Profit Optimize Your Inventory

4R uses machine learning, AI, and advanced analytics to help retailers increase profits from their omnichannel inventory.

Assortment Optimization	Phantom Inventory	Seasonal Allocation	DC Replenishment
Initial Buy	Store & Omni Replenishment	Vendor Order Optimization	Markdown Optimization

Demand Planning

MACHINE LEARNING • AI • PRESCRIPTIVE ANALYTICS

Demand Planning

4R's Demand Planning solution is a flexible forecasting system that works as a standalone solution or can be integrated into other applications. The forecasts generated by 4R's algorithms are the foundational logic to support the execution of all our other solutions.

Phantom Inventory

Phantom Inventory is a common retail industry expression for goods that inventory accounting systems consider to be on hand but are not actually available for purchase. This solution helps retailers target stores, items or specific root causes of phantom inventory.

Assortment Optimization

Using machine learning and other advanced analytical techniques, we can tell which products will sell best at every location, including items possessing attributes that may not currently be part of your assortment.

Seasonal Allocation

"Rush and be wrong, or wait and be late." Our Seasonal Allocation solution helps retailers avoid this quandary while reducing lost sales, minimizing the need for markdowns, and maximizing sales revenue.

DC Replenishment

In order to determine how much inventory to hold at a DC, you need to know the true demand on that DC. Our solution leverages real time data to determine the most effective DC reorderpoint.

Store & Omni Replenishment

With 4R's Replenishment Solution, there is no guessing. The right answer is the most profitable answer, and we know how to find it, for every item, at every location, every week.

Initial Buy

Initial Buy helps retailers achieve maximum seasonal profitability by evaluating the financial outcome for every possible combination of SKUs.

Vendor Order Optimization

By leveraging profit-optimal store reorder points and DC fill rates, this solution results in true omnichannel profit optimization.

Markdown Optimization

The Markdown Optimization allows retailers to accurately predict how much is going to sell, and when, by using the most relevant information at any given point in time.

Inventory Benchmark

We incorporate your recent past data into our solutions, which show you just how much profit improvement you would realize by using 4R's replenishment solutions.