toolsgroup
Navigate Uncertainty

Product Vision and Roadmap

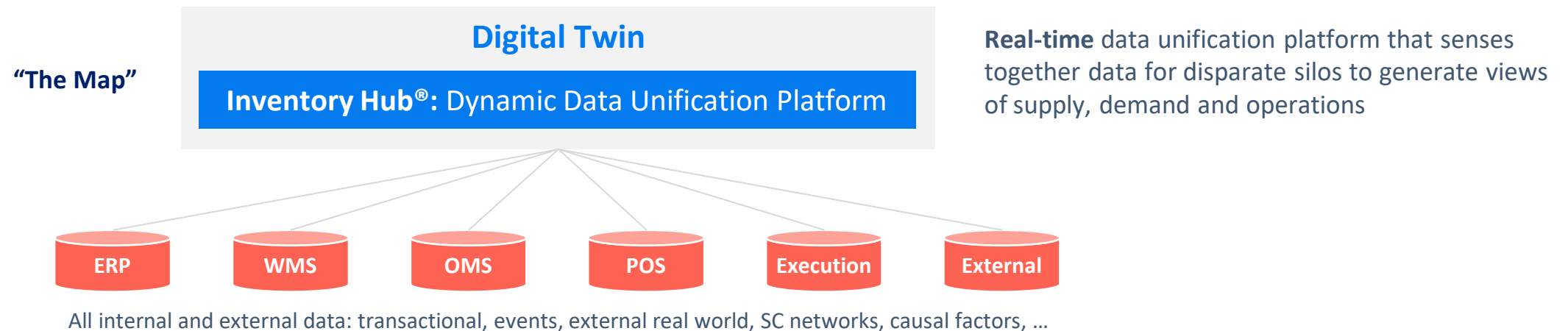Rob Kaufholz | Senior VP, Product Management

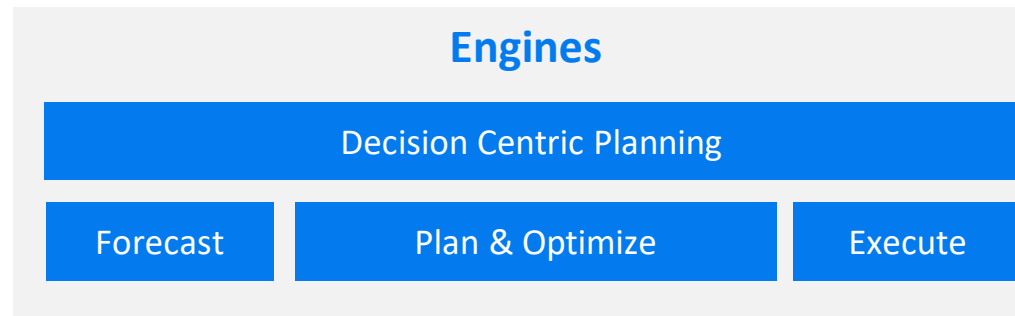Avenida Palace Síguenos en | Follow us on in
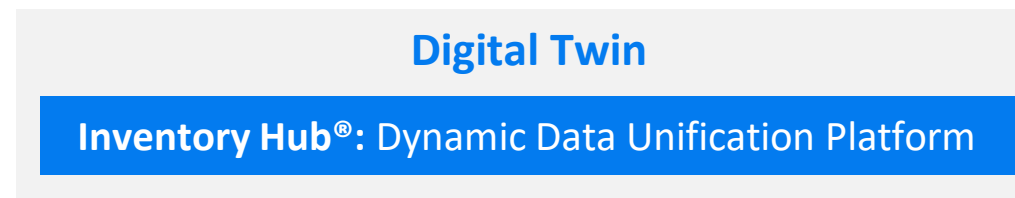
08/06/2023

How Will We Deliver This Vision?

