Decision Intelligence in the Supply Chain

From Firefighting to Proactive Agility

Merchandisers and planners are burdened with unifying insights and predictions from a myriad of tools, BI reports, and AI models, and then applying them to the business at hand. With supply disruptions and accelerating demand shifts, those in the trenches know that agility has become even more important than forecasting.

Rising to the challenge, Diwo's patented DI framework works continuously to sense a full range of opportunities in Supply Chain operations before they occur, explain their potential impacts, and recommend interactive strategies to address them.

Interconnecting Diwo's Decision Flows across multiple business functions such as Merchandising with Marketing means that promotions can be realigned, to further sync demand with supply in real time.

diwo.ai >

A pioneer in Enterprise AI, see how you can leverage Diwo's DI platform, technical and domain expertise to transform your most high value decisions across Supply Chain use cases.

How is Diwo different than the latest Supply Chain Tools and Enterprise AI platforms? >
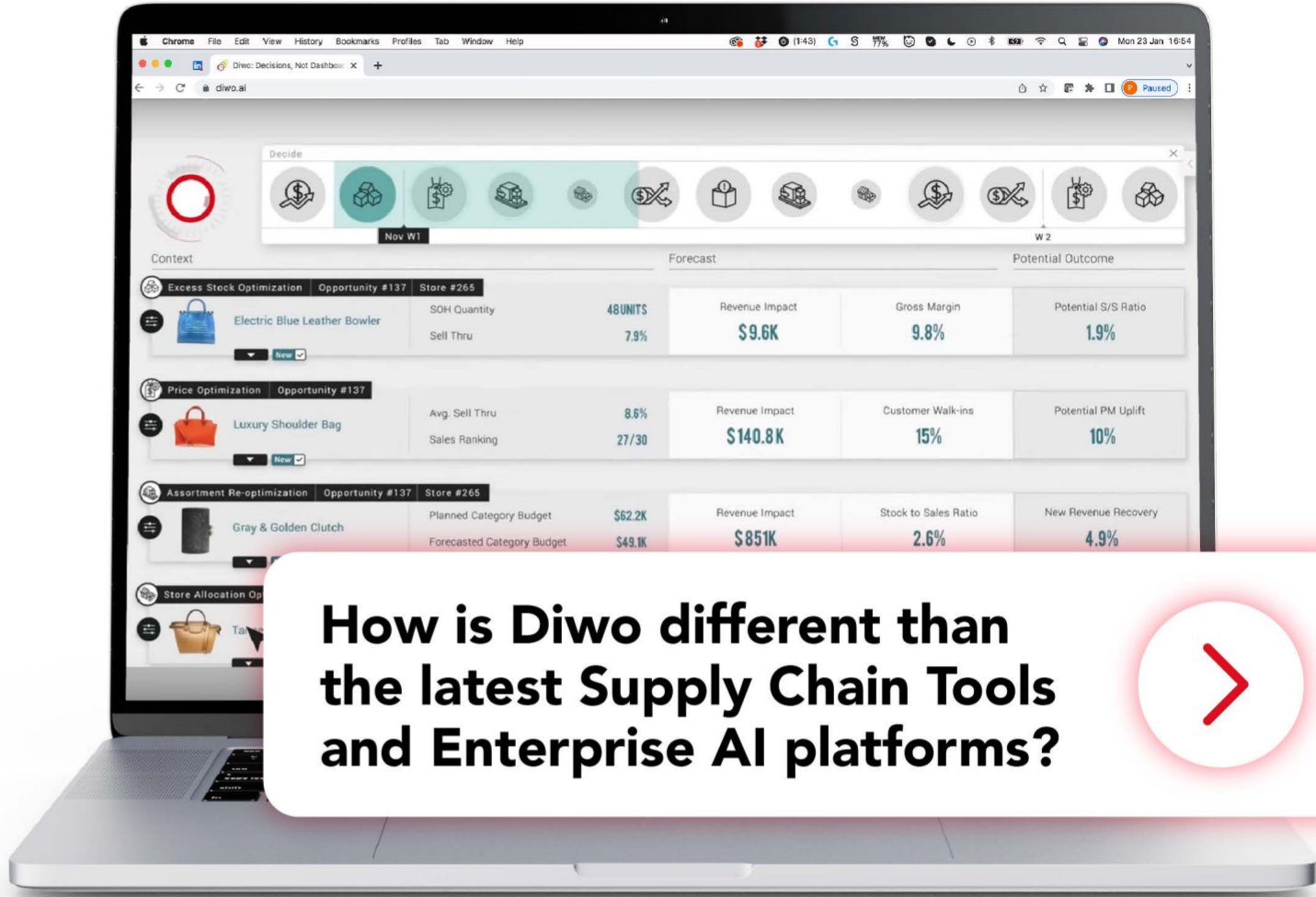
Optimize Buy Plan >

