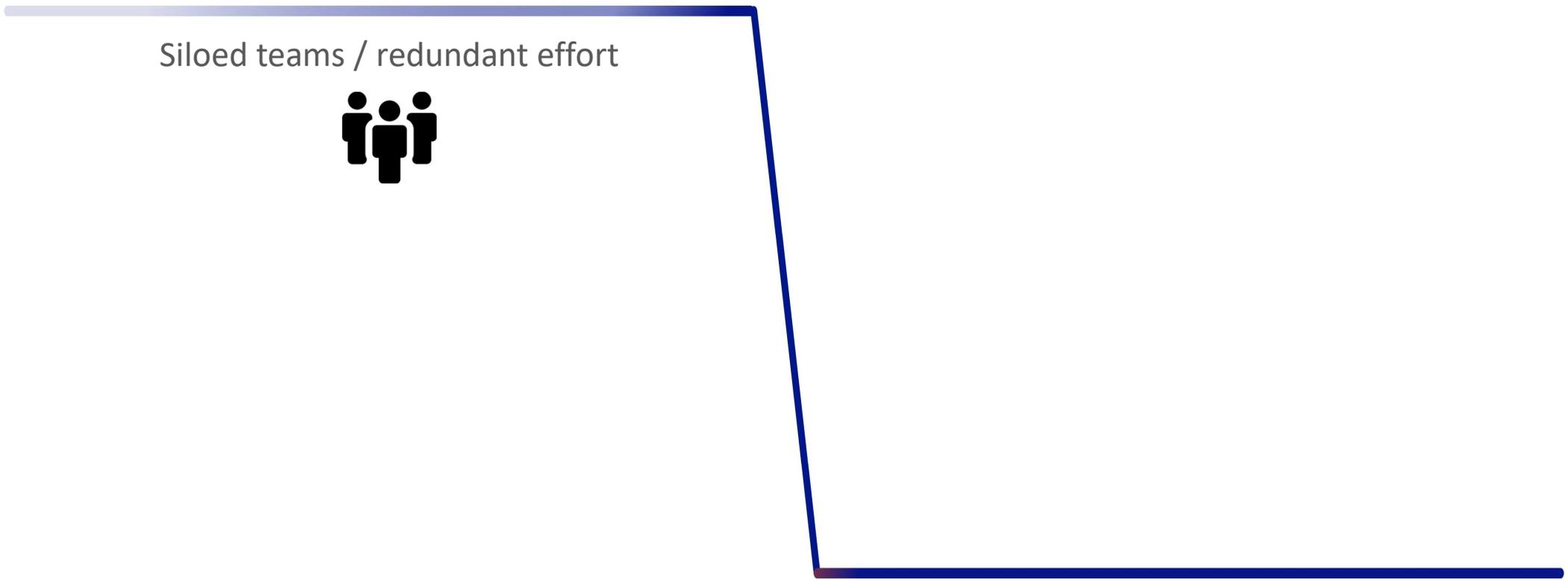


Before



Before

Siloed teams / redundant effort



Before

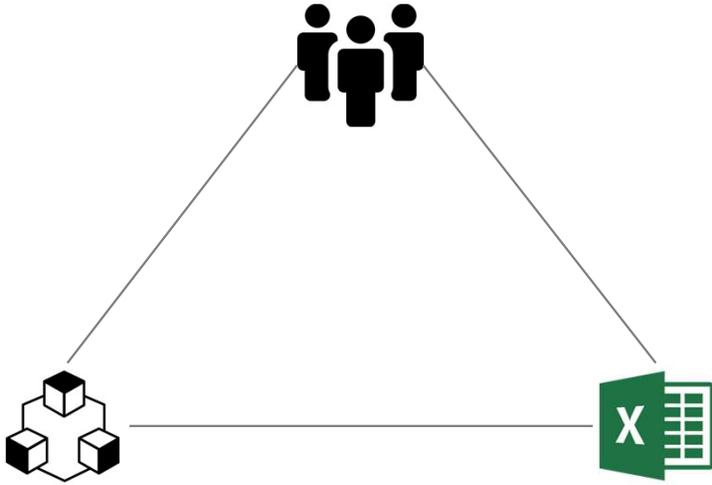
Siloed teams / redundant effort



Disparate systems / manual processes

Before

Siloed teams / redundant effort



Disparate systems / manual processes

Before

Siloed teams / redundant effort



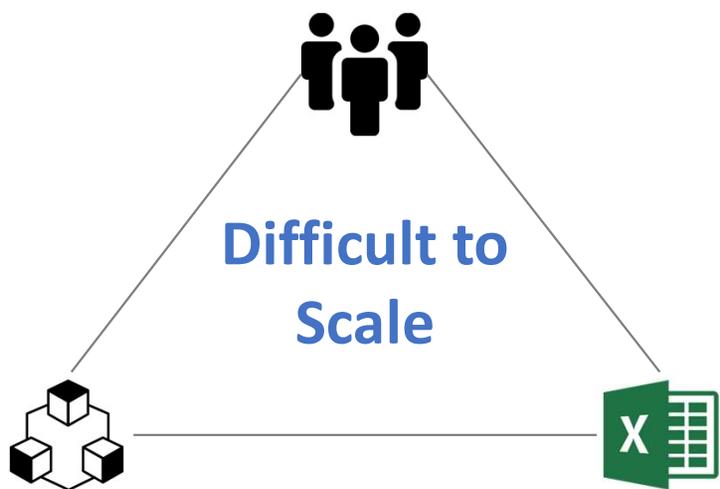
**Difficult to
Scale**



