

March 2015

# ***VPM & IBAT***

***(Decision Support Tools that Bridge PM, Manuf. Operations, Supply Chain)***

# Memory Lane

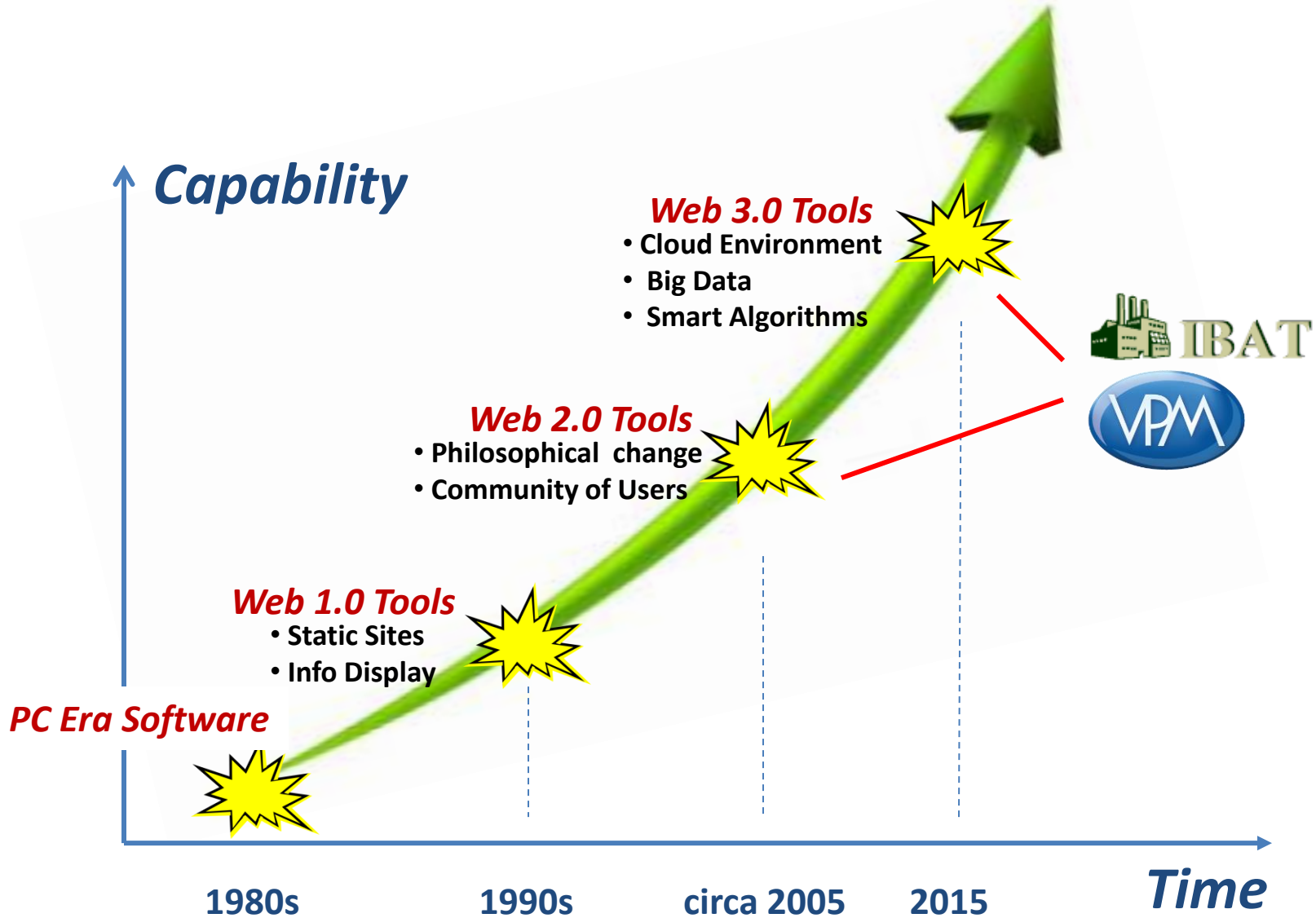


- Video Stores
- Paper Maps
- Vinyl Records – CDs
- Pay Phones (Phone Booths)
- Camera Film
- Newspaper Want Ads / Help Wanted

