



**SYSTEMSOFT**  
TECHNOLOGIES™

CASE STUDY  
**OPTIMIZING BLOOD  
SUPPLY MANAGEMENT  
WITH BI TECHNOLOGY**

3000 Bayport Drive  
Suite 840  
Tampa, Florida 33607

**Phone:** (727) 723-0801  
**Fax:** (813) 289-5359

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## Situation

*Every year, 108 million blood donations are collected globally, providing vital blood components such as red blood cells, plasma, and platelets to save countless lives.*

A leading healthcare solutions provider uses Radio Frequency Identification (RFID) technology to manage the blood supply from donors to patients across the globe. The traceability from donor to patient is crucial to ensure the availability and quality of blood products.

However, the high cost and short shelf life of platelets, with a transfusable lifespan of only five days costing up to \$500 per bag, presented a significant challenge for the customer to collaborate with blood centers and banks. In addition, supply uncertainty, demand volatility, and high shortage costs fueled the complexity even more. Managing inventory and minimizing waste while meeting the demand for these life-saving products was a major challenge.

Initially they used to manually check the expiration date on blood units and send email alerts to manage the inventory. But this method was inefficient and inadequate for managing such a valuable and time-sensitive product. The need for a digital portal or dashboard for real-time data visibility and information exchange became apparent to improve operational efficiency and future growth.

### Strategy

To lower costs, minimize waste, and improve product selection, the customer decided to revamp its analytics platform. By providing their customers, including blood centers, blood banks, hospitals, and pharmacies, with a reliable dashboard for visibility into inventory management throughout the supply chain, they aimed to optimize the management of vital resources and reduce waste. In order to achieve their goal, they partnered with System Soft to design and deploy a business intelligence (BI) portal, which was cloud-based and featured an innovative digital user experience. The dashboard was successfully deployed in under five months following several rounds of testing and refinement.

## Outcome

The newly implemented analytics platform offers a measurable, visual, and customizable dashboard to empower decision-makers to manage their operations using data generated or collected by the company's databases. The new system has enabled both the customer and blood centers to have visibility into all stages of the blood component supply chain. This eliminates the need for manual inventory tracking and allows for easy access to product and patient information by scanning RFID tags via a digital platform, from any location and on any device, while ensuring real-time and secure access. The digital transformation of routine processes into actionable data has led to increased operational efficiency and improved inventory management.

## Conclusion

Implementing a BI portal solution can greatly benefit organizations by centralizing data, reducing inventory waste, saving costs, and freeing up employees from manual, time-consuming tasks. By leveraging data analytics technology, organizations can obtain valuable insights into their operations and make data-driven decisions that can enhance their overall efficiency and productivity. To explore further how a BI portal solution can benefit your organization, get in touch with System Soft and its solution experts. [Contact us today.](#)

# ABOUT SYSTEM SOFT

## OUR SUCCESS STARTS WITH YOU

At System Soft, we are a family unit powered by diversity, inclusion, transparency, respect, integrity and passion for our clients and our people. Our business growth depends on your professional development, as we collaborate, share ideas and innovation, and invest in our future. By forging a meaningful partnership with our people, we come together with the same purpose, exceeding our goals. This keeps us nimble, ahead of the competition, and on top of our industry. Our continued success begins with you.

## Accelerating Innovation.



Gold Cloud Platform  
Gold Cloud Business Applications  
Gold Cloud Customer Relationship Management  
Gold Enterprise Resource Planning  
Gold Application Development



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### CORPORATE OFFICE

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Tampa, Florida 33607

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