Scan4Surgery could not have been delivered without GHX. Their expertise in delivering end to end solutions for the health sector is unrivalled.

St James’s Hospital, Dublin
Introducing St James’s Hospital

St. James’s Hospital is the largest acute academic teaching hospital in the Republic of Ireland providing a comprehensive range of diagnostic and treatment hospital services to a population in excess of 300,000 at local, regional and national level. There is a strong academic commitment with Trinity College Dublin through the Trinity Health Sciences Centre which is located onsite.

St. James’s Hospital is committed to improving patient safety and to making the appropriate investments in world class systems and processes which will contribute to achieving this objective.

The Challenge

In 2016, SJH embarked upon the Scan4Surgery programme to implement comprehensive, end-to-end integrated business processes and systems based on industry best practice. The programme objectives were to build upon the successes of previous initiatives such as the National Haemophilia Project, HSE National Surgical Sterile Instrument and Endoscope Tracking Solution and an RFID solution for tracking patients and assets throughout the hospital campus.

Scan4Surgery aims to deliver:

- Product Traceability
- Significant reduction in product expiration
- Improved patient experience through increased nursing time, and higher efficiency in Theatres supply chain
- Operational efficiencies, such as:
  - Managed inventory levels to fully automate replenishment
  - Activity based funding analysis to provide the capability to identify all costs through the care pathway
  - Theatre space optimisation
The Solution
GHX worked in close partnership with SJH to implement a robust governance process including technology, processes and organisational changes to transform the supply chain processes at the hospital.

The solutions implemented included:
- GHX Exchange (with integration to the SJH SAP platform) to automate the delivery of Purchase Orders and Receipt Advice Notes to suppliers, with automated delivery and integration of Advance Shipment Notices and Invoices to SJH
- GHX PowerGate Inventory solution with fully automated replenishment and batch control
- Solution underpinned by the adoption of GS1 standards for products, locations and patients
- Full integration of GHX PowerGate to SAP and Qlik Sense Business Intelligence
- GHX Nexus Catalogue Management and Exchange services to SJH suppliers

“St James’s hospital have the vision, drive and strong leadership needed to truly transform their supply chain processes. The information they can now access is truly groundbreaking, we are proud to work with such a proactive partner who is gaining richly deserved international recognition for the work they are undertaking” – James Thirkill, Country Manager, GHX UK&I.

Results
The implementation of leading healthcare-focused supply chain technology, underpinned with quality, standards driven data and a robust change management programme has delivered:
- A fully automated end to end supply chain that ensures the right product is delivered to the right patient at the right time
- The ability to source data and transact against a consistent data from suppliers
- An Inventory solution that automates replenishment and tracks individual products to patients, surgical procedure, consultant and theatre information (such as resource mix, start and end times)
- World-class Business Intelligence data that captures the true cost of procedures at a micro and macro level across the organisation
- Information that provides the ability to support clinical decisions to improve the outcome of care delivered to our patients

“Scan4Surgery could not have been delivered without GHX. Their expertise in delivering end to end solutions for the health sector is unrivalled” – Vincent Callan, Director of Facilities Management, SJH.

“Scan4Surgery provides us with the automated supply chain that ensures the right product gets to the correct patient at right time.”
Commitment to improving patient safety
The hospital believes that the development and implementation of comprehensive, end-to-end integrated business processes and systems based on industry best practice standards is the only way to ensure that the twin benefits of patient safety and hospital efficiency are achieved. The application of such an approach to all of the hospital’s processes is a long and multi-phased undertaking.

“Scan4Surgery provides us with the automated supply chain that ensures the right product gets to the correct patient at right time” – Vincent Callan, Director of Facilities Management, SJH.

Conclusion
SJH have been on a long journey with continuous reviews and evaluations to ensure the success of the programme as they keep seeking to improve and work on:

• Adoption of GS1 standards across the supply chain
• Tackle challenges which stop progress
• Focus on the end goal, improving patient safety
• Collaboration with internal and external stakeholders - you can’t impose solutions without their buy in
• Work with partners who are experienced in healthcare. Challenges in healthcare are different to other verticals so it is imperative work with specialists and experts who understand the challenges and how to overcome them

The solution deployed at St James’s provides the hospital with the perfect platform to adopt new healthcare standards (e.g. UDI) and regulations, consume the associated data to provide end users with quality management information to make informed decisions that ultimately improve the quality of care delivered to their patients.

SJH will continue to pioneer new ideas and technology to lead the way in delivering excellence in Irish Healthcare. The hospital has been recognised on a global level for the pioneering work undertaken to date.
Moving Forward
St James’s Hospital are only at the beginning of their journey. The hospital is looking to implement their solution across as many departments as possible, covering a wide variety of use cases and their whole supplier base, with the ultimate aim of automating the whole supply chain from projected patient care demand.

“We believe that Scan4Surgery and EDI not only benefit our patients and the hospital, but will help our suppliers reduce their cost to serve” – John Cotter, SJH, Programme Director, Scan4Surgery.
KEY FACTS FROM THIS CASE STUDY:

• A fully automated end to end supply chain was implemented to ensure the right product is delivered to the right patient at the right time.
• The full integration of GHX PowerGate enables automated replenishment and tracks individual products to patients, surgical procedure, consultant and theatre information.