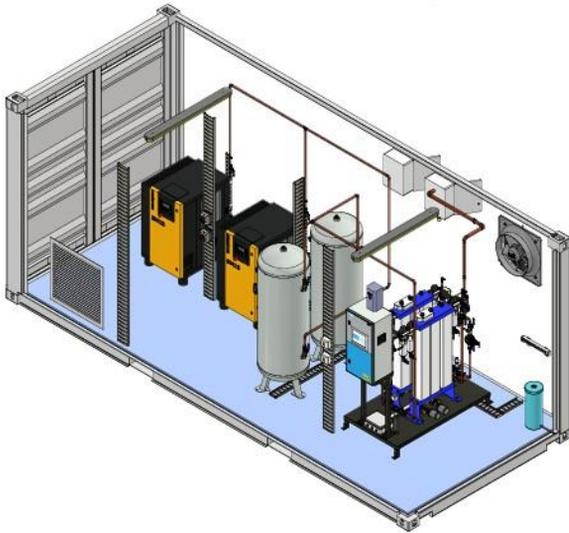


CASE STUDY:

CONTAINERISED MEDICAL AIR TEMPORARY PLANT - SUPPORTING PLANNED DECANTS AND EMERGENCY CONTINUITY



Hospital estates teams must maintain uninterrupted, compliant medical air supplies while managing ageing infrastructure, planned refurbishment works, and unforeseen plant failures.

SHJ's Containerised Medical Air Temporary Plant provides a rapid, HTM-compliant, self-contained solution, designed to protect clinical services during both planned decants and emergency situations.

This case study highlights two recent UK hospital deployments that demonstrate the speed, resilience, and flexibility of the containerised approach.

Application 1: Planned NICU Decant

A UK Trust undertaking a high-priority redevelopment programme needed to temporarily relocate its Neonatal Intensive Care Unit (NICU) into gynaecology theatres and surrounding wards for 6–8 weeks.

With zero tolerance for delay, the Trust required a temporary Medical Air solution that met specific NICU HTM requirements and could be delivered in a shortened, intensive programme.

SHJ assessed multiple options and delivered a fully containerised Medical Air Temporary Plant, completing delivery and installation within three weeks of Purchase Order. The solution enabled the NICU decant to proceed exactly as planned, with reliable operation throughout the relocation period.





Application 2: Emergency Medical Air Continuity

SHJ was contacted by a major acute hospital following a critical fault in its surgical and medical air plant, creating an immediate risk of system failure and potential clinical disruption.

SHJ mobilised immediately, deploying a fully functional containerised Medical Air plant designed for rapid emergency use.

From an initial call on Friday, the system was installed, commissioned, and operational by Monday.

The plant was brought online seamlessly, ensuring continuous medical air supply with zero disruption to clinical services, supported by close collaboration between SHJ engineers and the Trust's Estates Team.

“From an initial phone call on Friday, a fully working solution was in place by Monday. The engineers were extremely professional and helpful throughout, and the personalised service SHJ provides inspires real trust and respect.”

Iona Lennon - Capital Project Manager

Key Benefits for Estates Managers

- Rapid deployment for both planned and emergency scenarios
- Reduced programme and operational risk
- Independence from existing plant rooms
- HTM-compliant, quality-assured systems
- Minimal disruption to live hospital environments



Conclusion

SHJ's Containerised Medical Air Temporary Plant offers estates teams a reliable, flexible, and fast-to-deploy solution for one of the most critical elements of hospital infrastructure.

By reducing risk and protecting continuity of care, the containerised approach provides certainty and resilience when it matters most.