Digital Twin

"The Map"

Inventory Hub®: Dynamic Data Unification Platform

Real-time data unification platform that senses together data for disparate silos to generate views of supply, demand and operations

ERP   WMS   OMS   POS   Execution   External

All internal and external data: transactional, events, external real world, SC networks, causal factors, …

How Will We Deliver This Vision?

"The Intelligent Guide"

Engines

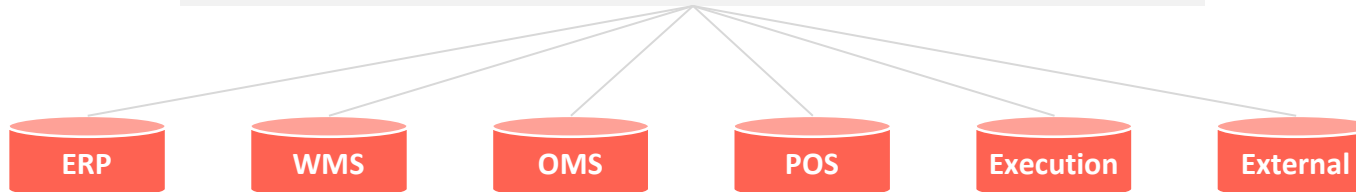**Decision Centric Planning**

| Forecast | Plan & Optimize | Execute |

Engines that interpret what is happening to **provide recommendations** on how to navigate each decision across the supply chain

"The Map"

Digital Twin

Inventory Hub®: Dynamic Data Unification Platform

Real-time data unification platform that senses together data for disparate silos to generate views of supply, demand and operations

ERP WMS OMS POS Execution External

All internal and external data: transactional, events, external real world, SC networks, causal factors, …

How Will We Deliver This Vision?

"The Navigation Center"

Unified Experience Layer

Central experience layer to **enable users to visualize what is happening** within the enterprise, and how to navigate each decision

"The Intelligent Guide"

Engines

Decision Centric Planning

| Forecast | Plan & Optimize | Execute |

Engines that interpret what is happening to **provide recommendations** on how to navigate each decision across the supply chain

"The Map"

Digital Twin

Inventory Hub®: Dynamic Data Unification Platform

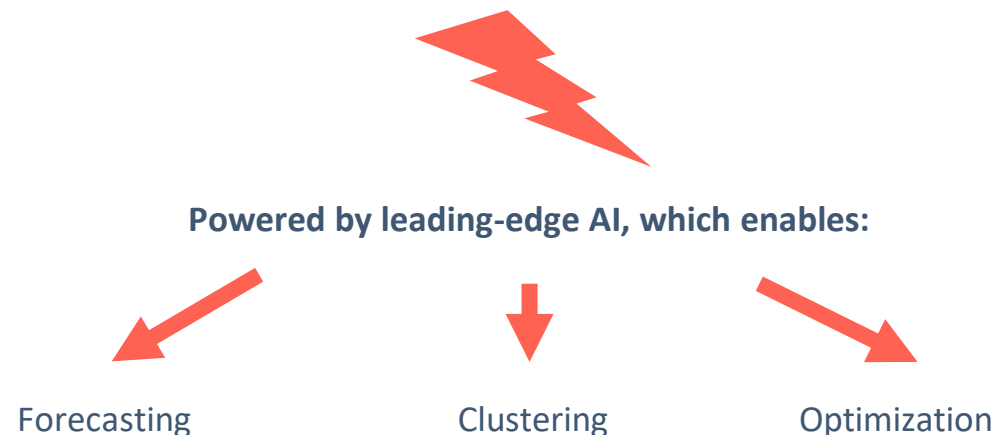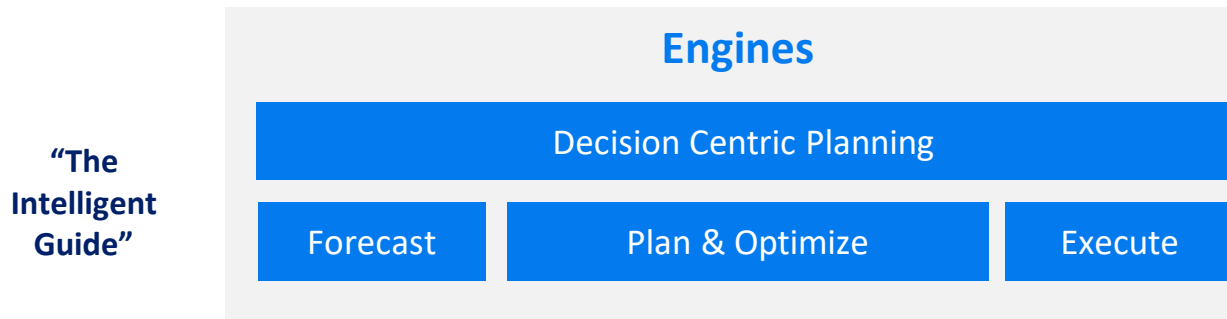**Real-time** data unification platform that senses together data for disparate silos to generate views of supply, demand and operations

