

Fulfillment Capacity Planner

Analyze and optimize the impact of demand events on your fulfillment processes

The COVID-19 pandemic pushed consumers' dependence on e-commerce markets to an all-time high and will likely set a new consumer baseline. This increase in volumes also comes with the continued expectation of fast delivery regardless of the demand variations challenging your supply chain. Fulfillment center capacity is at a premium and the impact of planned and unplanned demand events are impacting both cost and service like never before. Put your team back in control.

As fulfillment centers now act more like factories than physical places to store product, managers often struggle with current systems or spreadsheets to identify and alleviate potential backlogs, bottlenecks, high labor costs and service issues on a weekly basis. With smart use of advanced AI algorithms and data from operational systems, you can provide better analytics to managers to enable scenario testing for informed decision making—including planning for demand events from the start.

Consistently Optimize the Use of Key Operational Capacity Levers

LLamasoft's Fulfillment Capacity Planner equips fulfillment center managers with the ability to quickly conduct granular what-if analysis to balance service levels during demand variations, considering all key operational levers. Users spend less time gathering and assimilating all relevant data feeds and more time determining the best capacity, labor and processes to mitigate fulfillment issues before they happen.

Focuses on Fulfillment Center Order Processing Times

Accounts for Machine and Labor Capacity

Incorporates Flexible Process and Prioritization Policies

Fulfillment Capacity Planner App

We've developed this solution specifically for e-commerce fulfillment operations. Data-driven insights support managers as they:

Measure Service

- Determine achievable service levels, given demand and capacity
- Understand service level impacts for key customer segments

Optimize Labor

- Create optimal labor plans (including part-time and temp)
- Allocate labor (down to daily or shift-level)
- Set labor cost targets

Support Agile Allocation

- Define opportunities for rerouting orders
- Analyze the impact of suspending returns

Custom What-If Capabilities

- Evaluate unlimited custom scenarios trading off cost and service objectives amongst operational settings

LLamasoft Rapid Apps

1

Purpose-built for rapid time to value

2

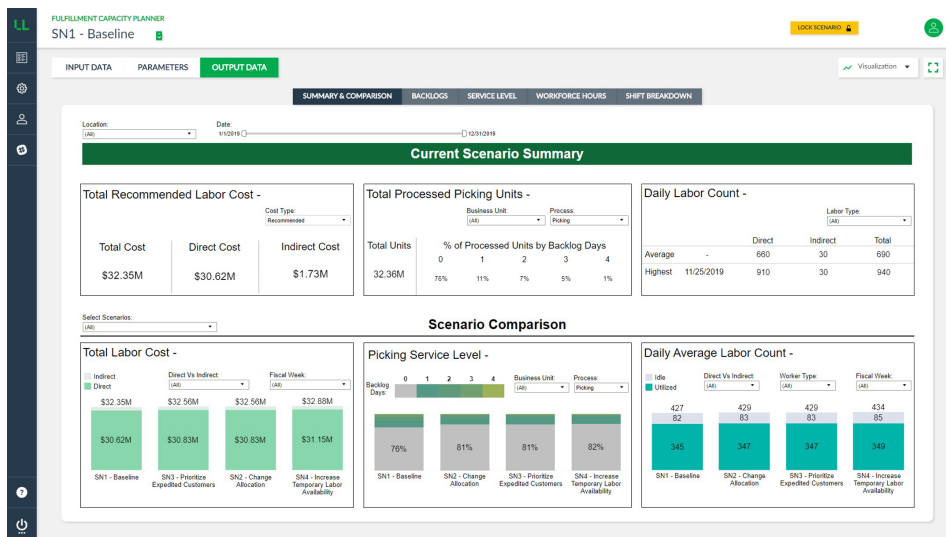
Flexible deployment options

3

Stand-alone or part of the llama.ai suite

4

Demonstrate success with valuable use of AI



With rapid time to value (~four-week implementation time) and a short user learning curve, managers are quickly armed with the intelligence needed to combat the many complex fulfillment issues with the power of AI.

To learn more about how LLamasoft can provide the analytics you need to achieve desired service levels, contact us at <https://llamasoft.com/fulfillment-capacity-planner-app/>.