| | T-Shirt Fashion | Week 30 | Shortage Units 8K | Impact $3.4M |

I recommend **increasing stock allocation** for **White Tiles(+8%)** and decreasing for **Red (-3.7%)** between Week 30 to Week 33 for Store #15.

Optimize Deployments

| Building Supplies Week 30 | Profitability Impact | $231K |

Optimize Vendor Risk >

Optimize Replenishment >

Decision Intelligence at Work:

Planning at Supply Chain Speed

Instead of being left with endless data insights and ML output to connect and contextualize, Diwo synthesizes it all and provides quantified recommendations for next best actions. By interacting at a SKU-Week level, users can see the impact of further business-specific constraints and context, such as market planning data or potential product cannibalization.

By understanding the key drivers behind the most distorted SKUs, Diwo enables planners to focus on the high-priority excesses or shortages. Decisions can now be made within minutes, buy plan updates can be shared with other planners or trigger downstream actions to get the right product at the right place, time and price, across thousands of SKUs and locations.

Getting the right product at the right place, time and price, across thousands of SKUs and locations leaves planners asking "what next", that's why Diwo assimilates multiple insights to give a birds eye view of next best actions.
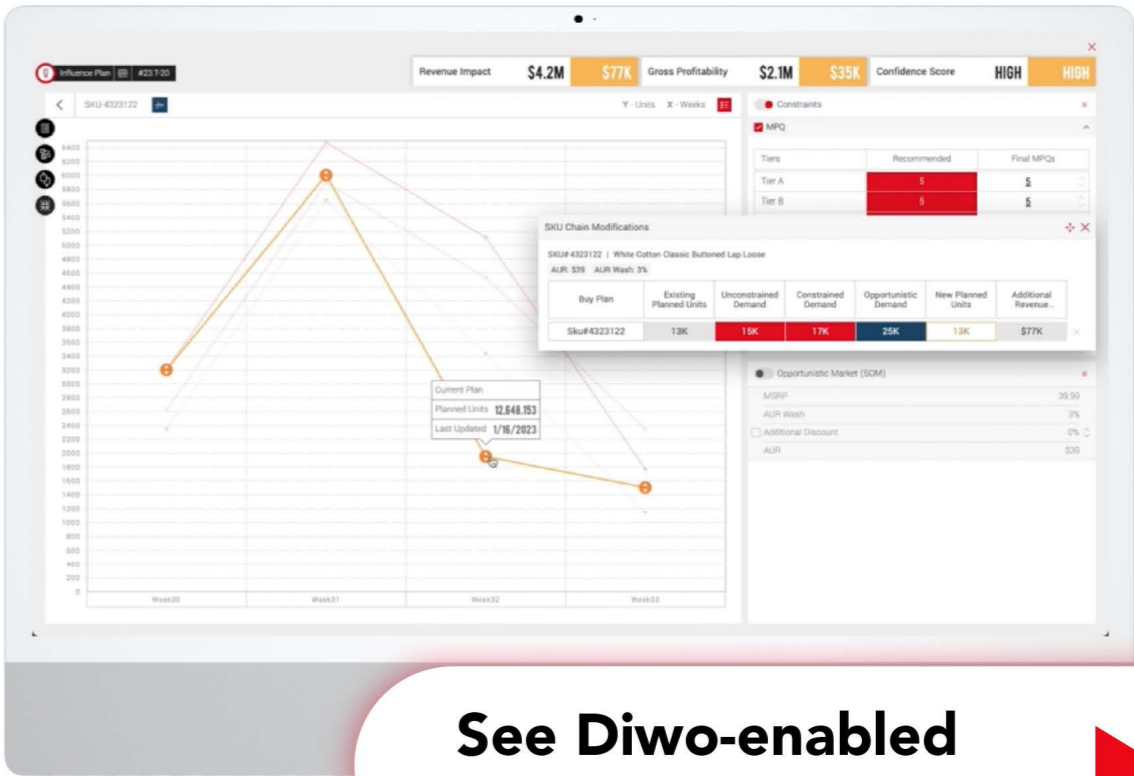
See Diwo-enabled Buy Planning ▶