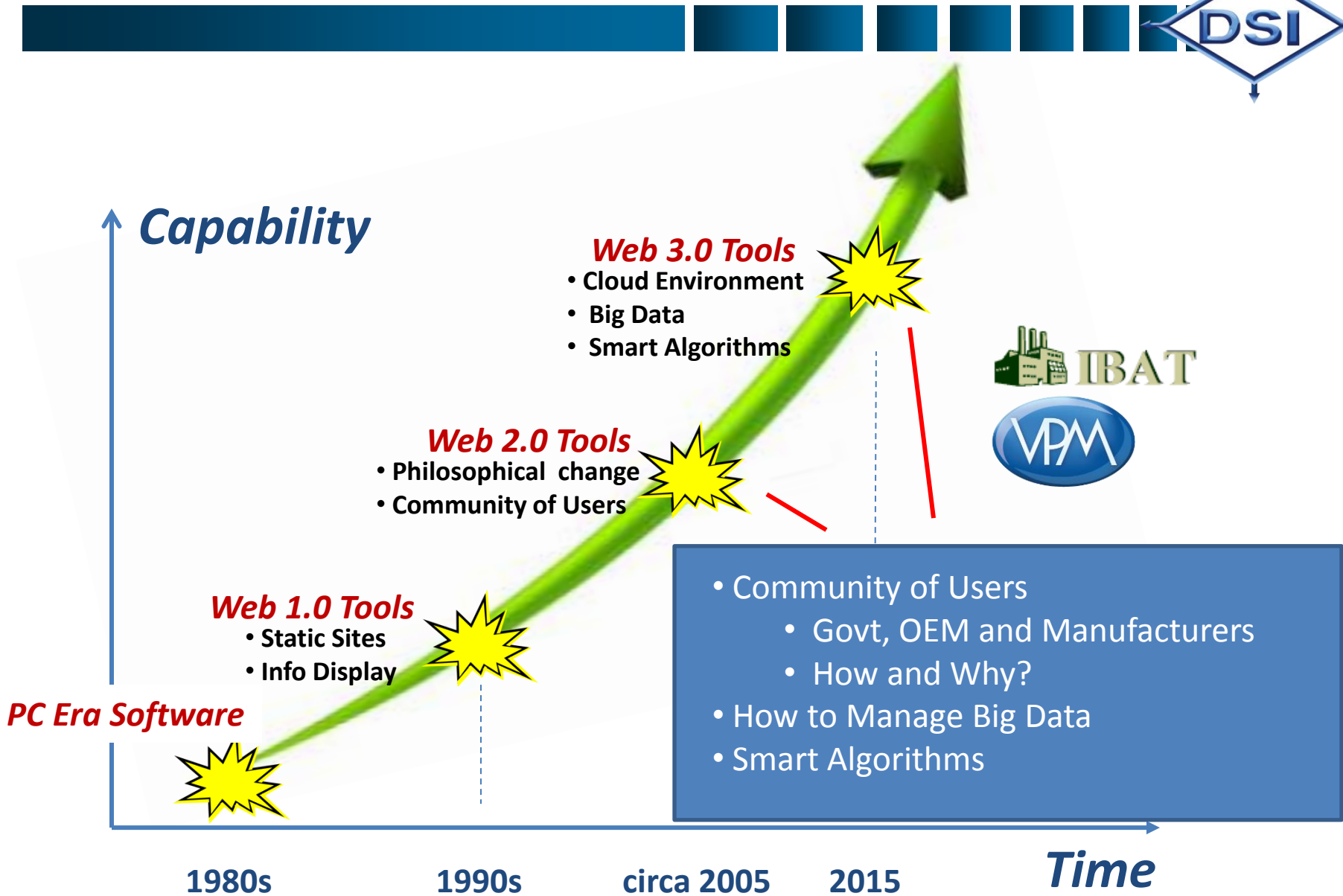


# Web Tool Evolution

DSI



# Web Tool Evolution

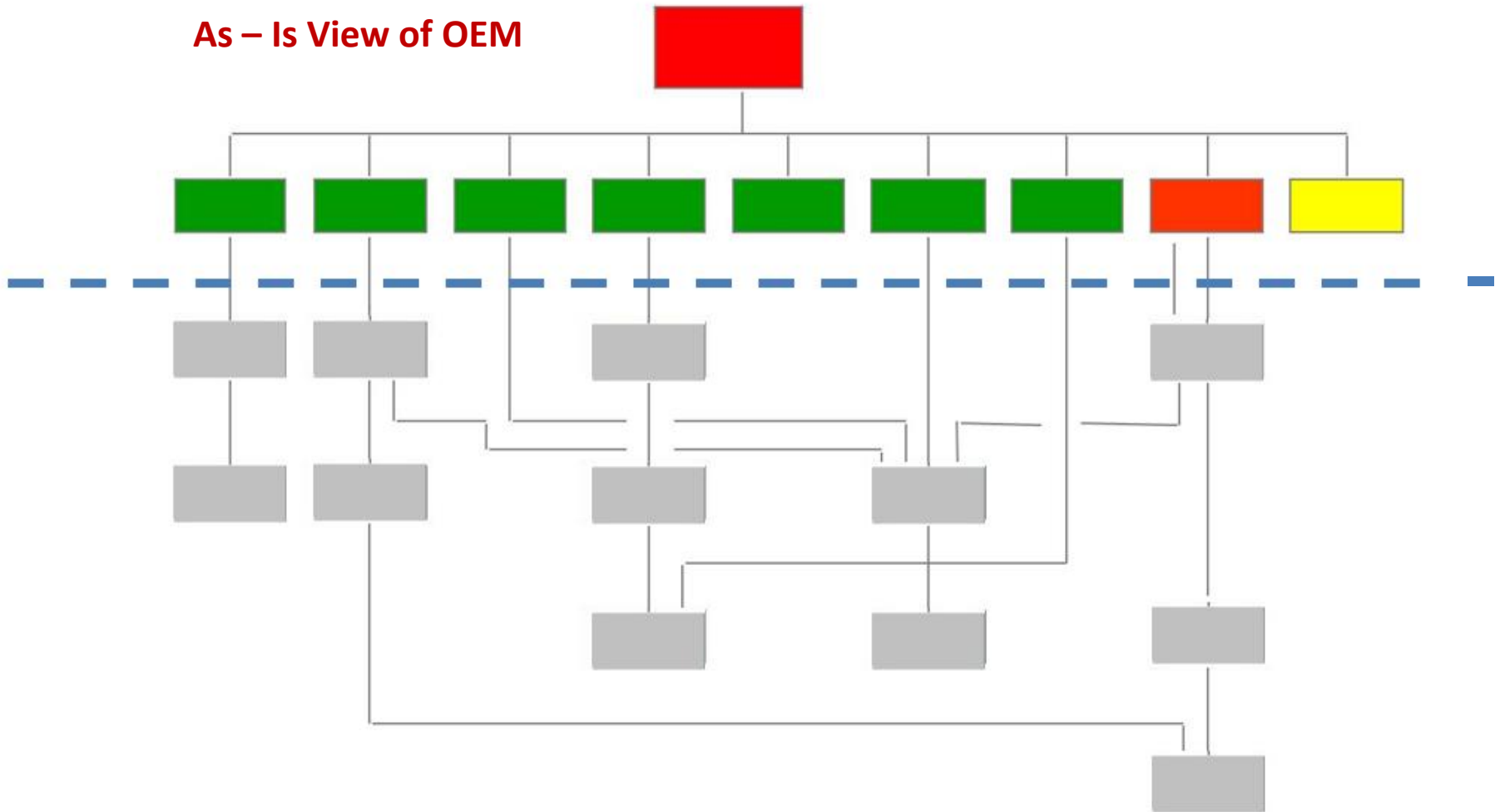


# OEM View

## Community of Users



As – Is View of OEM



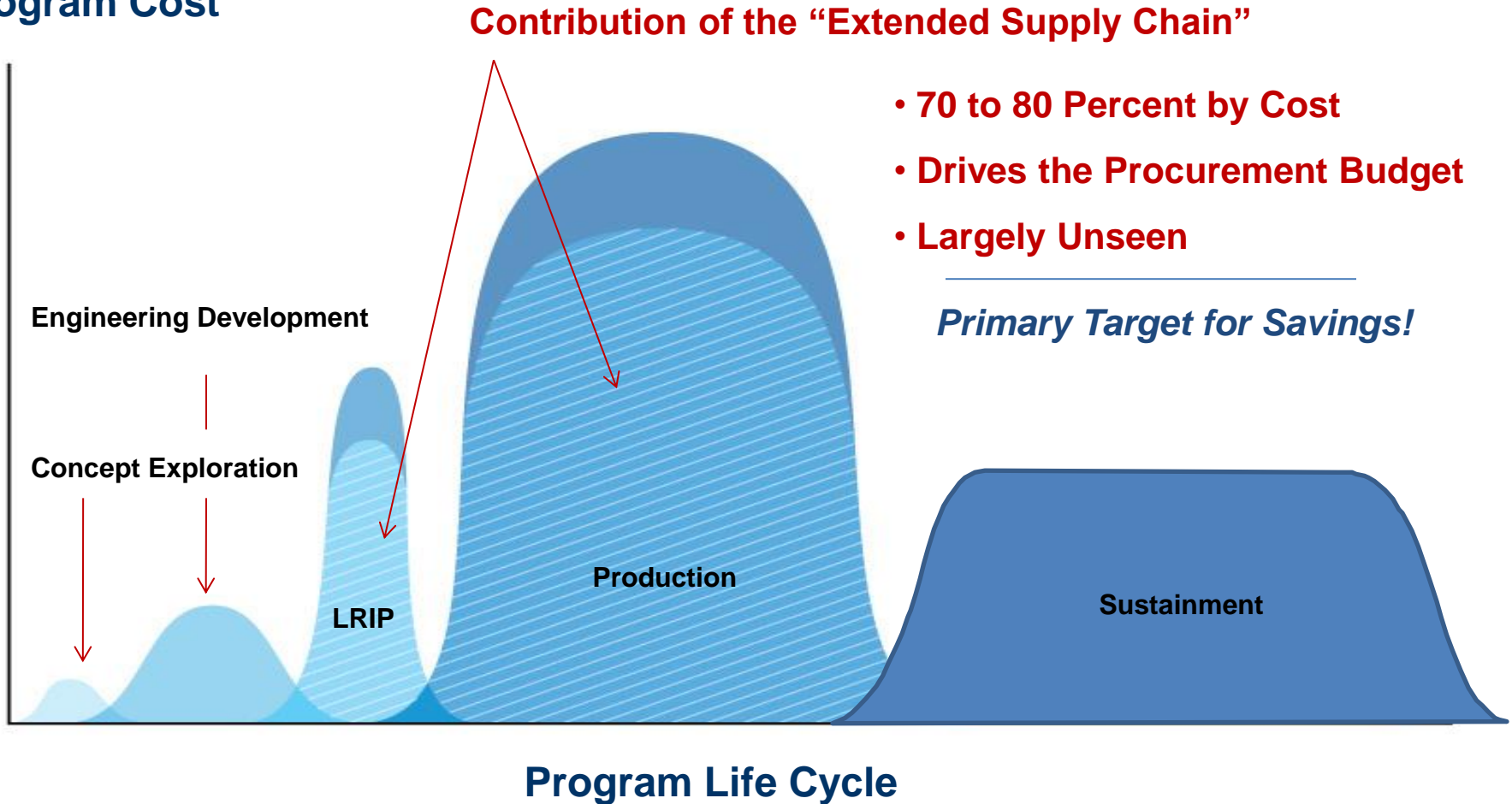


# Acquisition Life Cycle

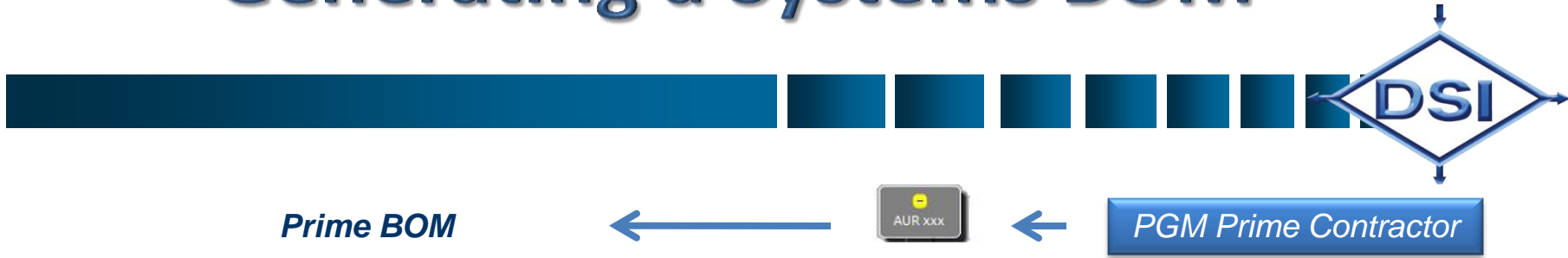
## Community of Users - Why We Care



### Program Cost



# Generating a Systems BOM

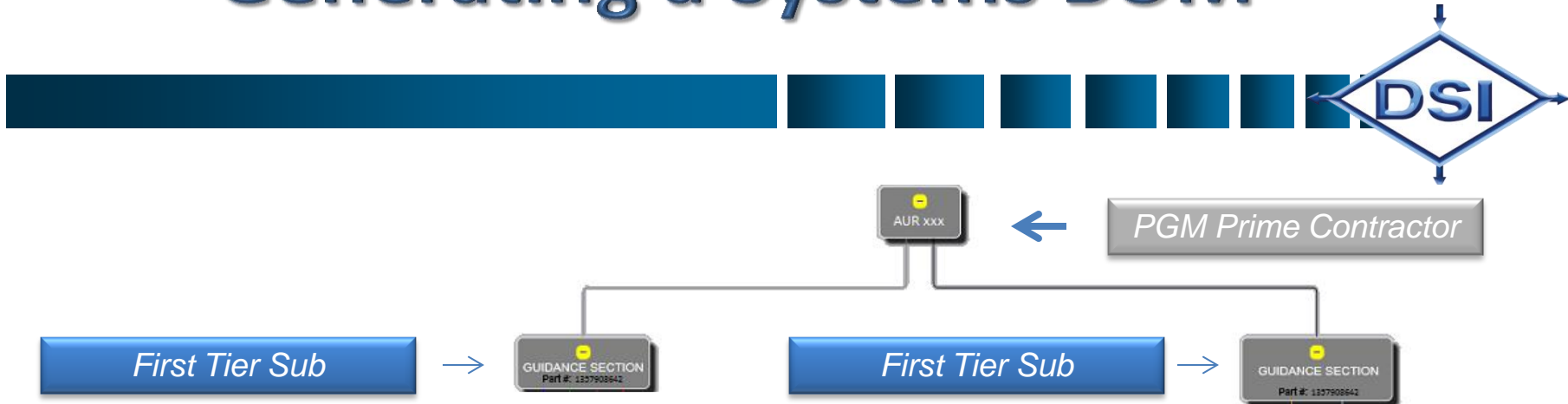


**Prime BOM**

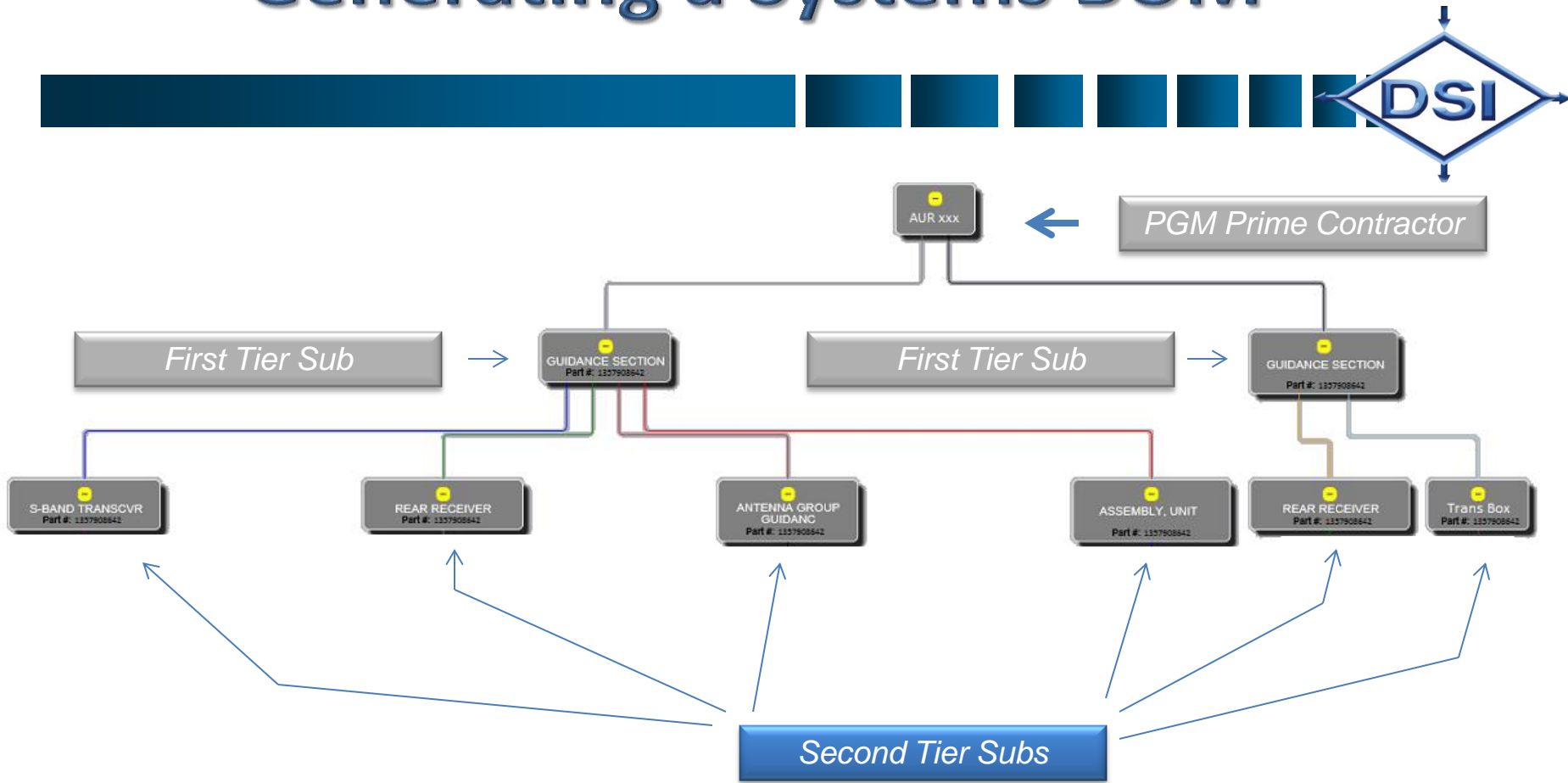




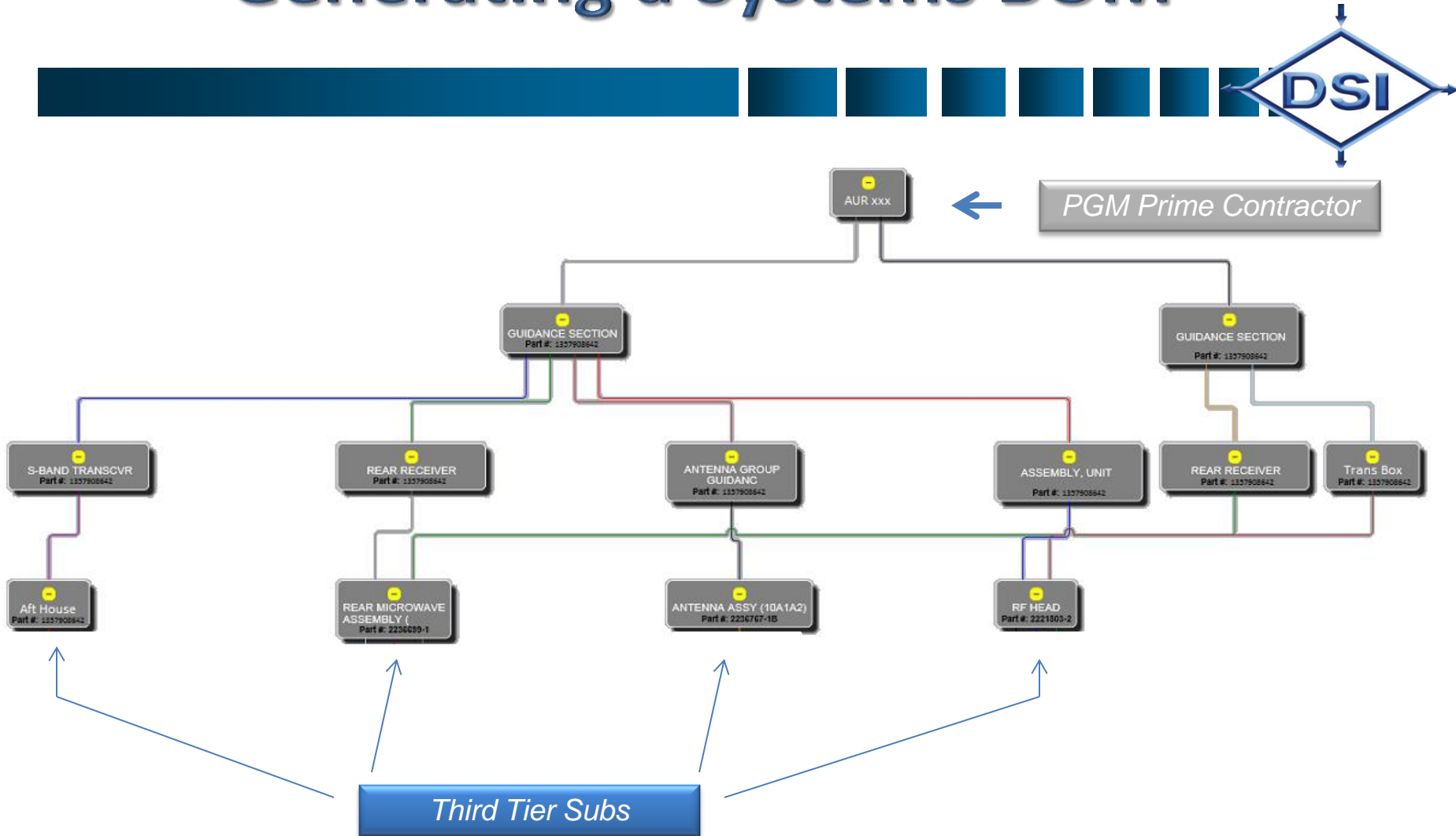
# Generating a Systems BOM



# Generating a Systems BOM

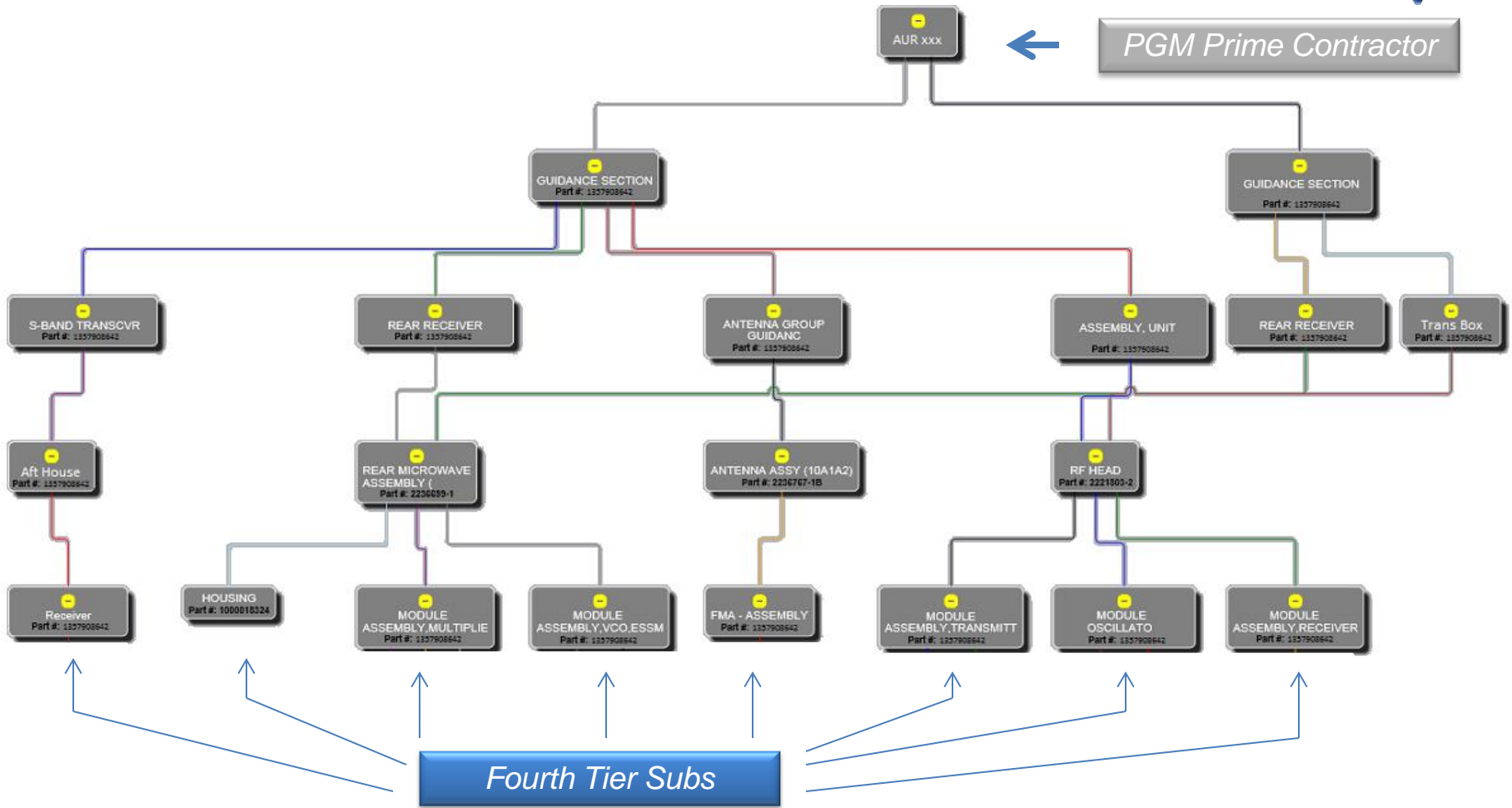


# Generating a Systems BOM



# Generating a Systems BOM

DSI

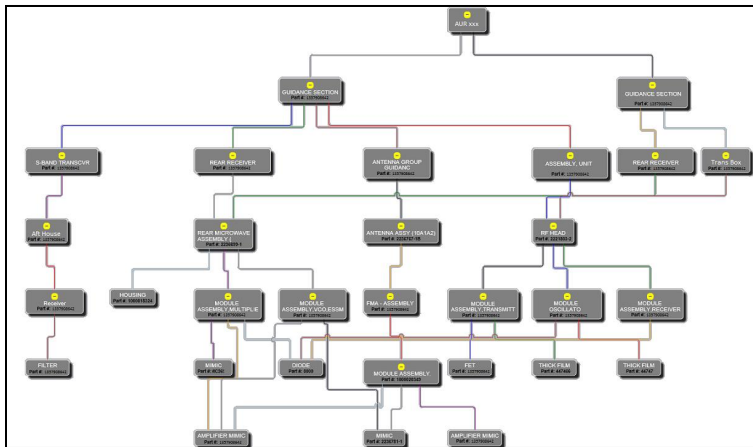