ERP   WMS   OMS   POS   Execution   External

All internal and external data: transactional, events, external real world, SC networks, causal factors, ...

Our Best-in-Class Supply Chain and Retail Planning and Execution Solutions Form the Foundation for the Vision

"The Intelligent Guide"

Engines

Decision Centric Planning

| Forecast | Plan & Optimize | Execute |

Powered by leading-edge AI, which enables:

Forecasting   Clustering   Optimization

Applications:

Decision Centric Planning

- Merchandise Financial Planning

Forecast

- Demand Forecasting

Plan & Optimize

- Inventory Optimization
- Assortment Planning
- Allocation & Replenishment
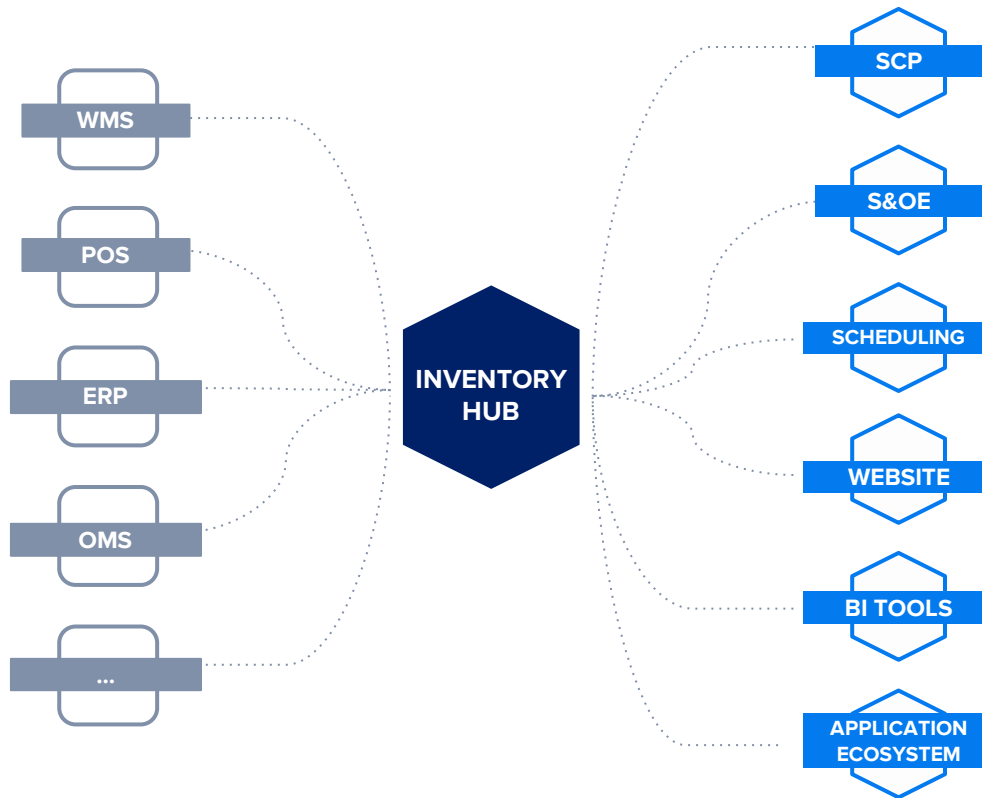
Execute