I recommend **increasing stock allocation** for **White T-Shirts (+8%)** and decreasing for **Red (-3.7%)** between Week 30 to Week 33 for Store #15.

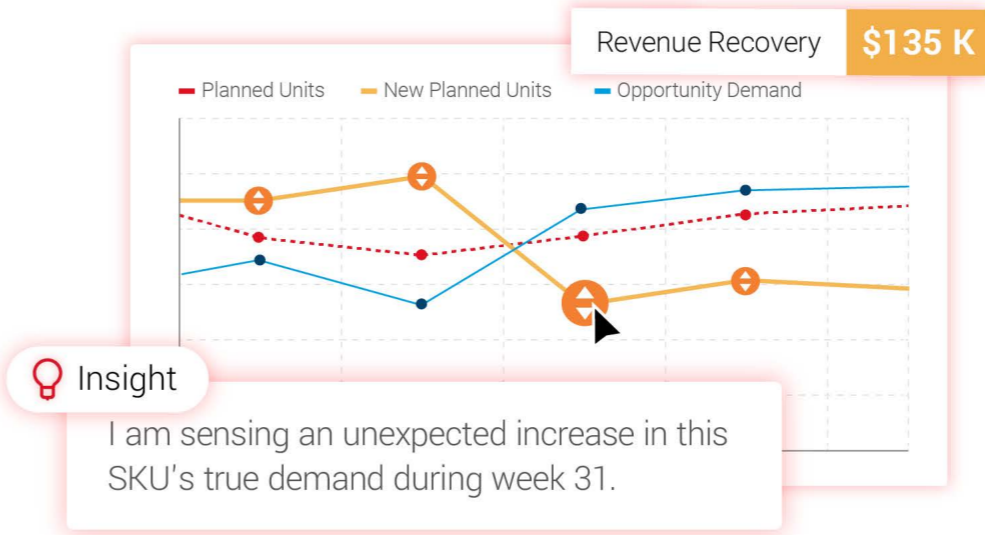| T-Shirt Week 30-33 | Impact | $3.4M |

Explore ›

Recommendation Summary

Evidence
Constraints
Past Performance
Related Insights

I see that **10 SKUs** out of 80 are **contributing 85%** of estimated demand. The overall model accuracy is about 97% for these SKUs.

What are my top trending products?

Exploration & Conversation

Revenue Recovery $135 K

— Planned Units   — New Planned Units   — Opportunity Demand

💡 Insight
I am sensing an unexpected increase in this SKU's true demand during week 31.

Intractive Decision Levers & Constraints

Action plan

Summary

Buy Plan

Decision & Action

Decision Intelligence at Work:
Optimize Vendor Risk

Synthesizing and contextualizing the latest insights from supplier monitoring tools to fully understand the impact of possible risks has become an infinite loop of reports between analysts, IT and other stakeholders.

Rather than just pinpointing supplier risks or delivering insights, Diwo automates the endless drudgework for Procurement decision makers, synthesizing insights from multiple platforms and data feeds to recommend the next best action.

Diwo also prioritizes specific vendors that need to be re-evaluated based on risk score changes and recommends potential alternatives, with the ability to drill down from a bird's-eye view. The interactive recommendations also immediately display the changes' impact on overall risk score.

