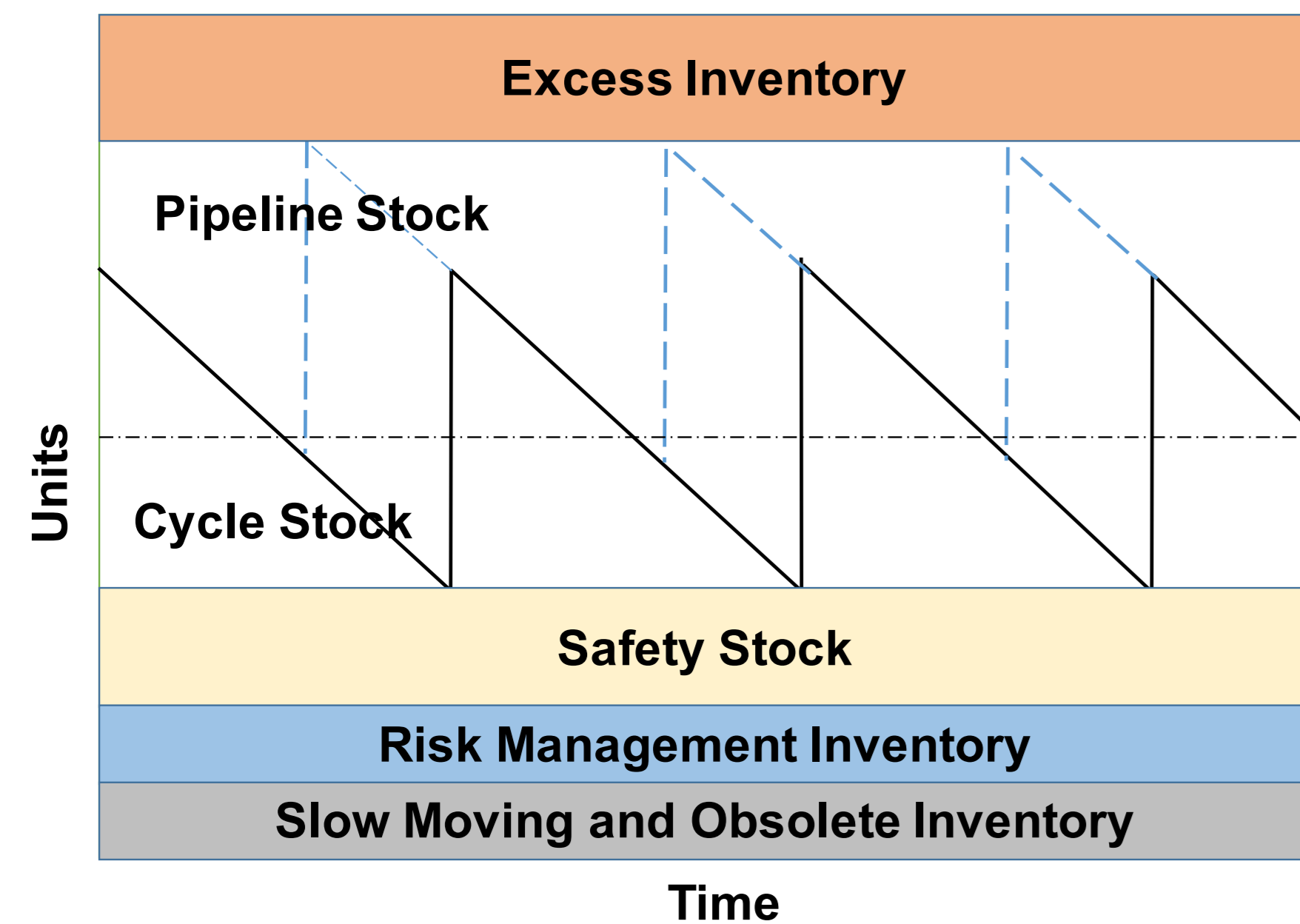


Using Big Data for Inventory Management

Motivation / Background

- Goal: improve inventory performance while maintaining high service levels.
- Big data: inventory on hand, demand, forecasting and product segmentation, inventory performance.
- Benefit: Insights will reduce costs related to inventory holding and free capital tied up in inventory.

