

Aggregate Supply Planning

The Kinaxis[®] RapidResponse[®] Aggregate Supply Planning application lets supply planners align collective supply to the consensus-generated demand plan, ensuring continuous alignment.

With the Aggregate Supply Planning application, you'll know sooner if your demand plan can support the key material and capacity constraints, like long lead-time and/or single-sourced components, outlined in the supply plan. If it can't, RapidResponse makes resolving conflicts and eliminating gating issues simple with adaptive collaboration right in the platform. Concurrently plan with colleagues across business functions to make sure supply and demand plans align. Everyone will be on the same page and using the same up-to-date data for reference.

Business outcomes

- ▶ Early identification and proactive management of discrepancies between the consensus demand and aggregate supply plans
- ▶ Quick, complete feasibility evaluation of the aggregate supply plan in relation to material and capacity constraints*
- ▶ Informed tradeoffs between supply, demand and inventory risks at the product, regional or channel level
- ▶ Directly integrate the aggregate supply plan into S&OP, capacity planning (constraints) and MPS processes for effective demand and supply rebalancing

“ We've seen planner efficiency gains of 40% + with RapidResponse. ”

Executive

Large Enterprise Electronics Company

Application process components

The out-of-the box Aggregate Supply Planning application supports these process steps:

1 Review and resolve supply plan shortages

- Collaborate on gating key components (optional Master Production Scheduling application)
- Collaborate on gating key constraints (optional Capacity Planning (Constraints) application)

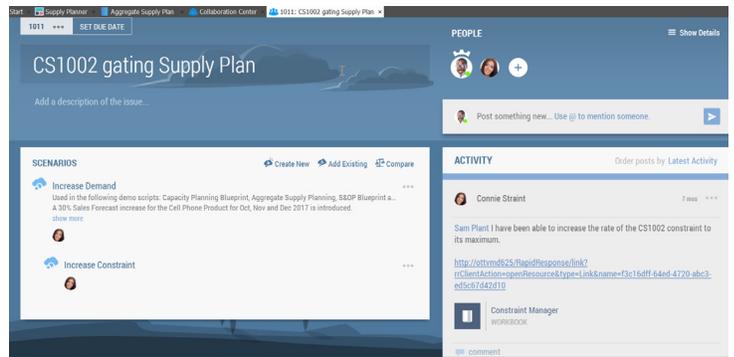
2 Review and resolve supply plan excess

- Collaborate on supply plan excess (optional Master Production Scheduling application)

3 Finalize and publish constrained supply plan



Aggregate supply plan dashboard



Collaboration Center



Aggregate supply plan

Aggregate Supply Plan										
Increase Demand										
Supply Gating Components										
Gating Item	Supply Site	Responsible	Stock in Other Sites	Orders	First	Last	Shortage	Revenue	Margin	Impacted
1	D3712	E3002	Martin Vanger	Yes	3	10-23-17	10-30-17	18,997	\$23,635,727	\$23,635,727
2	P3000	R2002	Arya Stark	Yes	2	10-23-17	10-30-17	51,994	\$23,635,727	\$23,635,727
3	L1500-11	R1001	John Snow	Yes	1	10-30-17	10-30-17	8,529	\$4,255,753	\$4,255,753
4	L1500-12	R1001	John Snow	Yes	1	10-30-17	10-30-17	5,160	\$2,633,266	\$2,633,266
5	L1500-21	R1001	John Snow	Yes	1	10-30-17	10-30-17	3,432	\$1,969,754	\$1,969,754
6	L1500-22	R1001	John Snow	Yes	1	10-30-17	10-30-17	1,722	\$1,074,897	\$1,074,897
7	L1500-11	R1003	Liesel Meminger	Yes	1	10-30-17	10-30-17	2,090	\$1,042,746	\$1,042,746
8	L1500-12	R1003	Liesel Meminger	Yes	1	10-30-17	10-30-17	1,272	\$698,564	\$698,564
9	L1500-21	R1003	Liesel Meminger	Yes	1	10-30-17	10-30-17	842	\$483,403	\$483,403
10	L1500-22	R1003	Liesel Meminger	Yes	1	10-30-17	10-30-17	422	\$263,438	\$263,438