See how DI Optimizes Vendor Risk ▶

Recommendation Summary

Exploration & Conversation

Intractive Decision Levers & Constraints

Decision & Action

Connect the Dots with DI for Distribution

Leverage it all in Deployment

Distribution SMEs—identifying the right product quantity at the right time and location for the distribution of material, capital or labor—have an incredible number of moving variables to contend with.
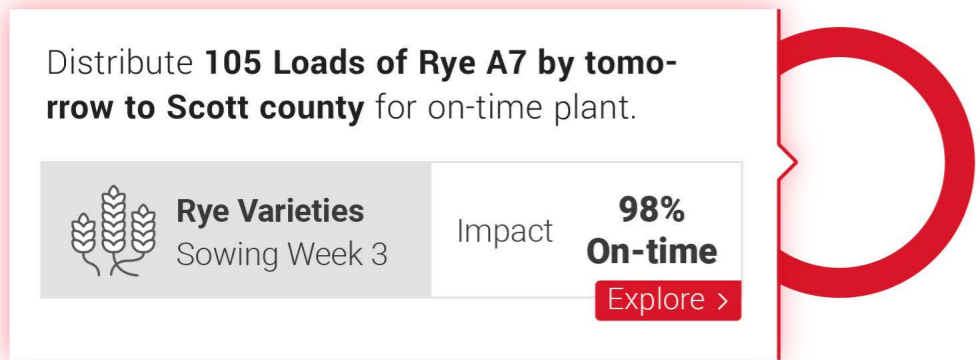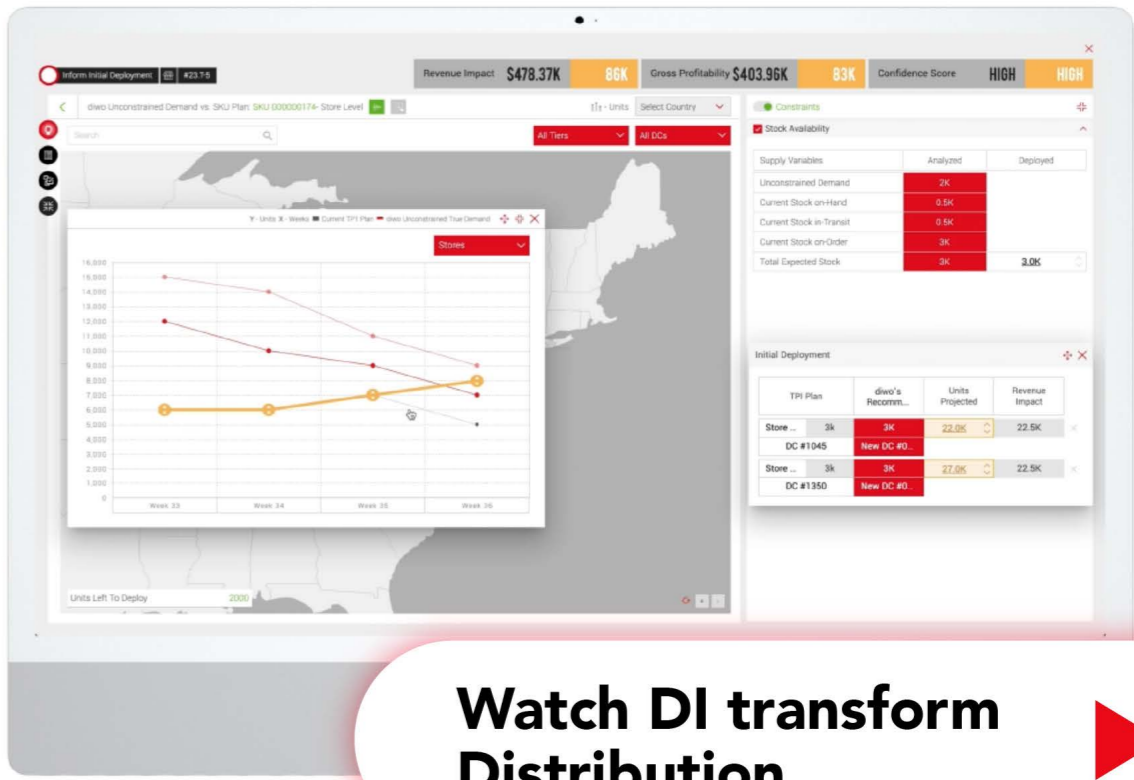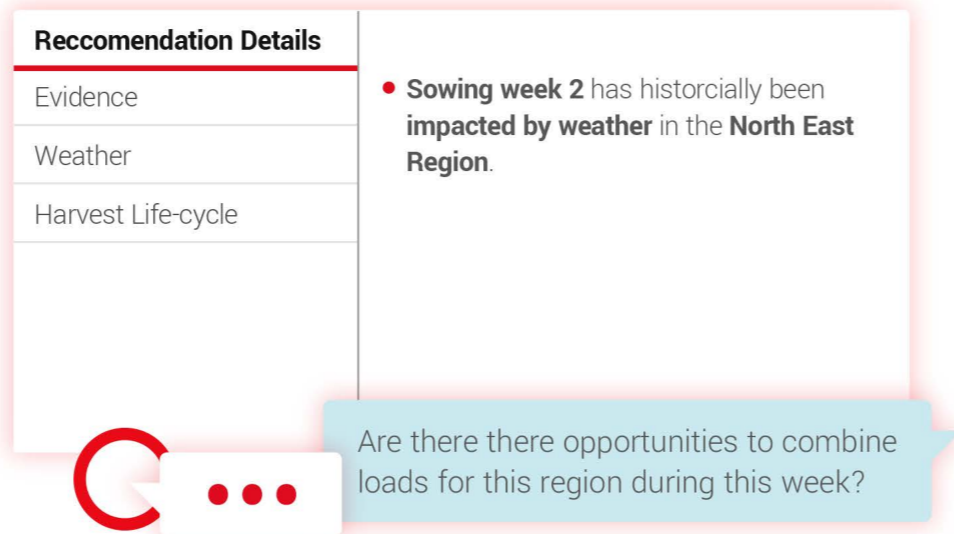
Diwo unifies and makes sense of multiple complex factors, like the granularity of demand at a location level, and recommends the next best actions. Beyond dashboard explorations that simply pinpoint issues or deliver insights, it presents quantified scenarios that allow the user to add business constraints and layers of context to make distribution decisions at the speed of the Supply Chain.

