# Autonomous Planning & Execution (APEX)

## Integrating S&OE and S&OP Processes

### OVERVIEW

- Palantir Foundry can be deployed to integrate the Sales & Operations Execution and Sales & Operations Planning processes.
- **Autonomous Planning & Execution (APEX)** informs planning processes with proactive alerts regarding execution in almost real-time.
- Solutions are automatically deployed in the face of supplier delays or production failures.
- The result is increased plan attainment, OTIF improvement, and a more resilient supply chain.

### CASE STUDY

Palantir Foundry's **Autonomous Planning & Execution (APEX)** solution created more than **$100M** in value at a Fortune 100 CPG company in 6 months.

In addition, Foundry APEX powered the organization to:

- Identify and prevent over **$69M** in shorted sales orders when there was inventory in the network.
- Re-distribute over **$15.6M** of stranded inventory at risk of timing out.
- Replan consumption of **$3M** worth of stock that was being consumed out of rotation and would expire before projected demand consumed it.
- Automatically plan and execute over **9,700** movements to make the above happen.

### CONNECTING DATA TO OPERATIONS

Most supply chain landscapes are split into two major silos – planning and execution.

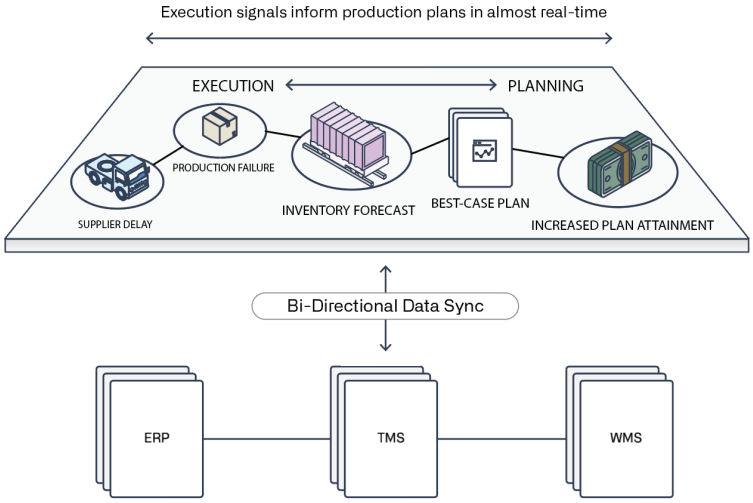
Planning occurs in isolation, often many weeks ahead of execution.

When execution takes place, some elements of the plan are updated. Most tools and processes do not project forward impact, instead focusing on fixing issues in their immediacy. Often, the batched and siloed nature of these processes means that potential execution issues are observed too late to inform planning processes.

Palantir Foundry integrates ERP, TMS, and WMS data to understand how you are tracking relative to your execution plan at any point in time. It projects where discrepancies in forecasted inventory are going to occur and does so by gathering signal at its root cause (for example, a production step yielded below target, or a supplier let you down and delivered only 40% of your order).

As these signals are detected, the forecast best-case plan is updated and solutions for issues are suggested by Foundry. In tandem, Foundry updates your sources of truth so that existing optimization processes are also refreshed and solve for the newly identified inventory issues.

Foundry's **Autonomous Planning & Execution (APEX)** solution can increase your reaction window from less than 24 hours to weeks, allowing for plans to be put in place. As a result, plan attainment and subsequently OTIF can increase considerably.




Reach out to business@palantir.com to learn how Palantir Foundry can be deployed to optimize your organization's supply chain processes in real-time.

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