



ORACLE®

Database and Software Migration

About the customer

Bio Products Laboratory (BPL) provides a continuous and competitive supply of high quality plasma-derived products to a growing global market. BPL is a not-for-profit organisation, wholly owned by the British Government. Its research, development, manufacturing and UK and overseas marketing departments are all based at Elstree on the outskirts of London.

As a Government-owned organisation, BPL is able to operate in the global health market with security and stability giving its customers and potential purchasers of plasma products a high degree of confidence in its integrity and its services.

About the project

Savant updated their bespoke Plasma Receipt System (PRS) which BPL could no longer continue to support internally.

As the name suggests, the **Plasma Receipt System** is used by BPL to facilitate the receipt, process and transfer of plasma from the original supplier through to the production department at BPL.

The main application elements of PRS are:

- DES (Data Entry System)
- CCS (Conveyor Control System)
- PUNDA (PRS US NAT Data Application)
- DataWorks
- MIS (Management Information System)
- Reporting

Savant carried out a two fold migration; the application was written in an early version of Delphi and used a previous version of the Oracle database. The application was migrated to Delphi 2005 and the database was migrated to Oracle 10g.

The existing Oracle 8 database was migrated to an Oracle 10g database using the export and import utility to extract the schema and the data. The data was extracted in a specific order to maintain the foreign key relationships between the tables.

The new database was moved to a Microsoft Windows 2003 server belonging to the customer, which was kept securely on site at Savant. Once the migration had been performed, the data was deleted leaving the schema intact and the server returned to the customers. When the application migration was complete the current live data was extracted and then loaded at the customer site just before the new version was commissioned.

With about a hundred tonnes of Plasma passing through the system on a monthly basis, it is important that all the above elements work together in a cohesive manner. It is vital that there is no possibility that any stored information could be incorrectly linked to the wrong plasma bottle.

In maintaining and supporting PRS we ensure it is always available when BPL need it and we ensure that PRS remains user-friendly and intuitive to use.