Need to trigger orders or share the action with other departments to optimize region-specific campaigns? Diwo makes it happen in minutes, instead of days.

Watch DI transform Distribution ▶

Distribute **105 Loads of Rye A7 by tomorrow to Scott county** for on-time plant.

| **Rye Varieties** Sowing Week 3 | Impact | **98% On-time** |

Explore ›

Reccomendation Details
Evidence
Weather
Harvest Life-cycle

● **Sowing week 2** has historcially been **impacted by weather** in the **North East Region**.

Are there there opportunities to combine loads for this region during this week?

Total Yield Impact $1.1 K

♀ Insight
A distribution delay of more than 4 days has historically impacted yield 0.08%

Action plan
Summary

Deployment Plan

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Recommendation Summary

Exploration & Conversation

Intractive Decision Levers & Constraints

Decision & Action

Bridge ML Output to Action With Decison Intelligence

Redefining Replenishment Agility

With constant disruptions and accelerating demand shifts, consumer brands are in a constant state of firefighting, as replenishment needs deviate from the inventory plans.

It is use cases like this where Decision Intelligence makes all the difference, enabling proactivity in replenishment efforts with a system that both identifies and prioritizes issues that can still be remediated.

Understanding demand through sell-through patterns for a product under multiple identifiers ahead of time, and being able to quickly simulate business-specific scenarios, means planners can continually address changes in a much more

agile way or even leverage other business functions. Interconnecting Diwo's Decision Flows across both Merchandising and Marketing can realign promotions, sync supply with true demand, optimize channel strategy, or even create on-demand audiences at the store/sku/week level.

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See what happens when Merchandising and Marketing meet in a DI Platform.