Disparate systems / manual processes

Before

Siloed teams / redundant effort



Disparate systems / manual processes

Connected teams



With SIG*vendor* 360 Flywheel

Before

Siloed teams / redundant effort



Difficult to Scale



Disparate systems / manual processes

Connected teams



Disparate systems persist BUT are **blended** through automation

With SIGvendor 360 Flywheel

Before

Siloed teams / redundant effort



Difficult to Scale



Disparate systems / manual processes

Connected teams



Highly Scalable



Disparate systems persist BUT are **blended** through automation

With SIGvendor 360 Flywheel

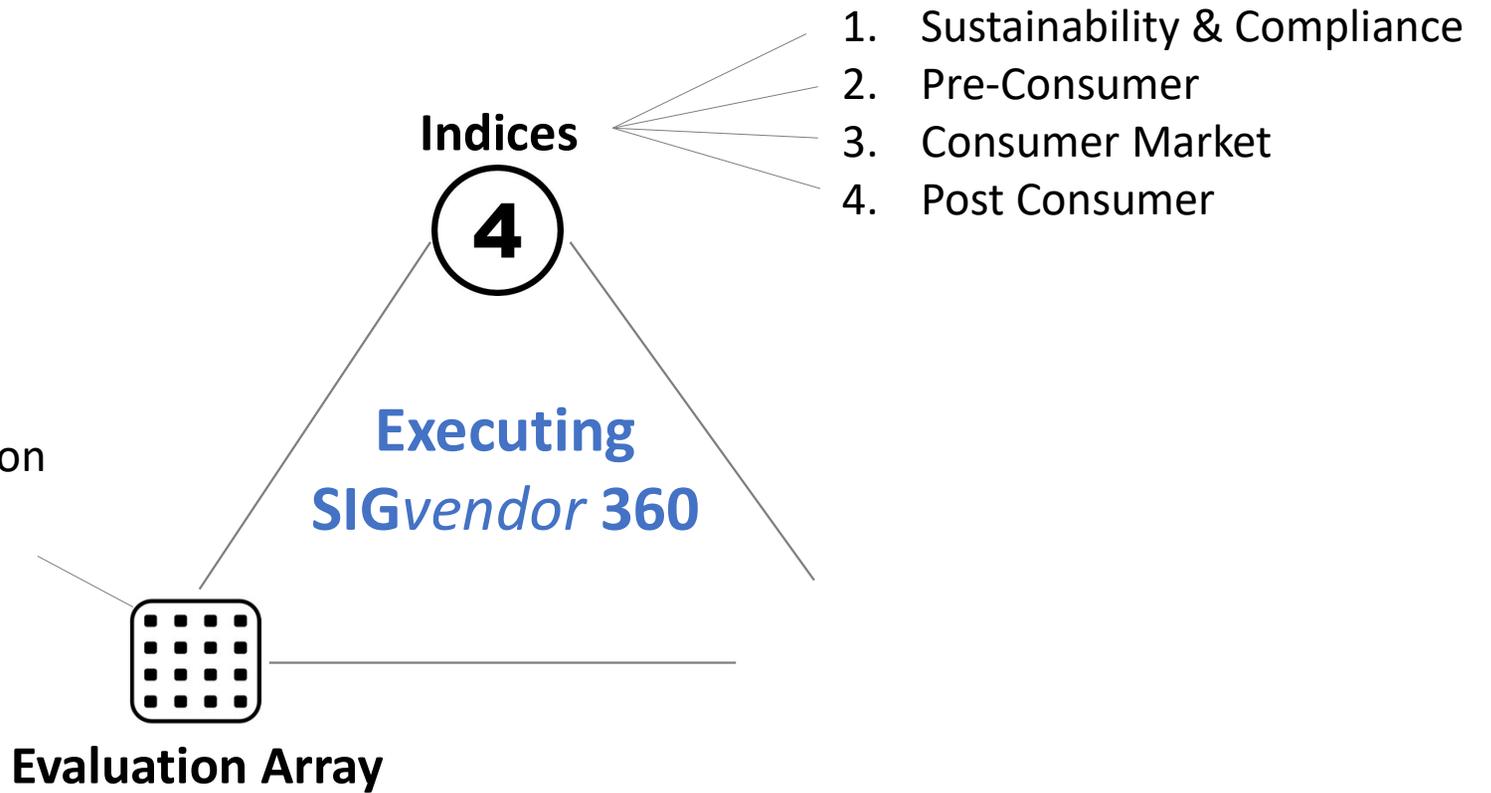
Indices

4

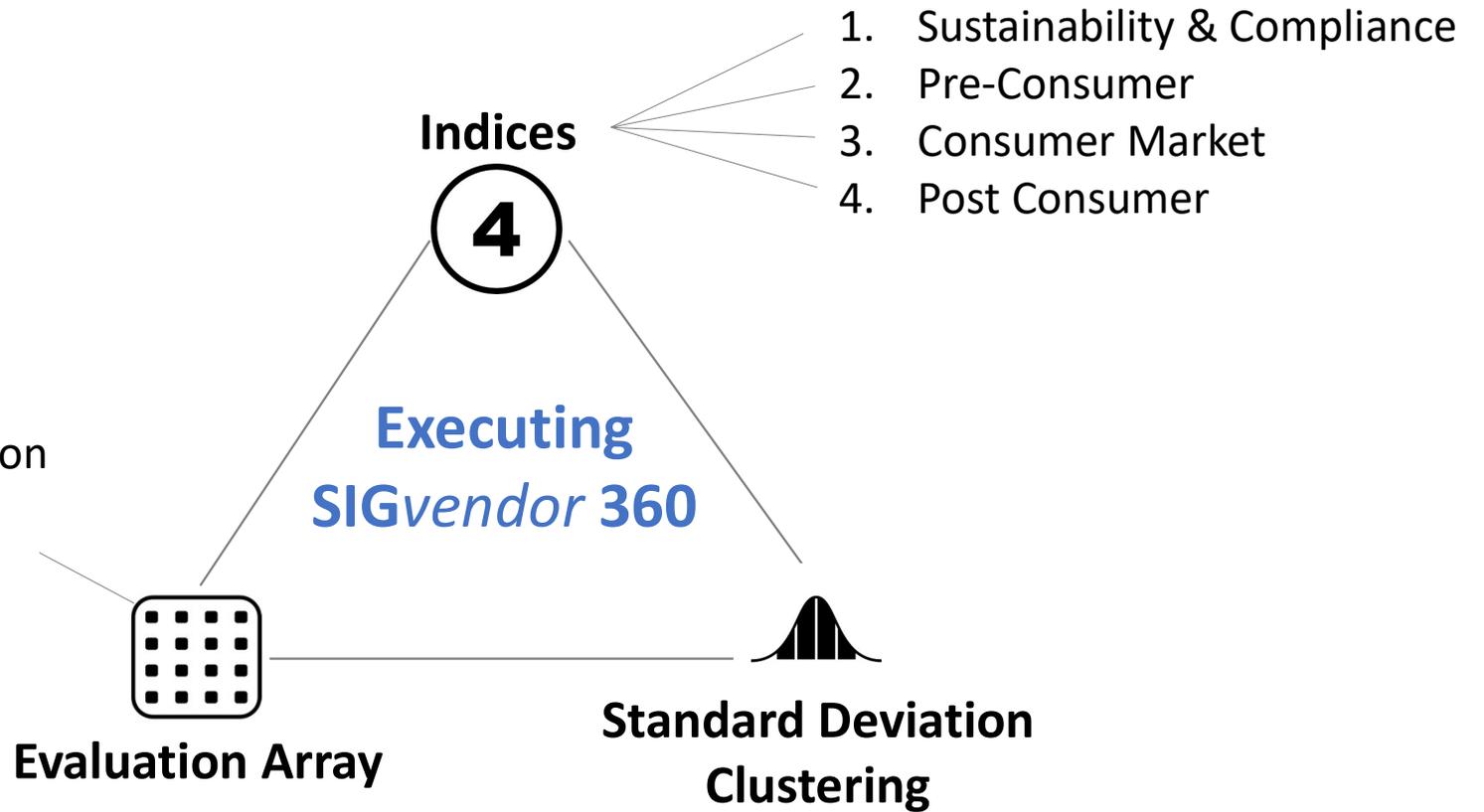
1. Sustainability & Compliance
2. Pre-Consumer
3. Consumer Market
4. Post Consumer

