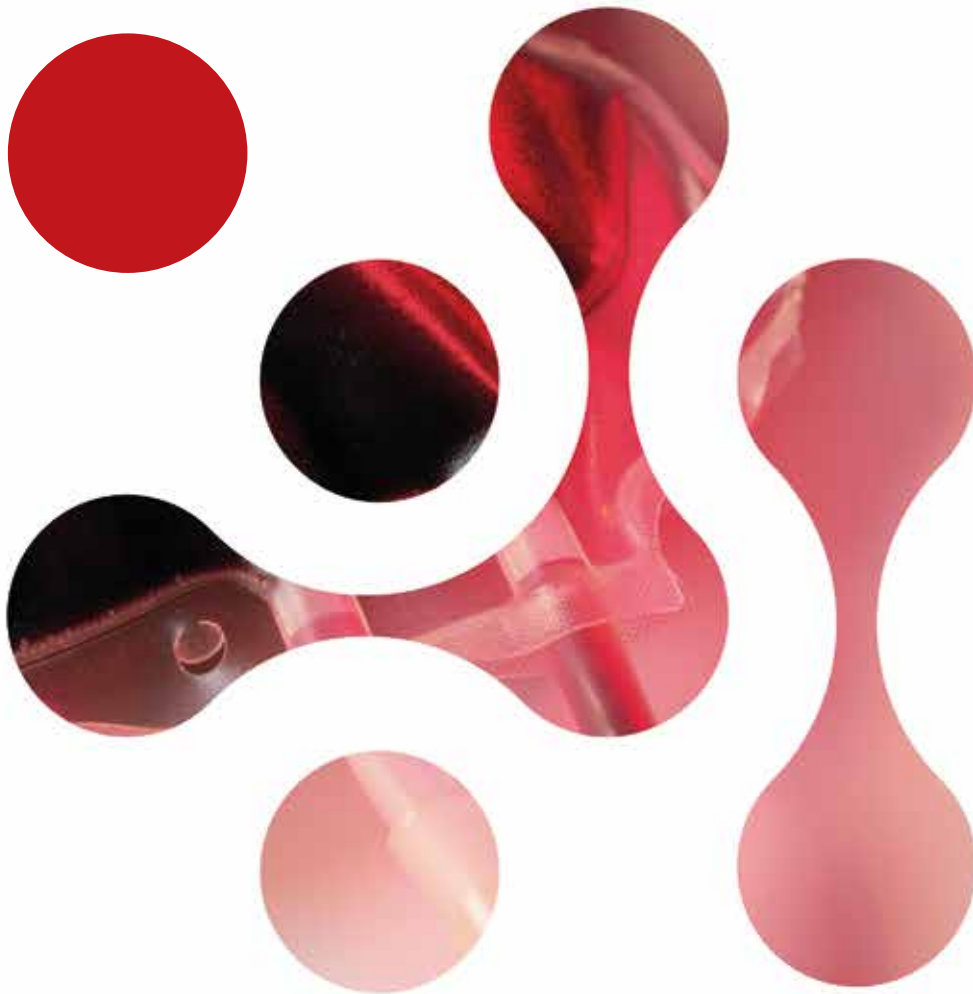


BIOLOG)) TRANSFUSION

RFID BLOOD SUPPLY MANAGEMENT



TRANSFUSION

biolog))id

Connecting healthcare to empower people

BIOLOG TRANSFUSION

RFID BLOOD SUPPLY MANAGEMENT



RFID SMART STORAGE KITS (SST)

- Designed for industry-standard blood component storage Refrigerators (SST-R), Freezers (SST-F) and Agitators (SST-A)
- Designed to replace existing shelving within current units (retrofit)
- Each shelf equipped with RFID readers/writers to communicate with & locate the blood components
- Embedded software (Linux® SoC) to record log of storage and blood component movement



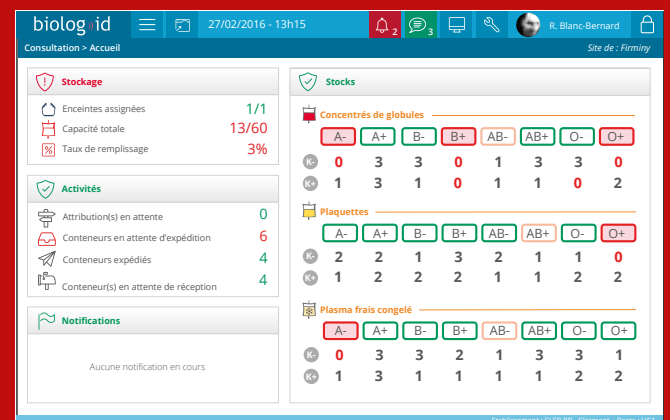
EQUIPMENT

- RFID readers/writers: USB/IP plates & tunnels with anticollision, optional automated barcode reading
- Wireless T° monitoring (-35°C/+85°C): RF data loggers (EN12830) & USB/RF modem (RF 868/915 MHz)