See DI In Action For Replenishment Scenarios
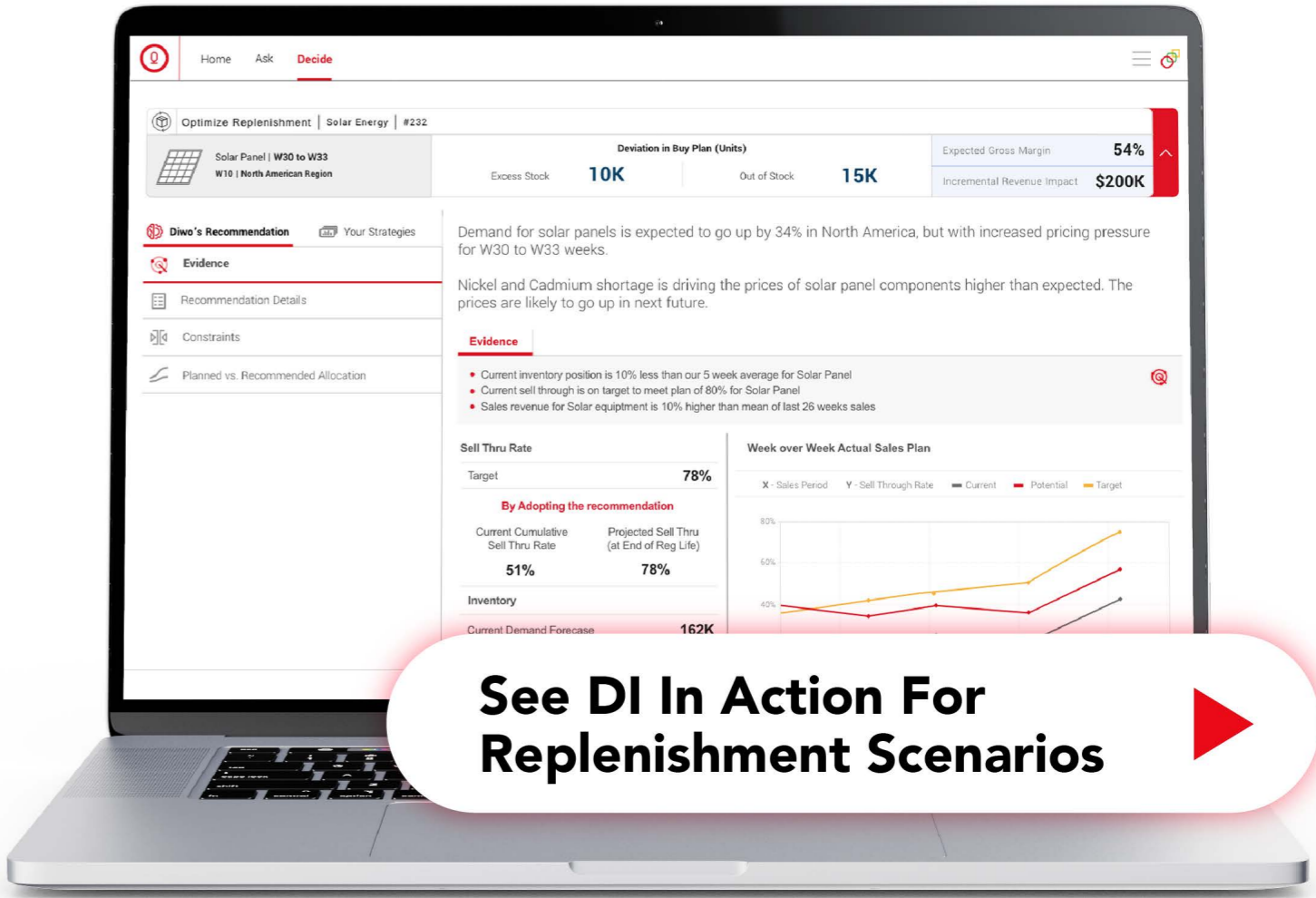
Demand for Baby Foods is likely to go up in the Northeast Region, I recommend an additional 15% inventory replenishment in DCATL.

| Baby Foods Week 10 to Week 15 | Revenue Impact | $230K |

Explore

Recommendation Summary

Evidence
Recommendation Details
Constraints
Planned vs Recommended Allocation

● **Demand** for Baby Foods is likely to g**o up in the Northeast Region** during **Week 10 to Week 15**, with a **shortage of 10K units**, I recommend replenishing an **additional 15% replenishment** in DCATL.

What is the inventory levels in DCATL in Baby Foods category for Week 5 to Week 10?

Exploration & Conversation

Revenue Impact $200K

Planned Units —New Planned Units —Opportunity Demand

True Demand vs Plan at Component Level

Insight
I am sensing an unexpected increse in the Baby Food (SKU 1232138) during Week 10 to Week 15 due extreme weather conditions.

Intractive Decision Levers & Constraints

Action plan

Summary

Replenishment Plan

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Decision & Action