**Executing
SIG*vendor* 360**

1. QC Defects
2. Deliveries Delayed
3. Merchandise Stagnation
4. Customer Repairs



1. QC Defects
2. Deliveries Delayed
3. Merchandise Stagnation
4. Customer Repairs



Alteryx



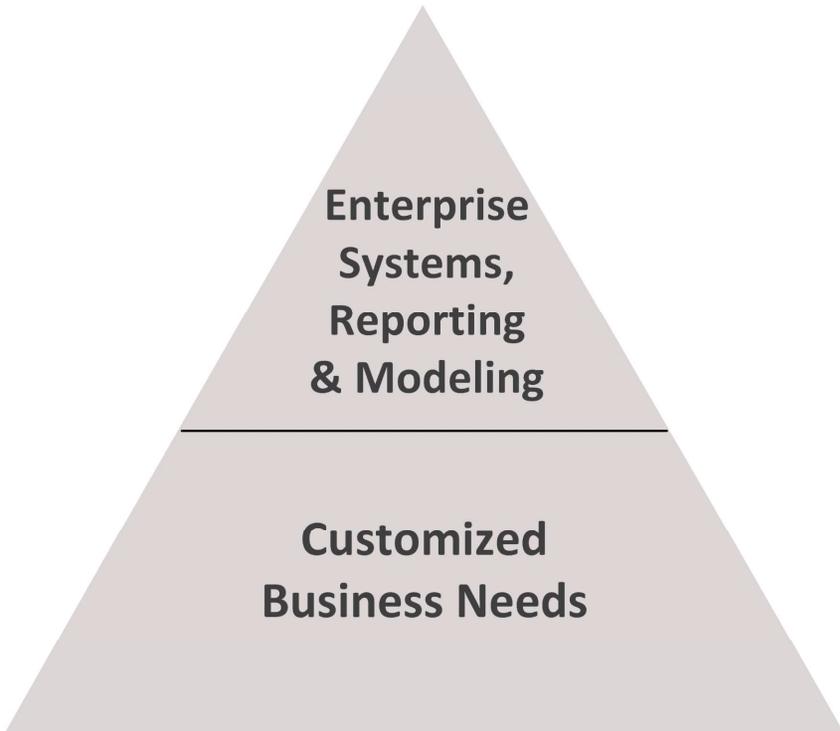
Executing
*SIG*vendor 360



Tableau



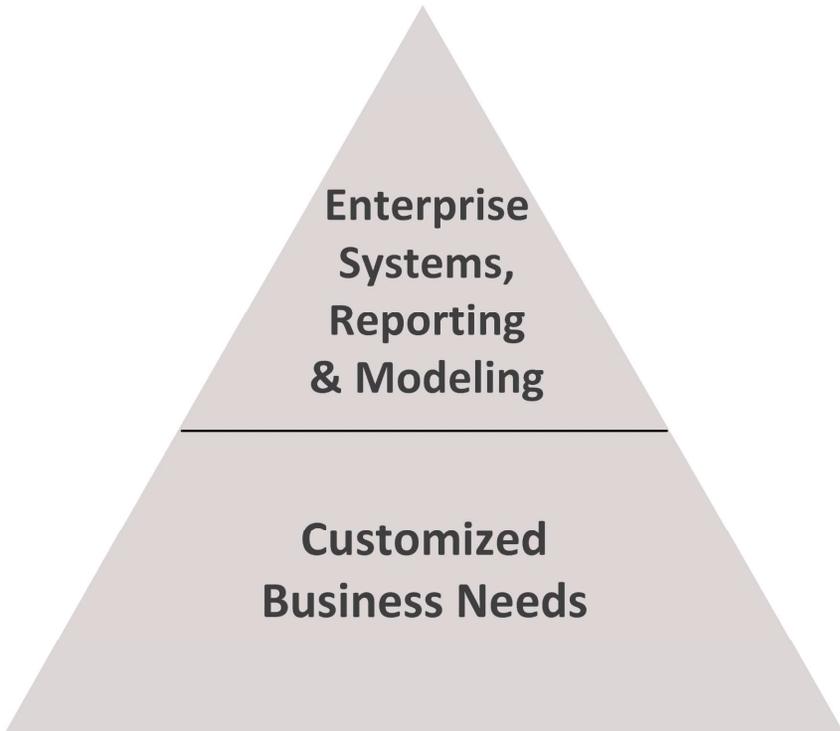