Aggregate supply plan details

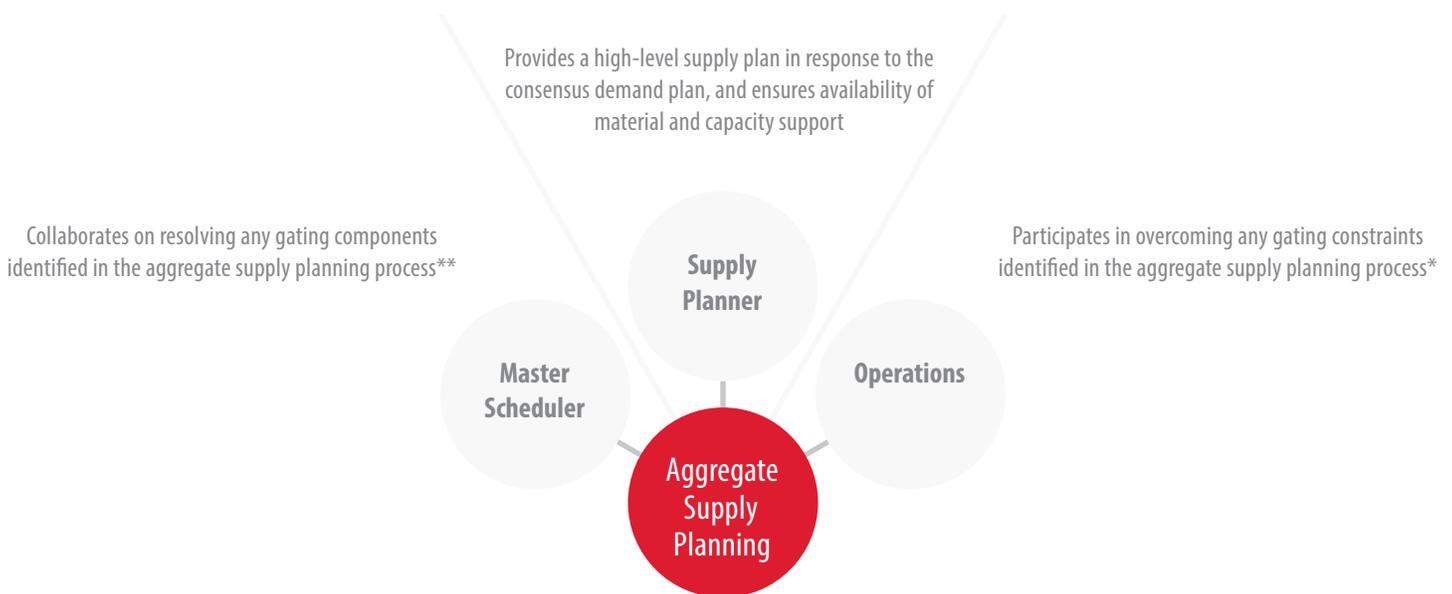
Managing performance

Standard measures include revenue, margin, inventory value, on-time delivery and constraint utilization as well as metrics associated specifically with aggregate supply planning. This allows for focused analysis of the performance measures most applicable to the function at hand. Measures presented in the Aggregate Supply Planning dashboard include:

- ▶ **Revenue Missing Period:** Summary of the value, by period, of revenue expected to be late.
- ▶ **Supply Plan at Risk:** Summary of the count of parts, by period, where the supply plan is unobtainable due to material or capacity constraints.*
- ▶ **Overloads & Underloads:** Count of overloaded or underloaded constraints, by period, broken up into key constraints and other constraints.*
- ▶ **High & Low Inventory Violations:** Summary of the value, by period, of inventory that exceeds or is below target levels set in the annual plan.
- ▶ **Excess & Obsolete Value:** A time-phased measurement of the excess or obsolete value over a horizon.

Cross-functional collaboration

In the Aggregate Supply Planning application, collaboration occurs across these functional roles:



Kinaxis RapidResponse allows companies to concurrently plan, monitor and respond on one platform, across business functions.

With a single data model and analytics engine, RapidResponse offers an array of supply chain applications all easily accessible through a common user interface. Using our single product, instead of individual disparate software solutions, our customers gain end-to-end supply visibility and the agility to respond quickly to changing conditions. The result is significant operating and cost efficiencies.

Deploy RapidResponse applications individually or together. Designed to be highly configurable, you can easily adapt our applications to meet your company's unique business needs without the heavy burden of ongoing custom coding.

What's next on your supply chain journey?