RFID SMART LABEL

- Passive HF RFID Tags (13.56 MHz, ISO15693, ISEGA compliant)
- Flexible formats to meet different needs, available as stand-alone inlays or integrated under product label
- Unlimited updates & data protection ensuring safe and secure information flow



SOFTWARE

- Real-time information system for blood inventory management
- Easily interfaced with and complementary to local software (blood centers & hospitals)

- A solution developed to **optimise the transfusion process** and keep it **safe and secure**.
- A simple and smart technological response to **improve and secure standard practices**.
- A **flexible solution** suited to **all transfusion centers, blood banks and healthcare facilities**

TRANSFUSION

- Secured release of the right product to the right patient
- Verification & history of who releases the product
- X-match module for bedside check & transfusion data registration

STORE & RELEASE

- Remote inventory management & real-time stock visualisation
- Automated movement monitoring & exit times tracking
- Reassign unused blood products to a new patient

TRANSPORT

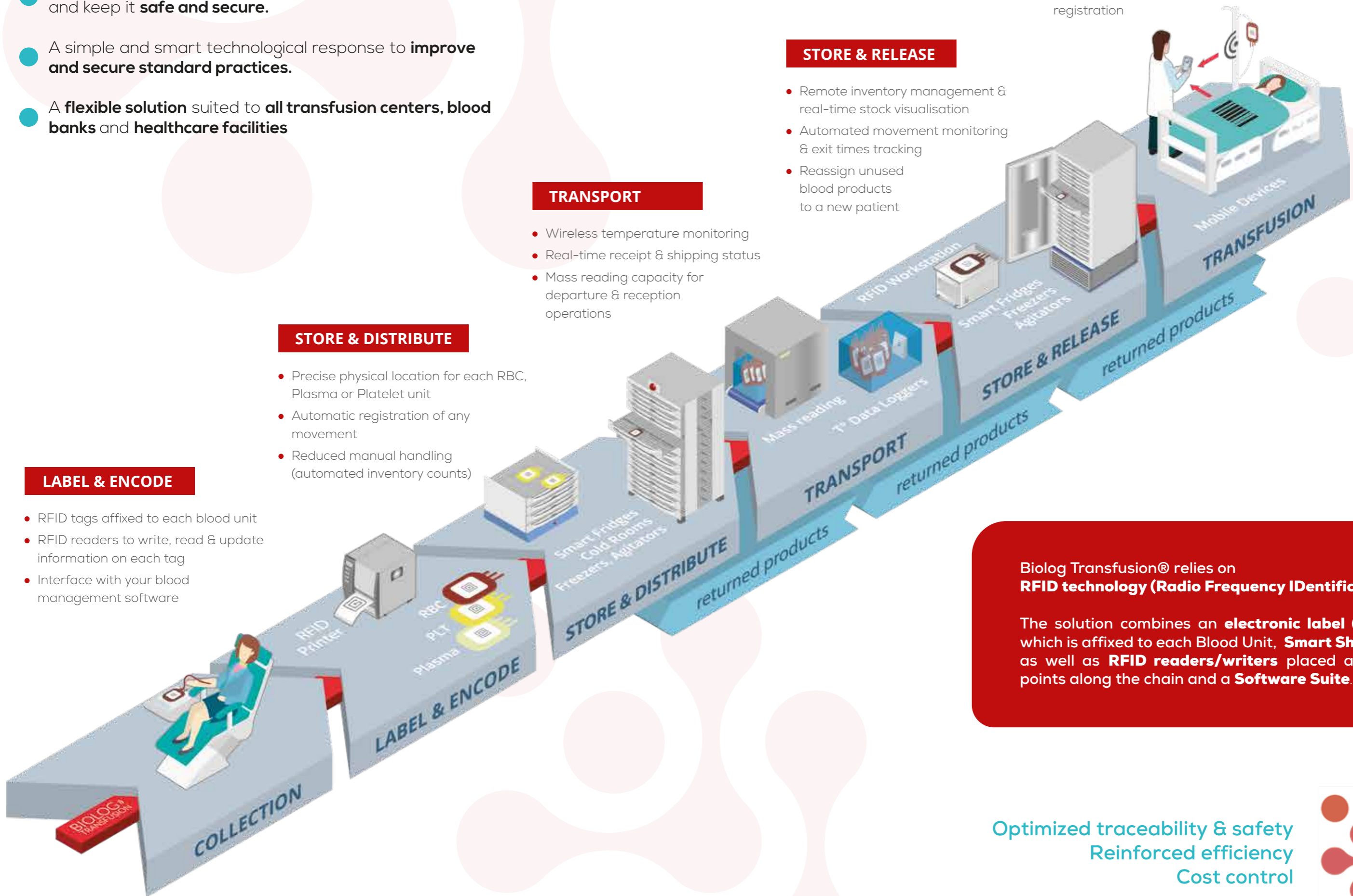
- Wireless temperature monitoring
- Real-time receipt & shipping status
- Mass reading capacity for departure & reception operations

STORE & DISTRIBUTE

- Precise physical location for each RBC, Plasma or Platelet unit
- Automatic registration of any movement
- Reduced manual handling (automated inventory counts)

LABEL & ENCODE

- RFID tags affixed to each blood unit
- RFID readers to write, read & update information on each tag
- Interface with your blood management software



Biolog Transfusion® relies on **RFID technology (Radio Frequency IDentification)**.