SharePoint



**Enterprise
Systems,
Reporting
& Modeling**

**Customized
Business Needs**

Consume **a** *Share*
Analyze



**Enterprise
Systems,
Reporting
& Modeling**

**Customized
Business Needs**

Consume **a** *Share*
Analyze

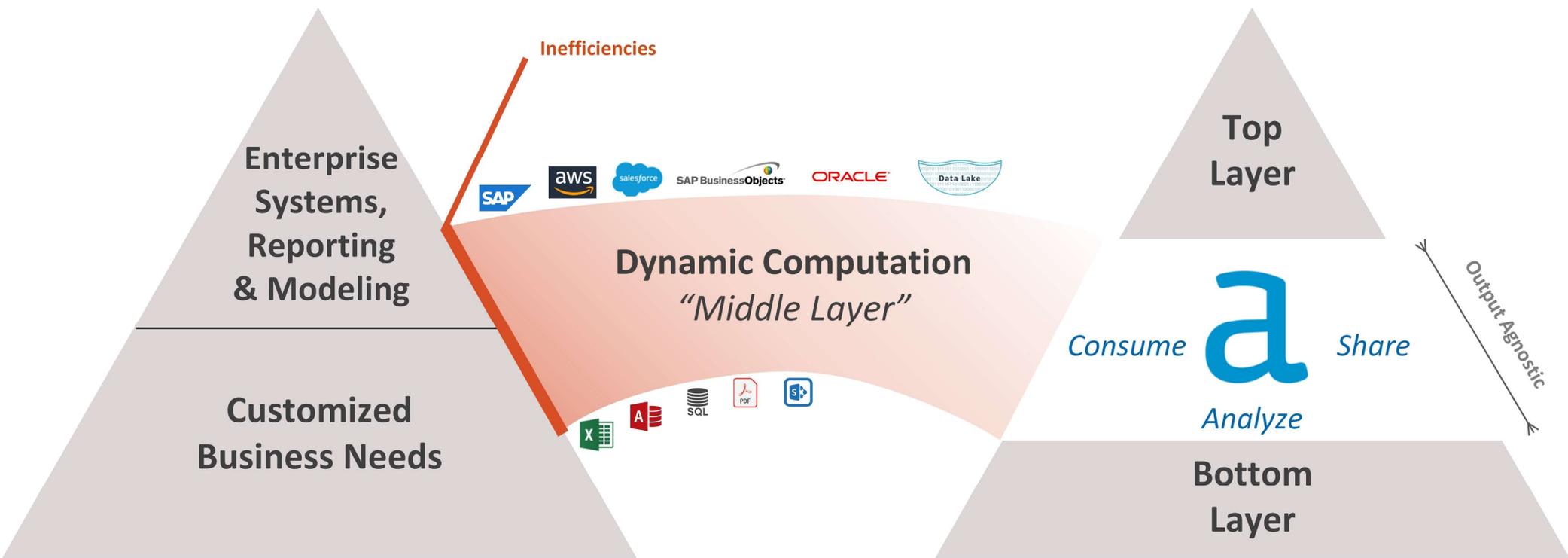
Enterprise
Systems,
Reporting
& Modeling

