

Ensuring Critical Blood Product Safety with ZulaFly



900 Temperature
Devices

99 Locations
in Australia

BACKGROUND:

Australian Red Cross Lifeblood (Lifeblood) is a not-for-profit organization that plays a critical role in Australia's healthcare system by providing a range of essential biological products and services. Their offerings include blood, plasma, and platelet donations, breast milk for premature infants, microbiota transplants, organ and tissue matching, and blood stem cell collection. Committed to innovation, Lifeblood also invests in research to enhance transfusion medicine, develop new products, and improve donor eligibility criteria.

CHALLENGE:

The National Safety and Quality Health Service (NSQHS) Standards set the guidelines for the safe storage of blood and other blood products. The Australian Red Cross Lifeblood manages 99 locations nationwide and needed to maintain precise environmental conditions to ensure the safety and efficacy of the life-saving blood products it provides. Given the critical nature of their services, any failure in temperature monitoring could jeopardize patient safety, disrupt operations, and result in severe regulatory consequences.

SOLUTION & IMPACT:

To meet these stringent demands, ZulaFly provides an advanced enterprise visibility platform for precise, real-time monitoring of all of Lifeblood's temperature-sensitive items. With 900 temperature devices across 99 donor centers, donor mobiles, and distribution facilities, ZulaFly's system ensures accurate monitoring and rapid response.

IMPLEMENTATION:

Summary of Implemented ZulaFly features ensuring compliance 24/7:

- ✔ **Unlimited alert escalation scheduling:** This enables Lifeblood to direct alerts to specific users during operating hours and to other designated groups during off-hours.
- ✔ **Strobe light and siren integrations:** Seamlessly enables siren and strobe lights, ensuring immediate visual and auditory alerts when temperatures or conditions fall out of acceptable ranges.
- ✔ **Real-time hardware monitoring:** Ensures all sensors and devices are always operational and provides instant alerts if any infrastructure or probes go offline.
- ✔ **Probe status management:** Probes are continuously monitored, with automated alerts for any failure, guaranteeing uninterrupted monitoring of sensitive products.

Additionally, ZulaFly offers flexible reporting capabilities, enabling Lifeblood to view data at an individual donor center level or across the entire organization, ensuring both localized and enterprise-wide visibility. The scalable system allows Lifeblood to easily add additional sensors and locations as their operations expand.

RESULTS:

- ✔ The ability to customize alerts, monitor system integrity, and maintain both local and national oversight has provided organizations the ability to maintain compliance, protect patient safety, and ensure the integrity of life-saving blood supplies across the globe.