

A composite image showing a human hand on the left reaching towards a white robotic hand on the right. The background features a grid of light lines and a blurred image of a warehouse with stacks of red and blue shipping containers and a white truck.

Intelligent Inventory Optimization

SUPPLY CHAIN
PLANNING AS A SERVICE

PaaS

Realize the benefits of AI-powered forecasting and planning processes with minimal IT involvement or investment.

The Promise of **Artificial Intelligence (AI)** and **Machine Learning (ML)**

AI and ML have had proven applications in the retail industry.

Businesses are beginning to see the value in using new data and AI to improve supply chain management, forecasting and inventory planning processes and the customer experience. AI-powered planning technologies provide insights that give retailers a holistic view of supply chains that aligns the merchandising and supply chain functions.

With a “single source of truth,” retailers can make better supply chain decisions to build and execute optimal inventory plans within the organization and across trading partner channels and relationships.

However, bringing together the vast amount of data from multiple systems to be available for AI to translate complex supply chain, operational, and consumer data into actionable insights requires powerful tools and appropriately skilled resources. And due to the talent shortage, finding, training and retaining staff with the appropriate data science and analytical skills is a huge challenge within the industry today.

Without the right tools, process and staff to create accurate demand forecasts quickly and deploy optimal assortment, replenishment and allocation plans, retailers will struggle to operate a successful supply chain management organization. Some companies have built their supply chain management capabilities from the ground up. Others have adopted innovative SaaS-based technologies and have in-house staff trained. However, due to the shortage of supply chain experts and the notoriously high-turnover of supply chain staff, some companies turn to Supply Chain **Planning as a Service**.

Supply Chain Planning as a Service

Let 4R Harness the Power of AI/ML Planning for You

What is Supply Chain Planning as a Service?

Supply chain planning uses forecasts to develop demand plans that optimize inventory levels and their allocation across locations. Successful supply chain management organizations have a holistic view of the supply chain and successfully get the right products, in the right quantities on the right shelf, at the right time, in every store.

If supply chain planning is the process that manages the supply needed to support demand requirements, then Supply Chain **Planning as a Service** is an outsourced solution and service model, where external experts execute all aspects of the process and help companies achieve operational excellence. Supply Chain Planning as a Service helps companies gain control of their supply chain through leading practices and expertise.

Planning as a Service creates supply chain organizations that manage agile and sustainable supply chains. It puts the right people, processes and tools in place to achieve **Supply Chain Operational Excellence**.

THE 4R MODEL OF EXCELLENCE

Building a Successful Supply Chain Operation Requires
5 Fundamental Operational Excellence Practices



Gain Control of Your Supply Chain Planning Process

PLANNING SOLUTIONS



Predictive Demand Planning

Machine Learning-based forecasting solution that maximizes profitability and supply chain efficiency.



Replenishment Planning

Multi-echelon inventory management that is guaranteed to maximize profit across all channels.



Allocation Planning

The right amount of inventory to the most profitable locations at the right time to maximize sales and minimize stranded inventory.



Assortment Optimization

Optimize product offerings at each store to meet consumer preferences and drive revenue growth.



Markdown Optimization

The optimal timing and depth of end-of-season and end-of-life markdowns to achieve merchandising goals.



Vendor Order Optimization:

Enable buyers to make informed decisions on buying requirements when executing demand, replenishment and allocation plans.

PLANNING SERVICES

With 4R Planning as a Service, the team that built the 4R solutions is the team that provides planning services to increase the rigor of your operations management, providing greater predictability and reducing risk.

The team comprises seasoned experts who complement AI/ML algorithms and technology with human intelligence and human interaction in your forecast and planning process. We bring leading practices and focus on the things that matter, like forecasting and monitoring plans, acting on service level exceptions to optimize inventory and replenishment cycles and mitigate risks of overstock and lost sales.



Intelligent Inventory Optimization

Why Choose 4R?

The 4R suite of AI-powered supply chain management and inventory optimization solutions and planning team are meeting the challenge of today's turbulent consumer markets.

Best-in-class supply chain planning and operations personnel who provide leading practices and guidance in a consistent, predictable cadence and cost

Single point of accountability for application maintenance and updates, continuous improvement of core demand planning function and SLAs designed to ensure high-availability

Enhanced alignment of supply chain ecosystem requirements with talent management

Unparalleled experience and unique blend of strategy, process, and technology skills to link strategic intents to business outcomes

Are you achieving these type of benefits* for your business?



**INCREASE SALES
BY
12-18%**



**INCREASE PROFIT
BY
6-10%**



**REDUCE INVENTORY
CARRYING COSTS
BY
2-8%**



**REDUCE
STOCK-OUTS BY
14-25%**



**REDUCE
MARKDOWN LOSS
BY
12-20%**

***4R benchmarking results from 40 clients**

“One of my favorite parts of working with 4R is the Customer Success team. I know by the time I get to that Thursday meeting, I’ll have a good sense of where that next week is headed..”

*~ Jared Brown, Senior Analyst
Aubuchon Hardware*



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