Current model used to set inventory level per SKU:

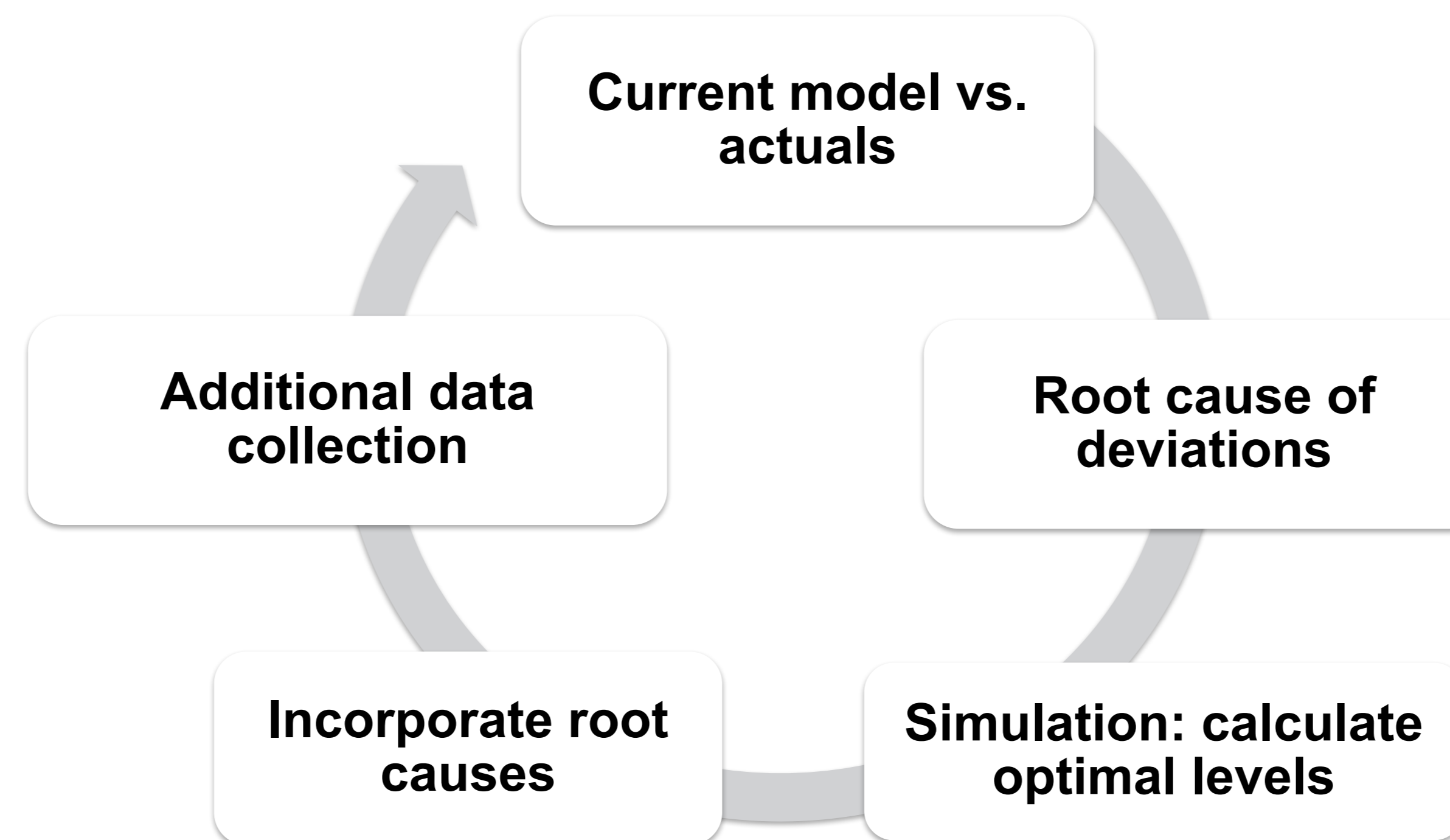


Key Question

How can the recently collected big data provide insights to refine the inventory model balancing excess inventory and service risk?

