



Serving the UK

Our vital computer system tracks the progress of a pack of blood from the time it leaves the donor's arm to the time it reaches the hospital.



What is PULSE?

Essentially it is a core software system that powers the blood donation lifecycle of NHS Blood and Transplant in England (including Jersey, the Isle of Man and Northern Ireland). Functionality includes:

- **Donor Management System** supporting the underlying administrative and production processes for donations.
- **Donor Session Planning** offers total control of the process to ensure targets can be achieved.
- **Laboratory Testing** for a safe and reliable blood supply.
- **Stock Management** provides accurate, real time information to blood service staff and the raw data for the NHS Blood Stocks Management Scheme.
- **Safe Dispatch to Hospitals** ensures that the right blood is in the right place at the right time making its role, quite literally, vital.
- **Flexible Configuration** enabling each blood service to tailor the system according to its specific needs without compromising underlying controls.

There is no life without a PULSE!

The PULSE Difference

Flexible : User friendly : Robust

According to NHS Blood and Transplant, 1.5 million donations are collected, tested, processed, stored and issued every year; and with more than 3500 active daily users of Pulse it is absolutely vital that the software driving and supporting the system is reliable and secure as well as user-friendly and robust.

The system continually updates and monitors nationwide levels, providing an archive of blood allocations and offers the user the facility to filter and refine searches - for example geographically, by component and by expiry date.

Pulse is hallmarked by its flexibility. While the software is compliant with all regulations and controls in this sector, data can be stored independently without compromising integrity - robust security features are embedded in the database.

It's an evolving technology: in the pipeline are plans to enhance traceability using state of the art electronic coding technology via radio frequency tagging and electronic session management using the latest tablet technologies.

At Savant, we are justifiably proud of our long contribution to safe and cost-effective blood transfusion.



Contact us to find out more about how Savant and PULSE can help you

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Software Solutions you can trust



Background to Savant Limited

Established over 25 years ago, Savant supplies software and database development and support services and consultancy expertise for life and business critical systems.

Savant has experience of implementing technologies for a wide range of infrastructures from national data centres to smart phones.

We work with our clients to deliver solutions that align to their strategic IT and business visions and can implement package solutions or develop bespoke solutions as required.

We provide consultancy and training in business continuity and have a software product Mataco for the implementation and maintenance of Business Continuity Plans.

We assist our clients at all stages to realise their software needs with our formal project methodology from requirements through application development, testing, training and ongoing UK based support and maintenance.

Examples from our project portfolio

PULSE - a blood establishment management system dealing with all aspects of blood and tissue donation and processing. Managing hundreds of millions of records and over 6,000 users, PULSE is the result of over 25 years development and is the world's largest centralised blood management system.

Hematos - manages the testing and cross matching of patients to therapeutic doses of stem cells and organs. Hematos runs aspects of NHSBT such as the British Bone Marrow Registry and NHS Cord Bank.

Mataco - is a cloud based business continuity software system that helps organisations create, maintain and access the plans that will keep them in business no matter what happens. The App based mobile access lets Mataco users get to their plans and documents whenever they need them.

Certifications & Partnerships

Savant Limited is certified to **BS EN ISO9001:2008** Quality Management Standard and the **ISO/IEC 27001:2005** Information Security Management Standard and is currently registered as **HP Alliance ONE Partners, Oracle Gold Partners, Business Continuity Institute Partners, Microsoft Partners** and **Motorola Enterprise Mobility Partners**.



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