- Dynamic Fulfillment

ToolsGroup Roadmap

- **Inventory Hub**

- **UX/UI**

- **S&OP Reimagined**

Inventory Hub® Dynamic Data Unification Platform

ToolsGroup's Dynamic Data Unification Platform captures real-time execution data from silo'd transactional systems to deliver a single source of truth for inventory data that powers decision-centric planning

WMS
POS
ERP
OMS
...

INVENTORY HUB

SCP
S&OE
SCHEDULING
WEBSITE
BI TOOLS
APPLICATION ECOSYSTEM

TRACK: Capture events across systems to create a real-time record of inventory

ANALYZE: Unlock easy, centralized eligibility and availability management

SERVE: Display real-time inventory to any channel or application, at web-speed

Part of the Larger ToolsGroup Solution Suite

Decision-Centric S&OP*
Reimagining S&OP for event-driven planning and real-time decision making at scale

Supply Planning
Create optimized constraint-based supply plans and automated supplier proposals

Production Planning & Scheduling*
Evaluate strategic and operational decision to define and optimize demand-driven production plans and schedules site by site

SO99+
Supply Chain Planning

Probabilistic Forecasting
Improve demand modelling with probabilistic and frequency-based, self adaptive forecasting with machine learning engines

Dynamic Allocation & Replenishment
Ensure the right amount of stock is at the right place, at the right time

Inventory Optimization
Ensure desired customer service levels are met with minimum network inventory with multi-echelon inventory optimization

justenough
Retail Planning

Merchandise Financial Planning
Better manage financial plans and open-to-buy budgets

Assortment Planning
Optimize and localize customer-centric product assortments

Price & Promotion Planning
Increase sales and profit margin at every stage of the buying cycle

Dynamic Fulfillment
Lower costs and increase margins across a multi-node fulfillment network

Inventory Hub® Dynamic Data Unification Platform

Unified User Experience: Next Generation Web Interface

// Single entry point to all applications
Common design system for all ToolsGroup applications

// Engaging user experience
Persona-based, configurable views and workflows

// Collaborative process orchestration
Seamless communication and collaboration across business teams

// Advanced analytics and visualizations
Sophisticated embedded BI platform for reporting and analytics

<< Demo >>

UX VIDEO

Our Vision Re-Imagines S&OP for Decision Centric Planning

S&OP Re-imagined

Better decisions, *faster*

We are reimagining S&OP for event-driven planning and continuous decision making at scale.

Traditional S&OP Approaches Have Struggled for Decades

Most S&OP processes are monthly, linear, and manual, with data latency leading to poor decisions, *too late*.

Day 3	Day 10	Day 17	Day 24	Day 30
Portfolio Review	Demand Review	Supply Review	Pre-S&OP Meetings	Executive S&OP Meeting

As supply chain *complexity* and *disruption* increases, supply chain leaders must evolve their planning strategies.

The world doesn't wait for your S&OP cycle...