The solution combines an **electronic label (RFID tag)** which is affixed to each Blood Unit, **Smart Shelving Kits** as well as **RFID readers/writers** placed at strategic points along the chain and a **Software Suite**.

Optimized traceability & safety
Reinforced efficiency
Cost control



BENEFITS

Optimized Quality & Safety

- Improved control of product traceability and temperature
- More flexibility, responsiveness and safety in the delivery of blood products
- Reduced risk of human error

Reinforced efficiency

- Remote inventory management
- Detailed view of local / distant stocks, in real time
- Product assignment to patients and re-assignment of unused products
- Real-time status of products in the various stocks

Cost control

- Automated inventory counts, improved productivity and efficiency
- Reduced transport costs through optimized inventory management
- Increased ratio of transfused products
- Savings in blood resource

PATIENT BLOOD MANAGEMENT

In the current patient-centered approach of transfusion medicine and **Patient Blood Management**, all their related activities should be embedded in a blood supply chain, starting with patients' needs and ending with transfusion of needed blood components to patients.

This blood supply chain comprises 2 main sectors: the hospitals - where transfusion is ordered by clinicians and administered to patients - and the suppliers, usually blood establishments, acting from donor management to blood components distribution.

As a matter of facts, it is obvious that the lack of communication between the different actors of the chain frequently hampers its effectiveness and efficiency.

In this context, we have developed BIOLOG»TRANSFUSION, a breakthrough RFID based innovation, that makes essential information on patients and blood products available in real time to healthcare professionals.

Thus, BIOLOG»TRANSFUSION streamlines the "vein to vein" **Blood Supply Management**, from donors to recipients for the primary benefit of patients and donors.

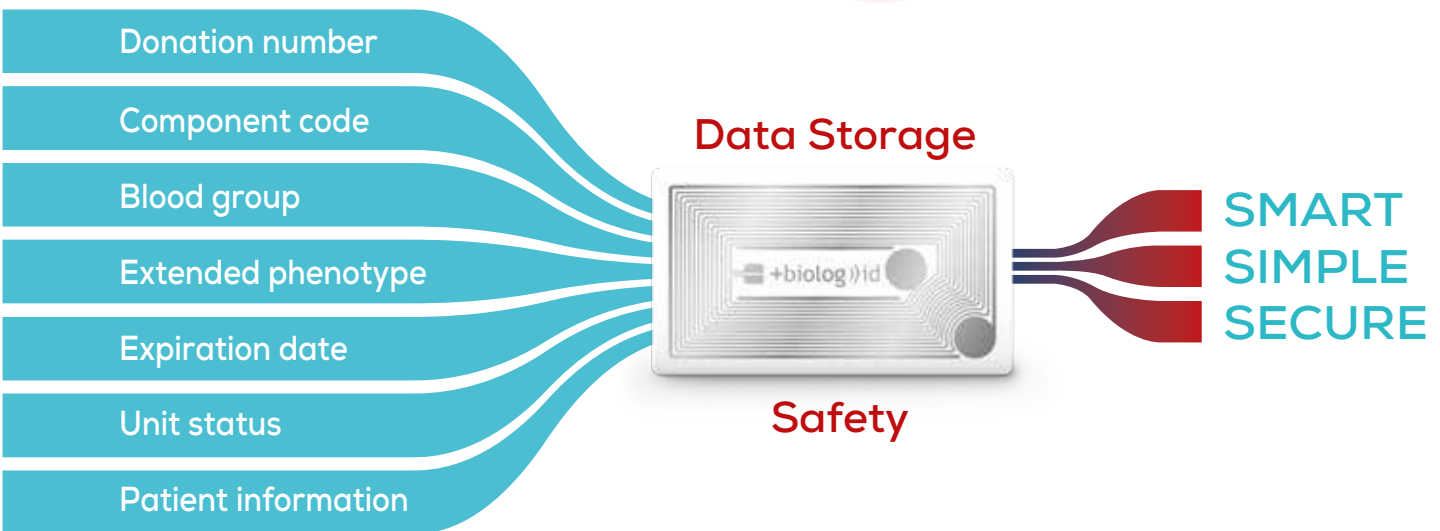
Biolog-id connects healthcare professionals to the information they need most, while helping them to improve quality, safety and efficiency.

BIOLOG»TRANSFUSION becomes an essential tool of your **Patient Blood Management** strategy.

BIOLOG)) TRANSFUSION

RFID BLOOD SUPPLY MANAGEMENT

Biolog Transfusion® increases efficiency and safety by connecting you with information that matters



biolog))id

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