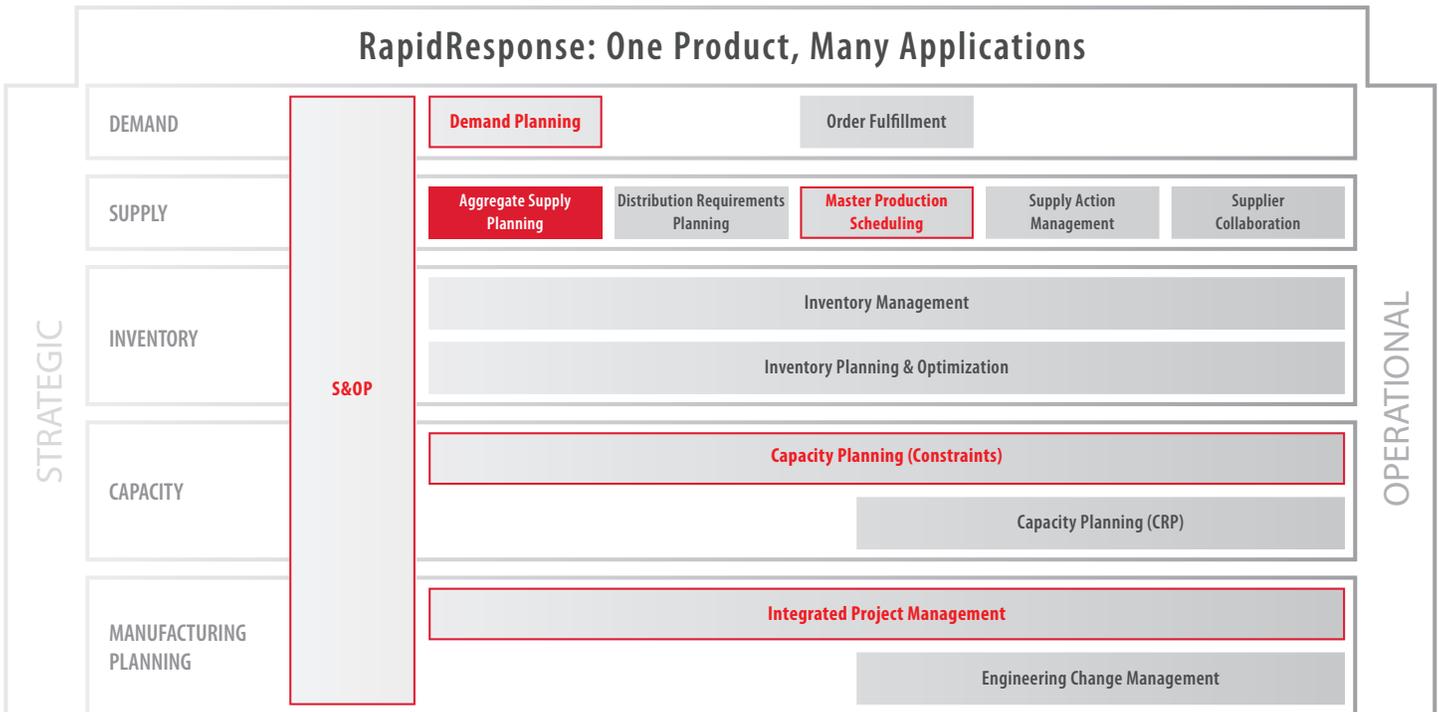
Choose the path that's right for your organization. With all our applications running on the single RapidResponse platform, you have the flexibility to deploy at your own pace. We'll help you mature your planning processes, wherever you happen to be in your supply chain journey. Achieve added benefits by using the Aggregate Supply Planning application alongside one or more related applications to ensure synchronization across interrelated planning processes.

Organizations that use the Aggregate Supply Planning application can achieve even more value by using it with the S&OP, Demand Planning, Capacity Planning (Constraints), Master Production Scheduling or Integrated Project Management applications.

“RapidResponse has reduced the cycle time for producing a supply plan for operations by half, while allowing for greater supply/operational plan accuracy.

IT Systems Analyst

Large Enterprise Telecommunications
Equipment Company



Revolutionize your planning with Kinaxis RapidResponse

Offering the industry's only concurrent planning solution, Kinaxis is helping organizations around the world revolutionize their supply chain planning. Kinaxis RapidResponse, our cloud-based supply chain management software, connects your data, processes and people into a single harmonious environment. With a consolidated view of the entire supply chain, you can plan expected performance, monitor progress and respond to disconnects when reality hits. RapidResponse lets you know sooner and act faster, leading to reduced decision latency, and improved operational and financial performance. We can prove it. From implementation to expansion, we're here to help our customers with every step of their supply chain journey.



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*applicable when Capacity Planning (Constraints) application is purchased

** applicable when Master Production Scheduling application is purchased

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