



BLOOD PLASMA LOGISTICS OPTIMIZATION WITH ANAPLAN

Takeda, with global headquarters in Tokyo, Japan, is a pharmaceutical company that manufactures treatments, vaccines and therapies for various diseases with the process of blood plasma fractionation. Takeda is the largest pharmaceutical company in Asia, and one of the top 3 plasma fractionators globally.

Using blood plasma that is collected from over 200 collection centers around the world, Takeda has 8 manufacturing plants that produce these products for the medical industry.



INDUSTRY
Pharmaceutical



USE CASE
Inventory and Process
Optimization



TECHNOLOGY
Anaplan

CHALLENGES

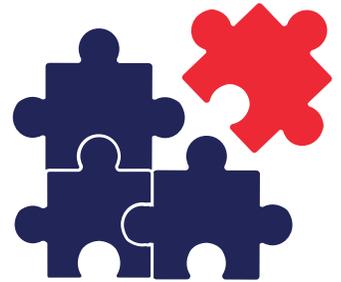
The original business process for the distribution of blood plasma consisted of several MS Excel based spreadsheets. These spreadsheets were created in a manual and tedious optimization process that was mostly a 'trial and error' exercise. Because there is more than one solution during a given planning cycle, the business had a difficult time defining what the optimum solution actually was. This created a challenge to automate the entire process from start to finish.

In addition, because of the nature of the blood collection process, there are many constraints that needed to be considered when trying to optimize the distribution. Some constraints are related to the collection centers (i.e. how often can they be switched from one consignee to another) and others are related to the equipment being used to collect the blood plasma, and which production centers support that equipment.

SOLUTION

Takeda partnered with Accelytics to create an efficient, automated distribution process using Anaplan. Forecasts for the various collection centers are imported into the system and a shipping plan is created. From that point, the projected inventories of plasma are aged and compared to the production plans from each plant. The balance of supply versus demand is shown as a 'surplus / shortage' for each location.

The Anaplan model then sorts through all of the many constraints and provides a list of optimum changes to make to the center consignee status and the center collection container type. The end user then makes a choice as to how to best optimize the current plan from the suggestions provided by the model.



RESULT

With improved efficiency, automation and centralized data storage, the new optimization model resulted in major improvements in the user experience. It also provides added visibility and deeper insights into the business process that allows the end user to focus on the task itself, rather than manipulating data in spreadsheets.

The new optimization process saves Takeda valuable time, being 3 times faster than the original process. Takeda was impressed with the initial deployment for the US operations and extended the solution to their team in Europe. Accelytics created a second Anaplan model with new business processes that connected the models and the teams from US and Europe together.



Accelytics stands for "accelerated analytics." Our team specializes in business process optimization and technology enablement within the scope of supply chain, sales performance management, and financial planning and analysis.

Accelytics leverages its Accelerated Approach methodology to help clients establish industry focused sustainable processes while using technology as a true enabler to the process.

Our experienced team delivers a broad range of services to help clients throughout their entire transnational journey. We provide solutions that include business process optimization, technology enablement and support services.

Accelytics is headquartered in Houston, TX with offices in Dallas, Denver, Minneapolis and New York. Learn more at www.accelytics.com.