# Generating a System's BOM



★ As Suppliers join Program, the “Systems” BOM becomes visible



- IBAT
  - Suppliers: + 300
  - Items/Components: +2700
- VPM
  - Suppliers: + 450
  - Items/Components: +1200

# Managing Big Data

A diamond-shaped logo with the letters 'DSI' inside. The diamond has arrows pointing outwards from its top, bottom, left, and right vertices. The logo is blue and white.

DSI

## Big Data



*Data Filters*



## Manageable Information



# VPM System

## Manageable Information - Supplier Network

The screenshot displays the VPM System interface. At the top is a navigation bar with icons for HOME, DATA, TRACKING, QUALITY, SIMULATION, QNOTES, NETWORK (highlighted), and ADMIN. On the left is a control panel with a search bar, network type selection (Supplier selected), color selection (Data selected), options (Title, Comments, Legend checked), data selection (CAGE checked), and an export button. The main area shows a network diagram with nodes for various suppliers, including Missile Corp, Guid Inc, Electric Systems, ASIC Chip Inc, RX Receivers, MTK West Inc, TAK Corp, Atlantic Inc, Caribbean Scientific, Bank Steel, Heat Treat Company, Bow Plating Co, EY Process Inc, and Metallurgical Inc. A blue box highlights the filter settings: Supplier, Everything They Touch, and Sponsor: USN.

**Filter:**

- Supplier
- Everything They Touch
- Sponsor: USN

**Supplier Network Diagram:**

- Missile Corp (CAGE: 16080 3M-S IIA)
- Missile Corp (CAGE: 16080 8MS-IB C 3PL)
- Guid Inc (CAGE: 24617)
- Electric Systems (CAGE: D81600)
- ASIC Chip Inc. (CAGE: 16080)
- RX Receivers (CAGE: 16080)
- MTK West Inc. (CAGE: D81600)
- TAK Corp (CAGE: 3BJA0)
- Atlantic Inc. (CAGE: 16080)
- Caribbean Scientific (CAGE: 64151)
- Bank Steel (CAGE: 1HJW1)
- Heat Treat Company (CAGE: 8X907)
- Bow Plating Co. (CAGE: 3Y3Z2)
- EY Process Inc. (CAGE: 0MH04)
- Metallurgical Inc. (CAGE: 64151)



# VPM System

## Manageable Information - Material Network

DSI VPM

HOME DATA TRACKING QUALITY SIMULATION QNOTES NETWORK ADMIN

Scale Diagram:

Search  X

Results

Network Type:

Supplier

Material

Colors:

Tracking

Quality

Data

Options:

Title

Comments

Legend

Grid

Draw Mode

[Save Network](#)

[Clear Network](#)

Illuminate:

Filtered Items

Common All

Common Some

Unique

Data Select:

Part Number

Program

Product Group

Unit of Issue

Suppliers

Export

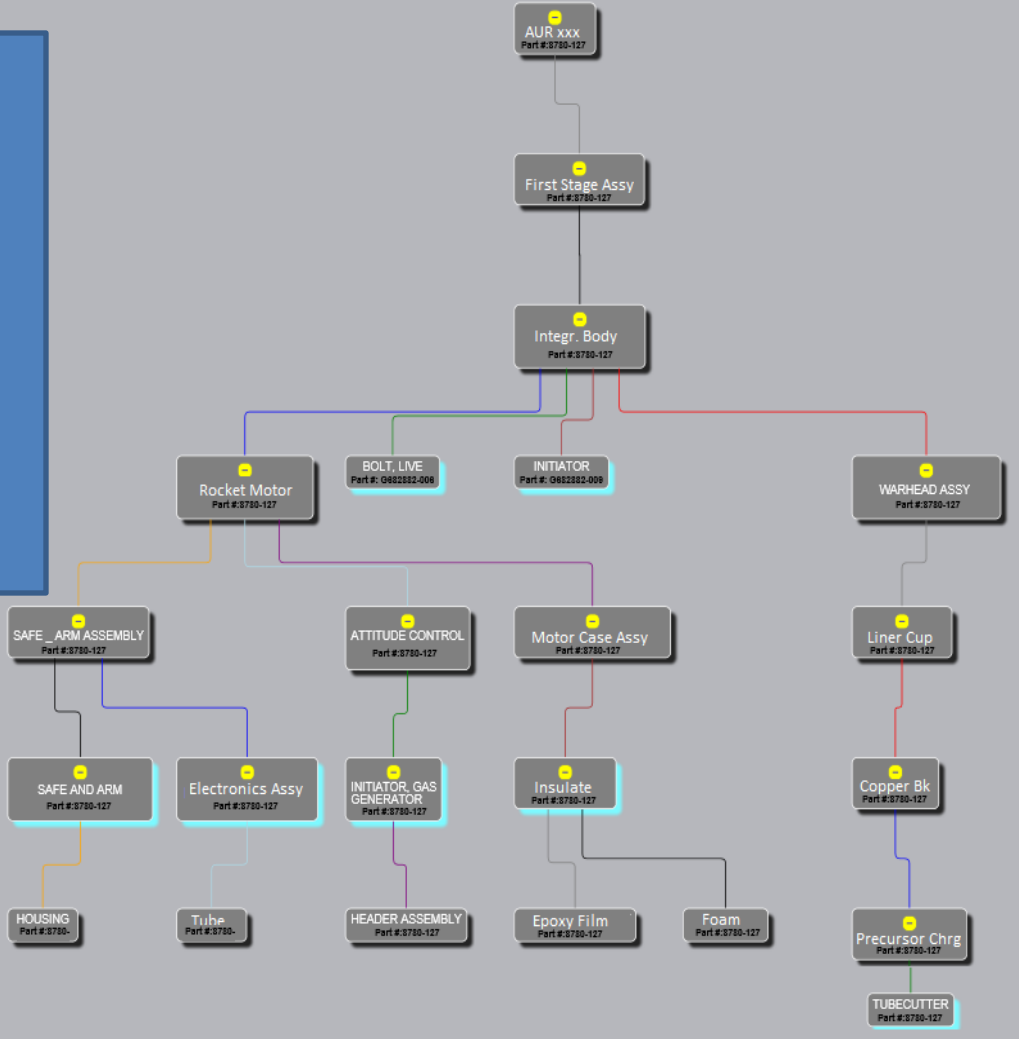
Print Setup

Upload Image

Place Image

Filter:

- Supplier
- Everything They Touch
- Sponsor: USN

# VPM System

## Manageable Information - Material Network

The screenshot displays the VPM System interface. At the top, there is a navigation bar with icons for HOME, DATA, TRACKING, QUALITY, SIMULATION, QNOTES, NETWORK (highlighted), and ADMIN. On the right side of the navigation bar, there are three status icons and the text "Rob Roy Filter: COPY OF SCRATCH 2".

The main area shows a network diagram with various components and connections. A blue overlay box is positioned in the center of the diagram, containing the following text:

**Filter:**

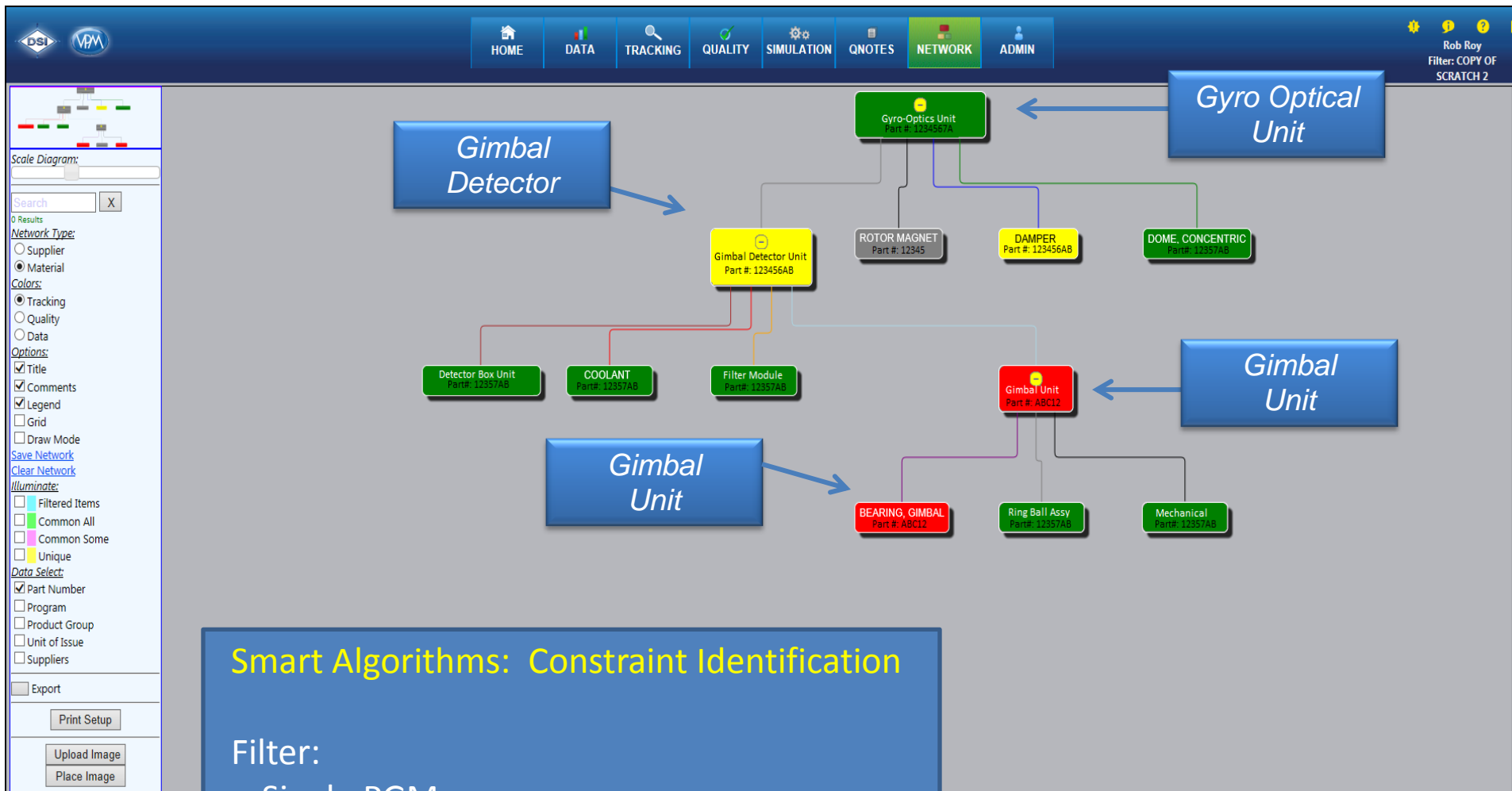
- Guidance Components
- Made by Foreign Suppliers
- Everything They Touch
- Sponsor: Air Force

A small red square is located at the bottom right of the blue overlay box.