Reaching Zero-Latency In Decision Making Drives Competitive Advantage

S&OP Re-imagined

Run scenarios interactively in any meeting, on any day

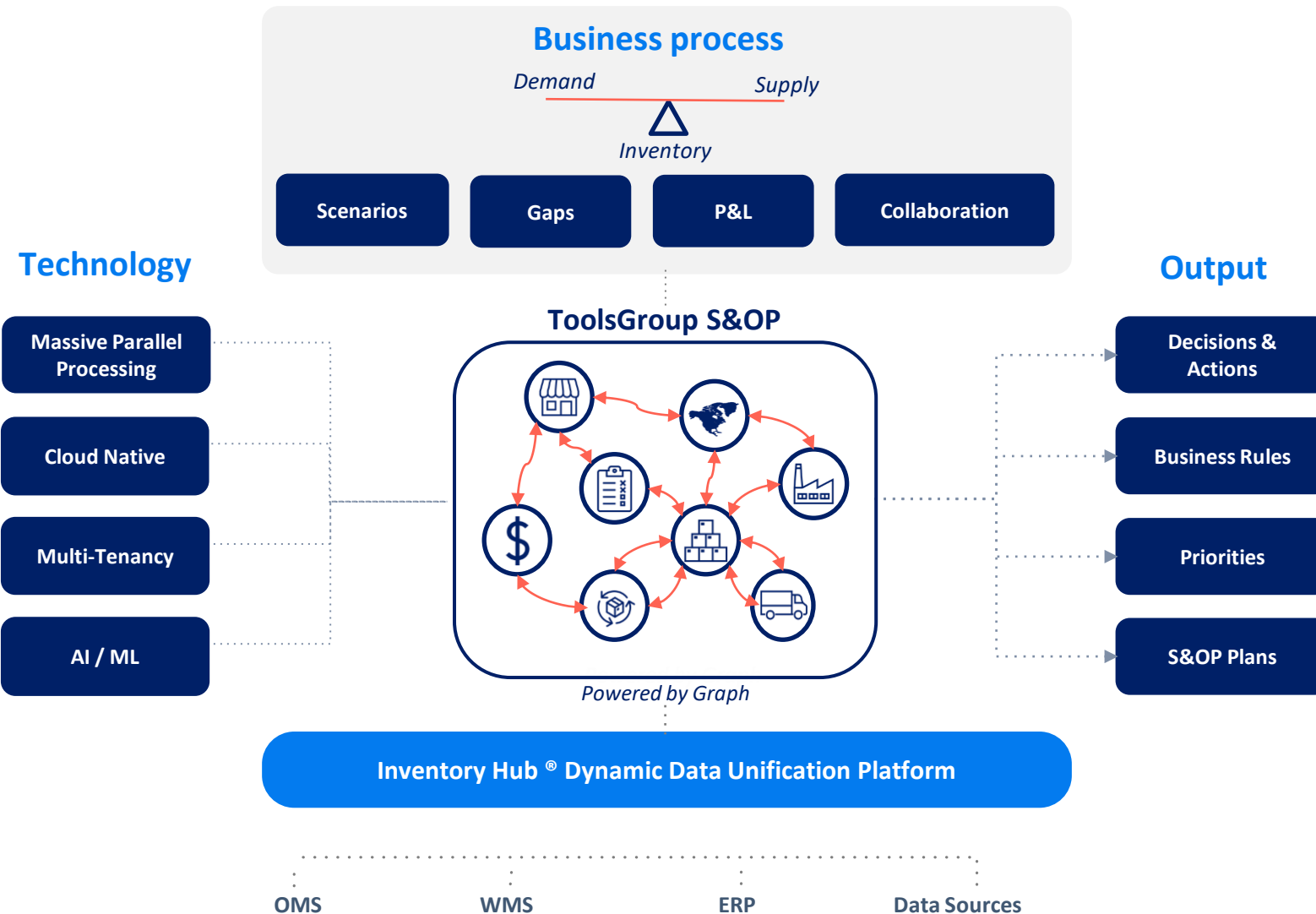Identify risks by using ML to evaluate 1000's of scenarios

Multi-echelon optimization retaining lowest-level of granularity

Seamless real-time data integration from ERP and financial systems

Evaluate financial trade-offs to decide on most profitable responses

Leveraging Real-Time Data From Across the Enterprise to Make Decisions at Web Speed

Business process

Demand   Supply

Inventory

Scenarios | Gaps | P&L | Collaboration

Technology

Massive Parallel Processing

Cloud Native

Multi-Tenancy

AI / ML

ToolsGroup S&OP

Powered by Graph

Inventory Hub ® Dynamic Data Unification Platform

OMS   WMS   ERP   Data Sources

Output

Decisions & Actions

Business Rules

Priorities

S&OP Plans