Customized
Business Needs

Inefficiencies



Consume **a** Share
Analyze



Enterprise Systems, Reporting & Modeling

Customized Business Needs

Inefficiencies

SAP AWS Salesforce SAP BusinessObjects ORACLE Data Lake

Dynamic Computation "Middle Layer"

X A SQL PDF S

Top Layer

Bottom Layer

a

Consume

Share

Analyze

Output Agnostic



**SIG*vendor* 360
& Tableau**

**Discoverable and
Static Insight**



**SIG*vendor* 360
& Tableau**



**Discoverable and
Static Insight**



**SIG*vendor* 360
& Tableau**



Scalable

**Discoverable and
Static Insight**



**SIG*vendor* 360
& Tableau**



Scalable



Perspectives

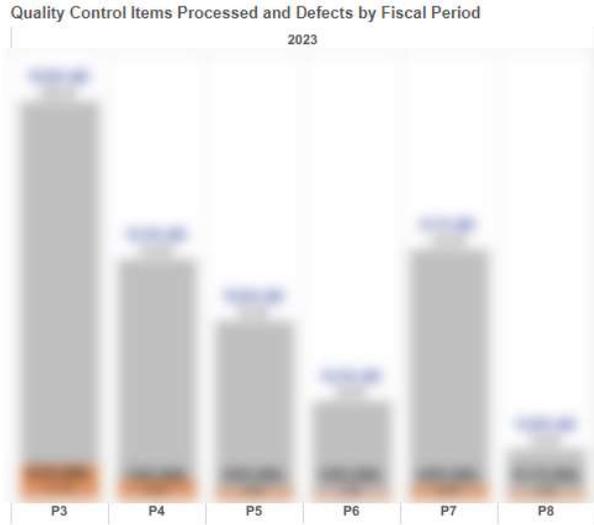
SIGvendor 360: Quality Control Vendor Defects

SIGQuality Splash

total quantities received into the DC during last 180 days

items processed and reviewed through Quality Control

defect ratio via total defects identified through the QC process



Quality Control Vendor SIGQuality Score

SIGvendor 360 Score

Vendor Family Global Filter	Received	Quality Control	Total Defects	Defect Rate	SIGvendor 360 Score
Vendor A	100	80	5	5%	95
Vendor B	200	150	10	5%	90
Vendor C	150	100	8	5.3%	85
Vendor D	300	200	15	5%	80
Vendor E	100	70	4	4.7%	75
Vendor F	250	180	12	5.3%	70
Vendor G	180	120	9	5%	65
Vendor H	120	80	6	5%	60
Vendor I	220	160	11	5%	55
Vendor J	160	110	7	4.5%	50
Vendor K	140	100	8	5.7%	45
Vendor L	110	80	6	5.5%	40
Vendor M	130	90	7	5.4%	35
Vendor N	170	130	9	5.3%	30
Vendor O	190	140	10	5.3%	25
Vendor P	150	110	8	5.5%	20
Vendor Q	120	90	7	5.8%	15
Vendor R	100	70	6	6%	10
Vendor S	180	130	10	5.6%	5
Vendor T	160	120	9	5.6%	0

Vendor Family

QC Date Range
 3/28/2022 9/2/2022

Date range filter dynamically updates all visuals except for the SIGQuality vendor scores.