On the left side of the interface, there is a sidebar with various controls:

- Scale Diagram:** A slider control.
- Search:** A search input field with an "X" button.
- 0 Results**
- Network Type:** Radio buttons for Supplier, Material (selected), and Data.
- Colors:** Radio buttons for Tracking, Quality, Data (selected).
- Options:** Checkboxes for Title, Comments, Legend, Grid, Draw Mode.
- Save Network**, **Clear Network** (links)
- Illuminate:** Checkboxes for Filtered Items, Common All, Common Some, Unique.
- Data Select:** Checkboxes for Part Number, Program, Product Group, Unit of Issue, Suppliers.
- Export** button.
- Print Setup** button.
- Upload Image**, **Place Image** buttons.
- Double click in background to*

# VPM System Constraint Identification

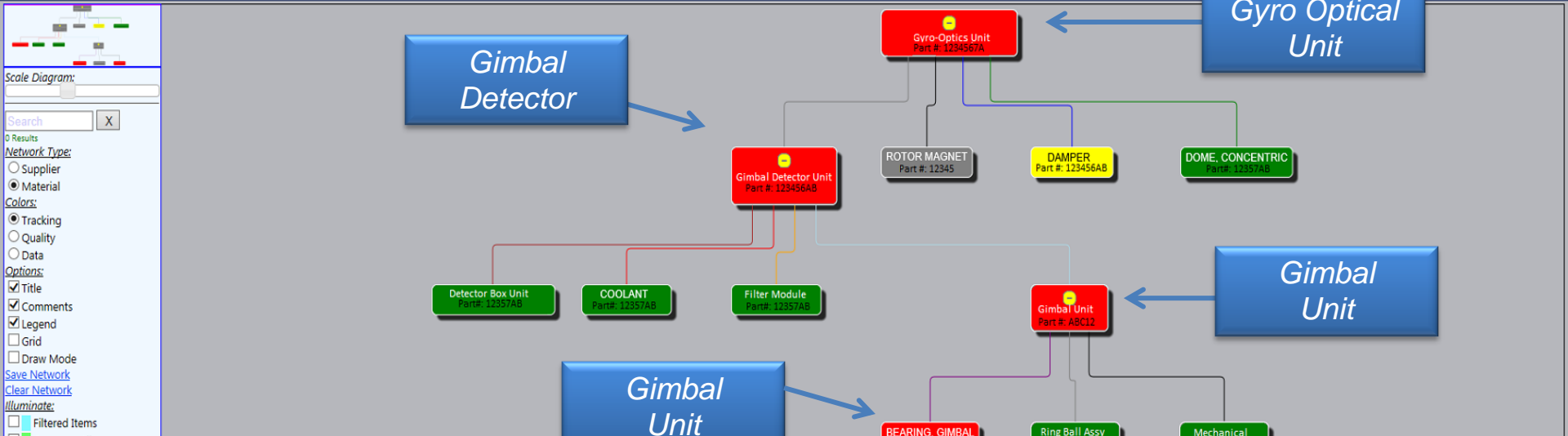


# VPM System Simulation Mode

DSI VPM

HOME DATA TRACKING QUALITY SIMULATION QNOTES NETWORK ADMIN

Rob Roy  
Filter: COPY OF SCRATCH 2



Scale Diagram:

Search X

0 Results

Network Type:

- Supplier
- Material

Colors:

- Tracking
- Quality
- Data

Options:

- Title
- Comments
- Legend
- Grid
- Draw Mode

Save Network

Clear Network

Illuminate:

- Filtered Items
- Common All
- Common Some
- Unique

Data Select:

