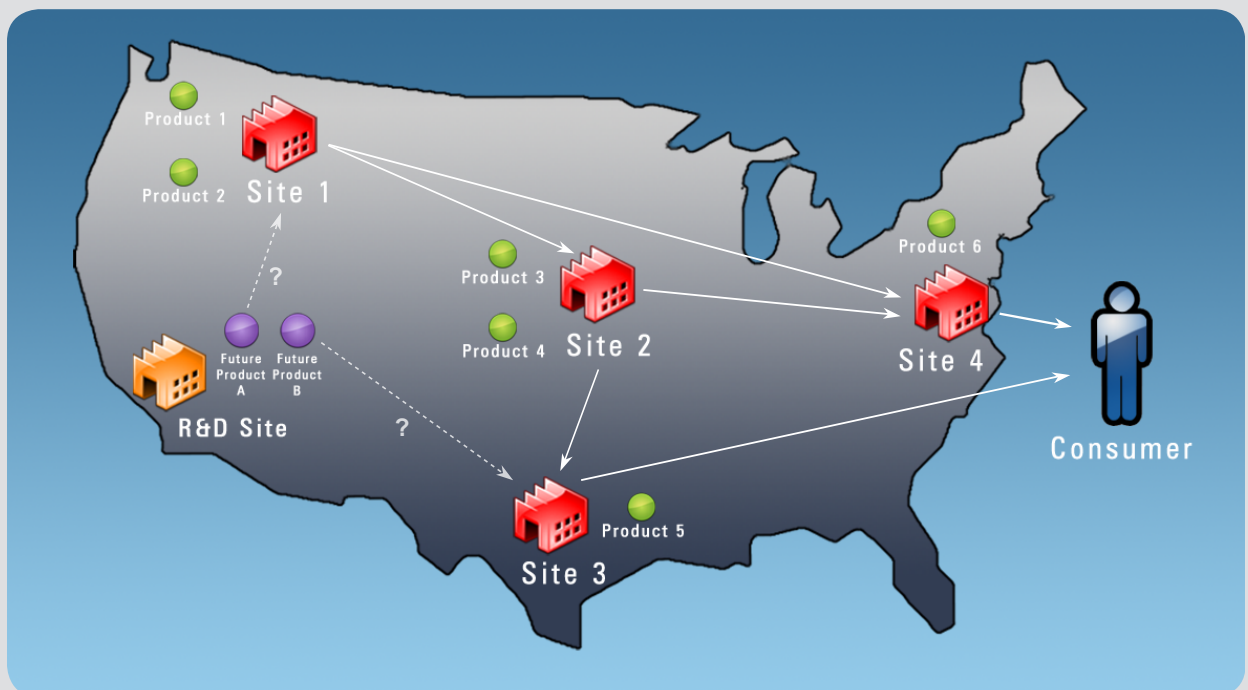


Do your Capacity Planners struggle with any of these questions?

- How will a new product impact our over-utilized facilities?
- How do our production network inter-dependencies impact the system?
- What if the product launch date is delayed?
- Which stage(s) in the manufacturing process should be contained at which site(s)?
- What would the impact be if we moved a product from one site to another?
- What if the new product demand exceeds market forecast?
- How can we effectively use our excess capacity?
- How and when will Loss of Exclusivity (LOE) affect our projections?

If so, you're not alone. ProModel's Pharmaceutical Manufacturing Team has partnered with Pharma Manufacturers to provide customized simulation technology based answers to these questions and so many more.



Partial Pharmaceutical Client List:

- Pfizer
- Merck
- Amgen
- Genentech
- Wyeth
- Bristol Myers Squibb
- GlaxoSmithKline
- Almirall
- Teva
- Astellas

What-If you could make better capacity forecasting decisions – faster?

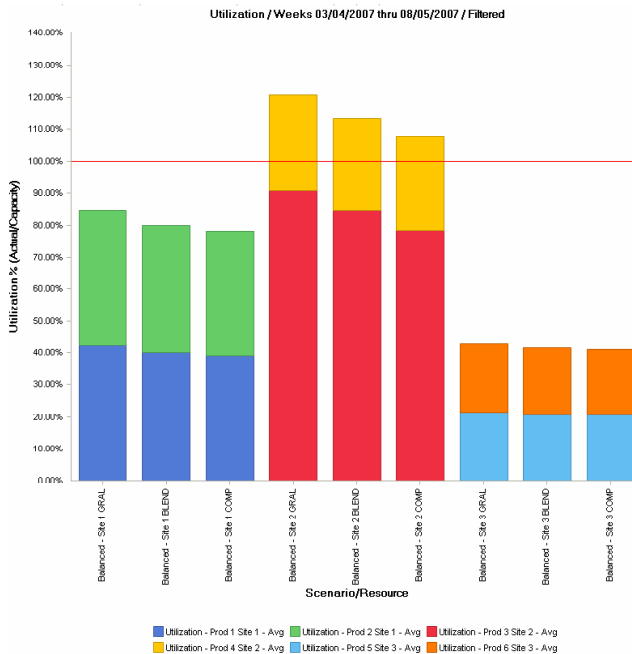
We can't predict the future, but we can provide the framework that captures the high level of risk associated with the impact of a constantly evolving set of conditions that affect your production network.

ProModel offers a simulation-based Strategic Capacity Forecasting solution customizable for the Pharmaceutical Industry. This solution provides scenario comparison capability, so your team can visualize, analyze, and optimize your production network at a level of detail and accuracy that instills confidence across the enterprise:

- View capacity and throughput at the key process areas across multiple sites
- Evaluate an unlimited number of market demand profiles
- Calculate the impact of adding or subtracting sites on the network
- Experiment with variable product launch dates
- Compare the cost over time of manufacturing in-house or outsourcing
- Determine your best options as products approach their Loss Of Exclusivity (LOE).
- Define prioritization strategies
- Compare scenarios and custom “what-ifs” in minutes to see the net effect of current or future changes.

Example Comparative Scenario- Product/Site Utilization Analysis

Scenario 1: 3 sites each manufacture two different products.
 Site 2 is more than 100% utilized – customer delivery is compromised



Scenario 2: Same 3 sites; Site 1 manufactures two products, Site 2 one product and Site 3 three products. No site is more than 100% utilized – customer delivery is accomplished.