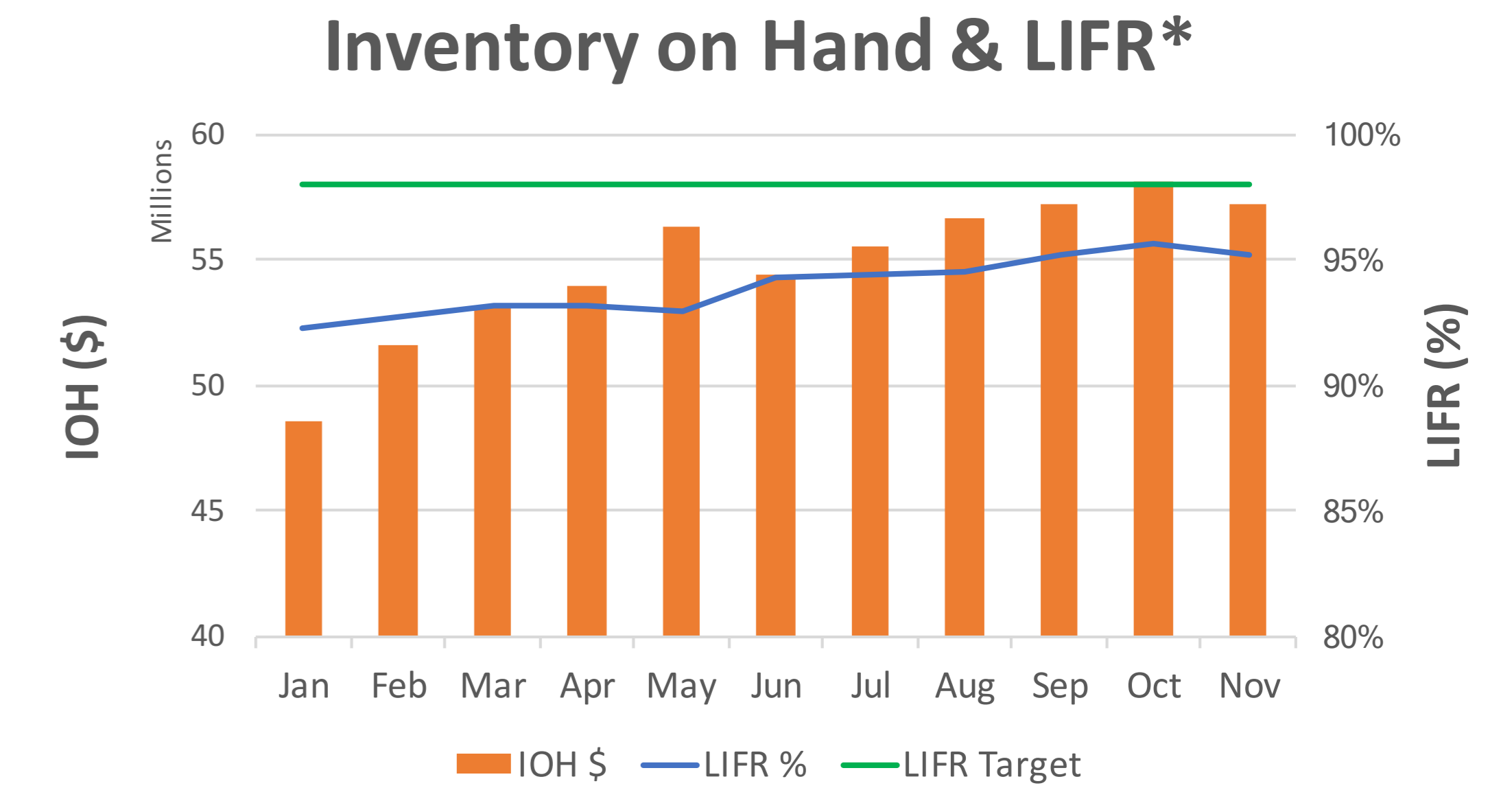


Methodology



Initial Results

- Service level growth lags inventory build-up.
- Initial results show a 15% of inventory overage in European DC.



* LIFR: Line Item Fill Rate

Expected Contribution

- Provide insights about current inventory management policies using the collected data.
- Management framework that collaboratively creates, modifies and evaluates inventory strategy that optimizes performances.

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