QC Defect Reasons

Defect Type

Defect Type	Count
Defect Type 1	10
Defect Type 2	8
Defect Type 3	12
Defect Type 4	5
Defect Type 5	7
Defect Type 6	9
Defect Type 7	6
Defect Type 8	11
Defect Type 9	4
Defect Type 10	13
Defect Type 11	3
Defect Type 12	14
Defect Type 13	2
Defect Type 14	15
Defect Type 15	1

Defect Ratios by SKU

SKU	SKU Description	Sub-Folio	Vendor Family	Defect Ratio
SKU 001	SKU Description 001	Sub-Folio 001	Vendor Family 001	5%
SKU 002	SKU Description 002	Sub-Folio 002	Vendor Family 002	6%
SKU 003	SKU Description 003	Sub-Folio 003	Vendor Family 003	4%
SKU 004	SKU Description 004	Sub-Folio 004	Vendor Family 004	7%
SKU 005	SKU Description 005	Sub-Folio 005	Vendor Family 005	3%
SKU 006	SKU Description 006	Sub-Folio 006	Vendor Family 006	8%
SKU 007	SKU Description 007	Sub-Folio 007	Vendor Family 007	2%
SKU 008	SKU Description 008	Sub-Folio 008	Vendor Family 008	9%
SKU 009	SKU Description 009	Sub-Folio 009	Vendor Family 009	1%
SKU 010	SKU Description 010	Sub-Folio 010	Vendor Family 010	10%

Defect Count by Vendor

**SharePoint
Lists**



**SIG*vendor* 360
& SharePoint**

**SharePoint
Lists**



**SIG*vendor* 360
& SharePoint**



Process Automation

**SharePoint
Lists**



**SIGvendor 360
& SharePoint**



Process Automation

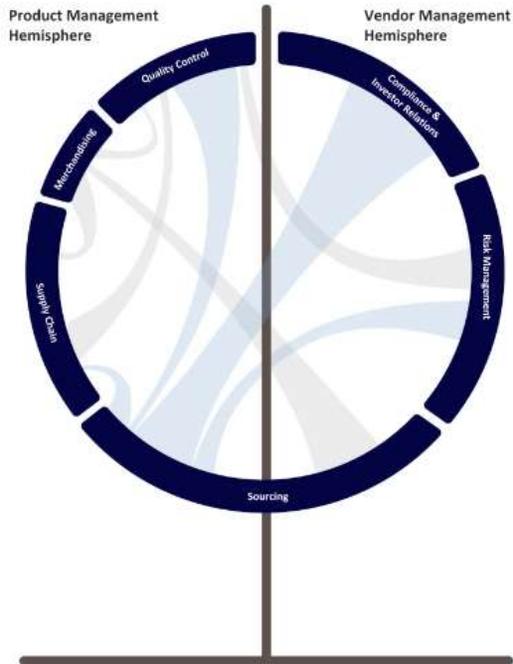


Scalable

SIGVendor360 Portal

+ New ⚙ Page details 📊 Analytics

SIGVendor Master Vendor...



SIGVendor 360 Vendor Management

approach to building an ecosystem-managed cross-functionally for bringing vendor insight and action within the reach of Signet.