- Part Number
- Program
- Product Group
- Unit of Issue
- Suppliers

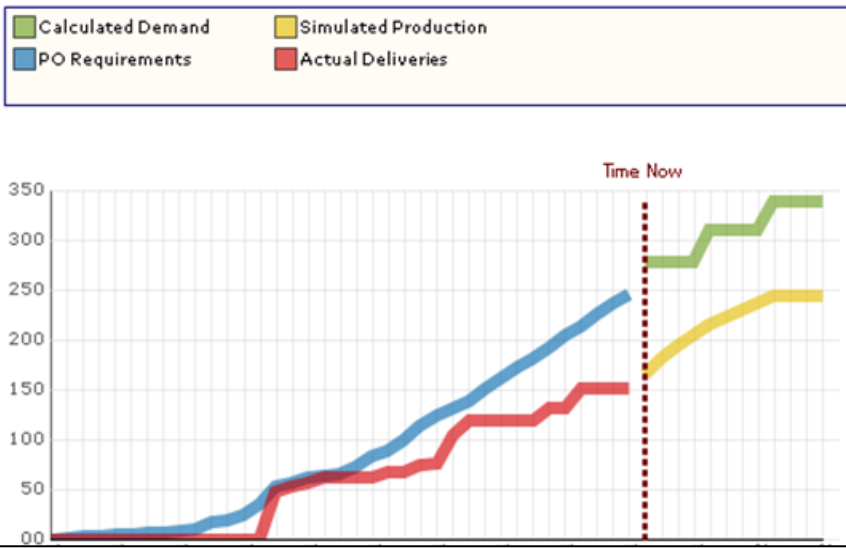
Export

Print Setup

Upload Image

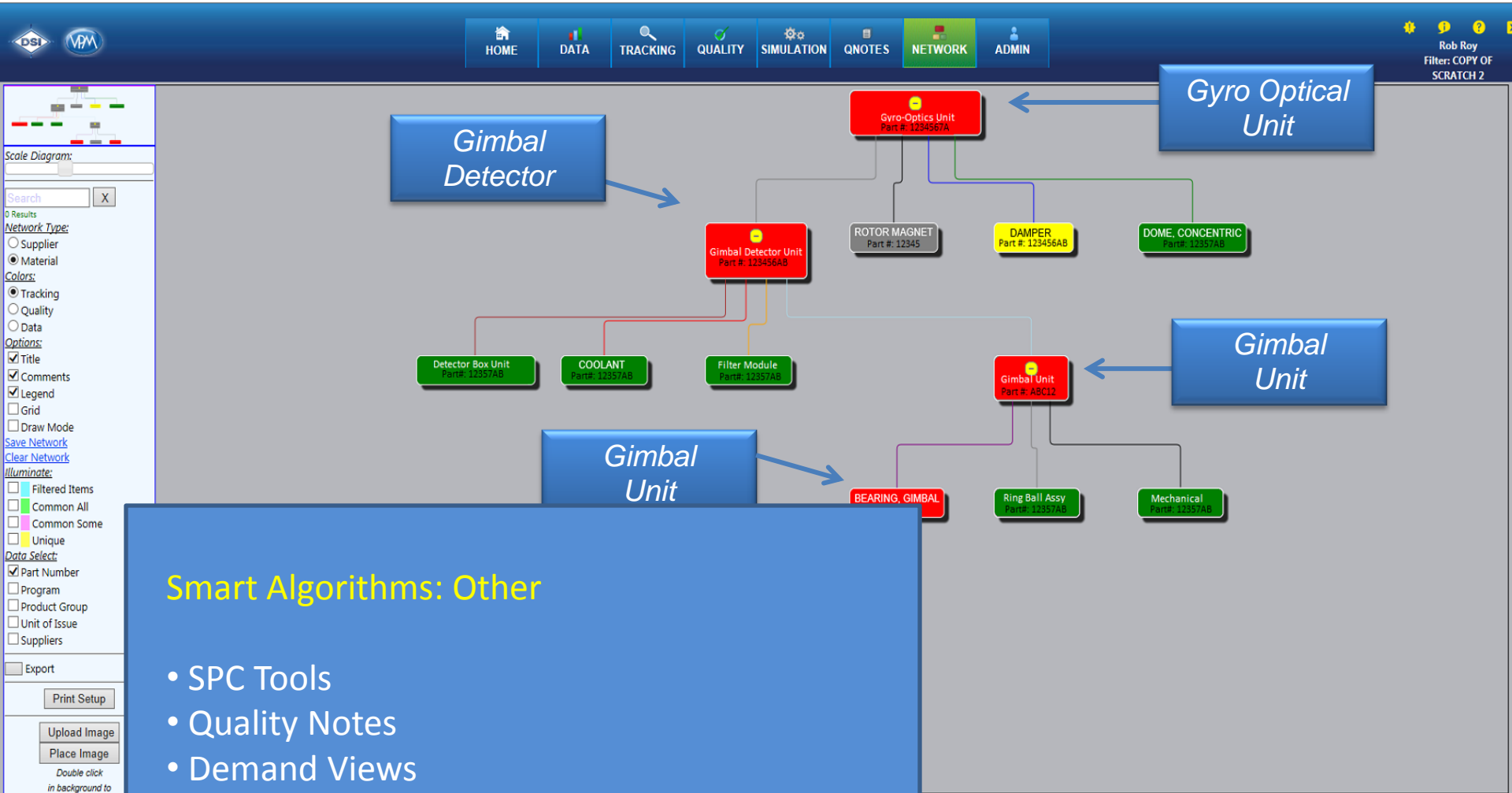
Place Image

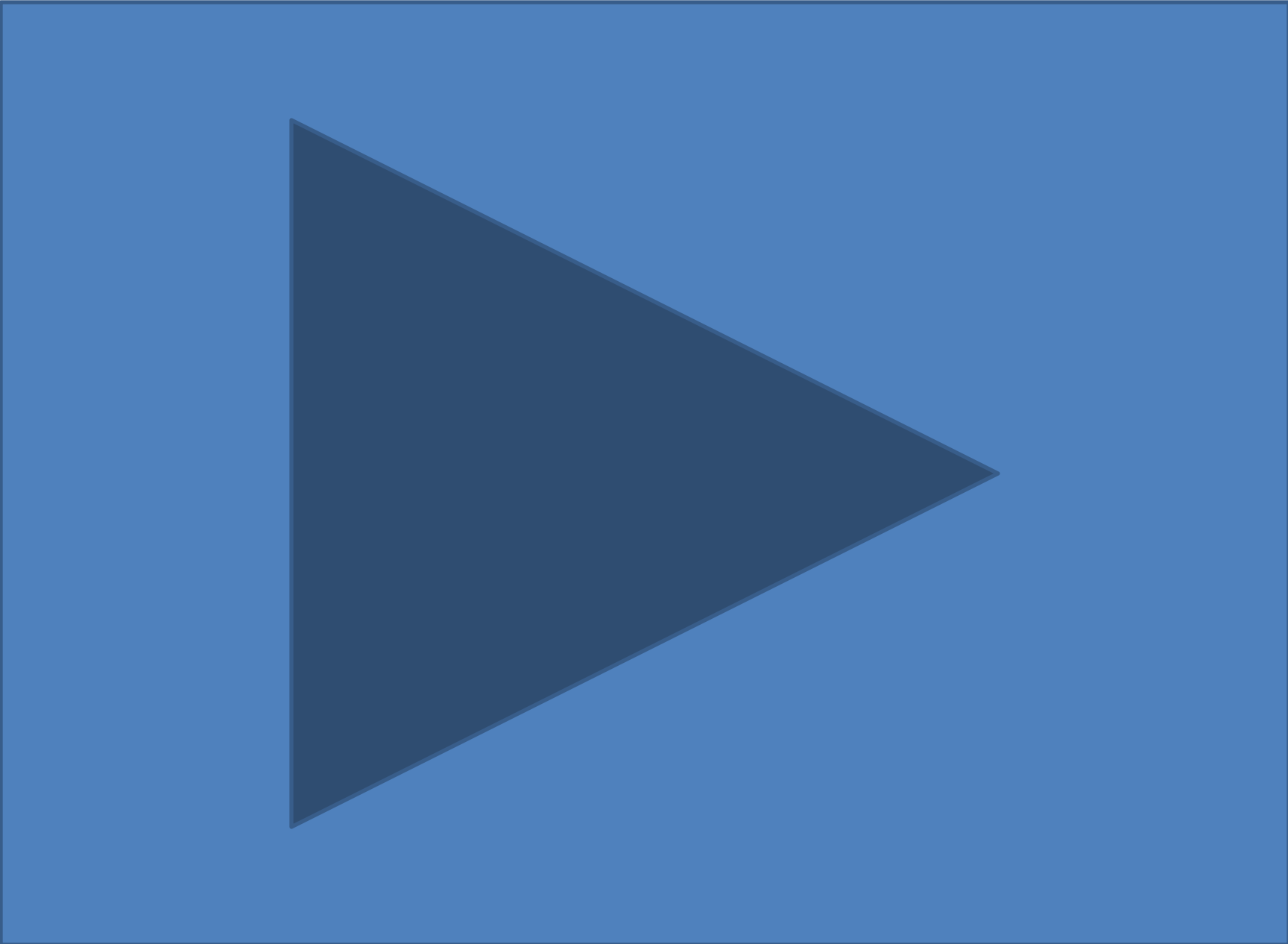
Double click in background to



# VPM System

## Other Modes





# Software Evolution



## *Observations:*

- Fuze IPT
- Defective Parts Reduction
- Obsolescence
- PO Alignment
- Counterfeit Components





***Thanks !***

## ***VPM & IBAT***

***(Decision Support Tools that Bridge PM, Manuf. Operations, Supply Chain)***

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