

Stoke Mandeville Hospital Sterile Services Department

ModuleCo Healthcare in partnership with ModuleCo and MMM Medical Equipment UK Ltd (MMM), designed, built, and delivered a new Sterile Services Department (SSD) at Stoke Mandeville Hospital. The facility was provided under a 15-year Managed Service Agreement, combining all project costs into a single, manageable monthly fee, allowing the Trust to focus on healthcare delivery.

Constructed off-site and fully compliant with HBN13 standards, the centralised SSD is capable of producing over 3 million instrument trays annually. The entire project - from design to commissioning - was completed within 38 weeks of order.

MCH managed the entire process, including planning, asbestos removal, demolition of the existing SSD, groundworks, and equipment installation for the new build.

The facility was assembled on the site of the existing SSD after its demolition, with new foundations laid by MCH. Comprising 14 modules (14m x 4m each), the facility was designed to have the MMM specialist equipment installed directly into the modules at the assembly facility before delivery. This off-site installation of equipment and service connections significantly reduced the project timeline, allowing the new facility to become operational and generate revenue faster. The Trust was able to significantly increase capacity and occupy the facility without a large capital outlay, as all project costs were included in the monthly payment. The project involved regular design workshops with end users to ensure the design and specifications were appropriate. It included complete facility and M&E designs, as well as manufacturing and construction drawings. The modules and plant rooms were manufactured in the factory, with sterilisation equipment supplied and installed. The scope also covered the delivery, installation, and commissioning of the facility.

CASE STUDY





The facility became operational within 38 weeks, which is less than half the time it would take for a traditional build. Specialist equipment was installed at the ModuleCo Assembly Facility prior to site delivery, speeding up the process. The facility is future-proofed, capable of meeting the Trust's needs and generating revenue by providing services to external hospitals and clinics. It meets HBN13 compliance standards and includes an ISO Class 8 packing area.

"This project has been a remarkable feat of engineering. When our Head of Sterile Services and I saw 16 modules arrive on site in April 2020, we couldn't have imagined that just four months later, we would have the newest and most modern Sterile Services Department in the NHS." John Abbott, Deputy Divisional Director of Surgery and Critical Care.