Master Vendor Enabler

SIGVendor360 Vendor

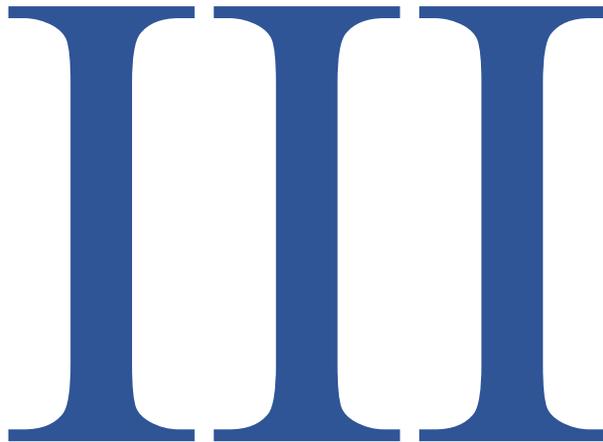
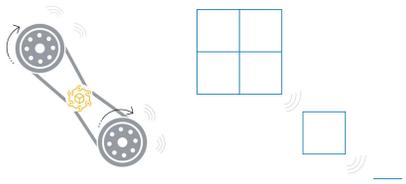
SIGVendor360 Executive

Vendor Action

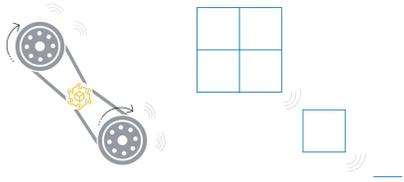
Generate VBA

III

Mindset



Mindset



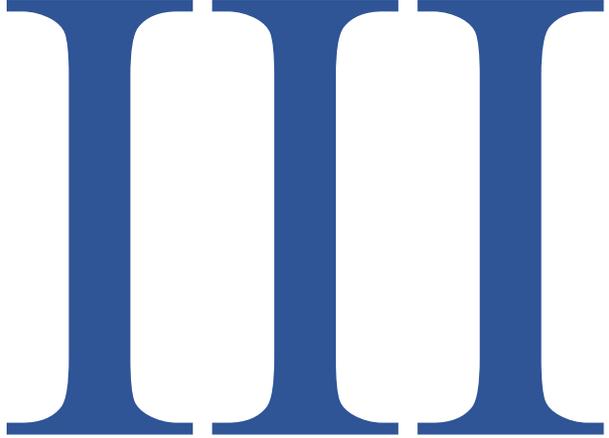
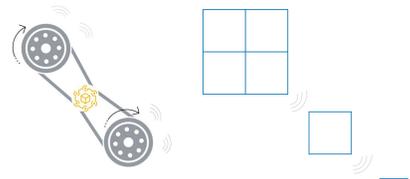
III

Toolset



Imagination

Mindset

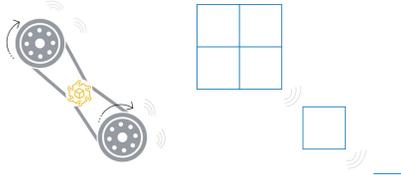


Toolset

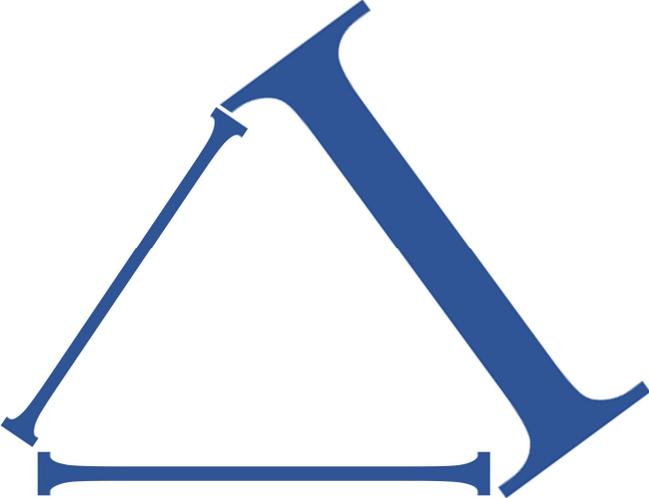


Imagination

Mindset



Toolset



Let's collaborate on Analytics Everywhere
Connect with me on LinkedIn



<https://www.linkedin.com/in/sean-mancini/>