



Success Story:



**Doncaster and Bassetlaw
Teaching Hospitals**

NHS Foundation Trust

*Doncaster and Bassetlaw Teaching Hospitals
Transforms Supply Chain Through Introduction of
Genesis Inventory Optimization and Point of Care
Solution*



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Genesis Automation's market-leading solutions are helping to drive a fundamental change in how NHS Trusts take control of their supply chain in order to improve safety, compliance, cost audits and traceability. Genesis is now working with 24 NHS sites, delivering real and measurable benefits.

An example is Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust (DBTH) which started working with Genesis in March 2016. DBTH serves a population of more than 420,000 across South Yorkshire, North Nottinghamshire and the surrounding areas.



It hosts three main hospital sites plus a number of additional services and is one of only five teaching hospitals in Yorkshire. By the end of 2018 the Trust predicts it will be training 25% of all medical students in the region, alongside 30% of all other healthcare professionals.

DBTH originally tasked Genesis to help it value and track stock for its orthopaedic theatre at the Doncaster site. In the next stage, it plans to introduce the system for its orthopaedics theatre at Bassetlaw, and eventually to extend it across the Trust.



What challenges did Doncaster and Bassetlaw face?

Before work began with Genesis, the Trust had very little insight into the value of stock held for orthopaedic procedures, and no way of assessing variability in cost between different surgeons' procedures.

Sonia Simpson, E Procurement Manager for DBTH recalls: *“Before we started using the Genesis system, our best understanding of stock levels for both equipment and consumables was an estimate. This meant we sometimes over-ordered items and risked not having others in stock when we needed them, leading to cancelled operations.”*

This lack of stock visibility was a particular challenge for the Trust's finance department, which needed to know a precise value of inventory held on-site for accounting purposes.

Without a detailed view of its inventory costs, the Trust had little way of comparing the costs of orthopaedic procedures between different surgeons, inhibiting its ability to introduce patient-level costing and improve the efficiency of its procedures.

What was the project objective?

The Trust's brief to Genesis was to **improve inventory management and its supply chain, standardise procedure variance and create Getting it Right First Time (GIRFT) data and analysis**. DBTH also wanted Genesis to help it introduce itemised Point of Care costing as well as implant track and traceability for Scan4Safety compliance, to increase inventory visibility.

By automating processes, the trust wanted to ensure essential stock was available in the theatre and avoid unnecessarily cancelled operations. This would enable it to identify the cost of operations in its orthopaedics theatres.

Sonia says: "Before the new system was introduced we had no way of knowing exactly which patient had received which product. This meant if we'd had a product recall we wouldn't be able to pinpoint which patients we need to contact. Understanding variations in costs will help us to standardise the way we work in theatre and become more efficient."



The Solution – what action was taken?

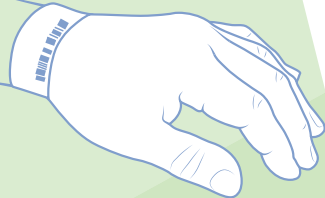
Genesis linked into the Trust's existing systems and workflows, replacing the manual stock reordering and receipt process with an auto-replenish solution that maintains a constantly updated view of stock held on-shelf. Throughout, the Trust's staff worked with the Genesis project installation team to undertake a full process review to validate all usage data throughout the orthopaedics department.

In the process, over **48,000** procurement-vetted items were put on the master database.

Working with the new Genesis system means that whenever stock falls below the agreed reorder level more stock is automatically ordered, ensuring sufficient stock is on hand at all times. This also gives the Trust a constantly updated view of stock value.

Improving the loan kit approval process and having an increased visibility of product also affected the dependence on using LOAN KITS, **in the first year** the Trust has realised a **£700,000 reduced spend** on loan kits within Orthopaedic Theatres.

Genesis Automation has further streamlined DBTH's ordering processes by linking it to the Trust's Global Healthcare Exchange (GHX) cataloguing system with a live interface. This means **DBTH no longer needs to manually maintain the catalogue, saving time and smoothing processes with suppliers.**



Sonia says: “Now that we know *exactly* what we have in stock, there is no need for a time-consuming stock and inventory count on a weekly or monthly basis. We know what we have on the shelves and the system auto replenishes to our set requirements so we also don’t need to worry about running out of stock or over-ordering. Our finance teams are also able to get an accurate value of stock at any given time.”



Results of Working with Genesis.



Now Genesis covers all orders, procurement no longer has to raise separate orders for non-stock items. All orders are processed by the Mat-man team without adding additional time to the order process and **saving Procurement from manual orders.**



Authorisation of orders is now pre-agreed so no orders sit waiting to be approved and released. **Slow and non-moving stock is now identified.**



Inventory reviews completed using Genesis data have **reduced stock levels** on average between **12-25%** for wards and departments



Product recall ability for over **8,000 implants** over **5,200 separate procedures.**

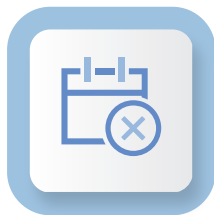


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100% (£3.6 m) spend was recorded against orthopaedic procedures.



Itemised costing for all items used within a procedure, **capturing implant lot and expiry information.**



Statistical information about surgeons and **comparisons across all surgeons** for the same procedures was recorded.



This visibility of patient-level costing allows DBTH to **minimise clinical variance**, driving cost-savings and improving patient outcomes.



Mobile device alerts for **expired/recalled implants** means rare recall events can be addressed swiftly and safely, **boosting patient safety.**



Future Impact

“The great benefit of using Genesis are the figures we get are 100% accurate. We can rely on the data and use it to drive real benefits, for the Trust and our patients. The transition to the new systems has worked well and we eventually want to roll it out across all of our theatres.”

- Sonia Simpson
E Procurement Manager
DBTH





**GENESIS ENABLES PROVIDERS TO DELIVER BETTER PATIENT CARE
AT LOWER COST WITH LESS RESOURCES.**



**PATIENT SAFETY &
COMPLIANCE**

Links correct implants /
assets & processes to
correct patients

Prevents use of expired /
recalled implants

Automates recall
management

Easily integrates with ERP /
EHR & other systems



**COST
MANAGEMENT**

Prevents expiration

Reduces Operating Room
wastage

Prevents stock out

Reduces inventory levels

Highlights consignment
inventory



**EXPANDING DATA &
ANALYTICS**

Real-time procedure cost
and utilisation
benchmarking

Cost of procedure by type,
surgeon and patient

Local and national
benchmarking

National utilisation /
uptake

**AT GENESIS, THE PATIENT IS AT THE HEART OF EVERYTHING WE DO.
GENESIS GIVES YOU CONTROL.**



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