

GUARDWARE LAB FIT-OUT



Press play for
video content

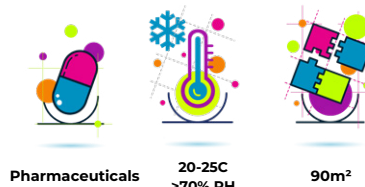


THE CLIENT

GenMar Pharma GmbH – a German Biotech company formed through a partnership between Aerogen Pharma and Lyomark Pharma. They focus on developing inhaled therapies for respiratory diseases, including treatments for premature infants with respiratory distress syndrome. Together, the companies combine Pharmaceutical expertise and innovative delivery systems to develop effective, non-invasive respiratory treatments.

THE BRIEF

Guardtech were contracted to develop a Cleancube container down-scale-separator lab for GenMar Pharma at their Vion site in Germany to provide surfactant extraction batches for groundbreaking infant nebulisers. Based on the client's URS and RIBA 2-3 design phases, a pre-fabricated, containerised R&D facility was developed, tailored for process development. The design had to integrate a comprehensive Guardware fit-out, including a stainless steel two-person glove-box, Trespa furniture fit-out, ducted fume hoods, ventilated storage cabinet, stainless steel sink and cabinet.



The smaller-scale separator unit which houses a Guardware sink and cabinet,

“Proud to support such an amazing initiative...”

Marc Lambert, Guardtech's International Project Manager, said: “What makes this project particularly special is the impact it will have beyond the facility itself. “Knowing that this laboratory will play a role in the development of nebulisers to support infants with breathing difficulties gives the work a real sense of purpose. “It's not just about engineering a solution – it's about contributing to something that can genuinely improve lives, and that's something we're all proud of.”

Marc Lambert
Guardtech International
Project Manager



Guardware
cleanroom hardware

PHARMA CONTAINER LABS

Contact Us



Press play for
video content



Cleancube
mobile cleanrooms

GT Shell official panel
system partner:

Kingspan

Partner

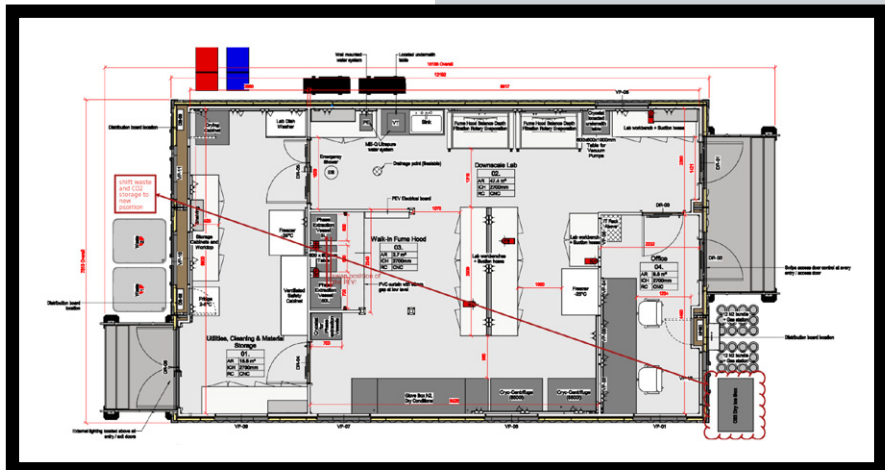
THE FURNITURE

A Cleancube container controlled environment facility designed, installed, cleaned and commissioned by Guardtech, featuring a dedicated Guardware furniture & equipment fit-out that included the following items:

◆ Furniture & Equipment:

Stainless steel glovebox for four operators with PMMA antechamber, air release system and O2% security analyser, Trespa work benches with epoxy resin spillage lips, Trespa shelving, Trespa unit with sink, mobile under-bench Trespa cabinets, grade 304 stainless steel utility sink, 90min fire resistant ventilated flammable storage cabinet with extract, grade 304 stainless steel storage cabinet, walk-in fume cupboard and bench-mounted hoods with integrated extract systems, external nitrogen bottle storage with automated switching and distribution, emergency shower and eye wash stations, oxygen depletion monitoring and fire detection systems.

Continued on next page



PHARMA CONTAINER LAB

Contact Us

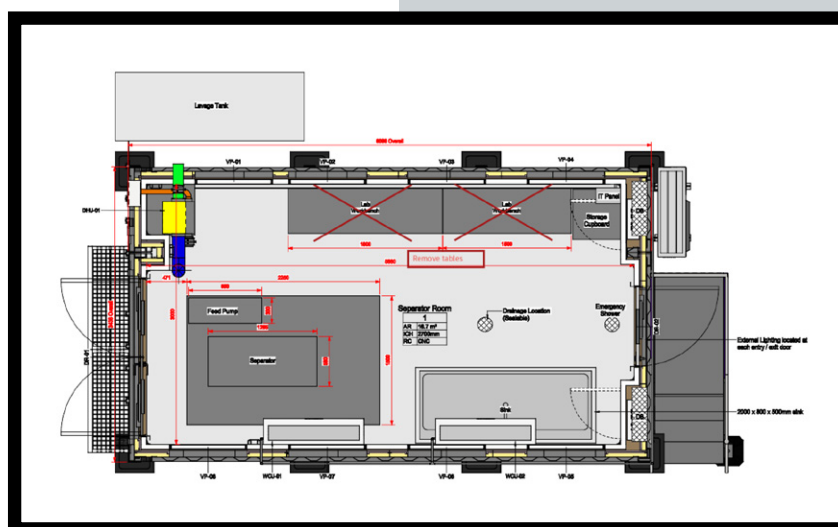


THE FIT-OUT

The GenMar Cleancube facility was fitted out with a comprehensive range of specialist laboratory furniture and process equipment to support Pharmaceutical R&D and surfactant extraction operations within a controlled containerised environment.

The laboratory fit-out included bespoke Trespa laboratory furniture throughout with innovative epoxy resin spillage lips to ensure safe use of process benches, incorporating fixed work benches, integrated shelving systems, mobile under-bench storage cabinets and dedicated sink units designed for high-cleanability and chemical resistance. Stainless steel utility furniture was also installed, including Grade 304 stainless steel sinks and storage cabinets suitable for wet-process and Pharmaceutical applications. A key feature of the installation was a large stainless steel glovebox system designed to accommodate up to two operators simultaneously. The glovebox incorporated a PMMA antechamber, controlled air release system and integrated oxygen analysis monitoring to support safe handling of sensitive materials and controlled processing activities.

Continued on next page



PHARMA CONTAINER LABS

Contact Us



To support hazardous material handling and extraction processes, the facility included a full-height walk-in fume cupboard alongside bench-mounted extraction hoods with dedicated integrated extract systems.

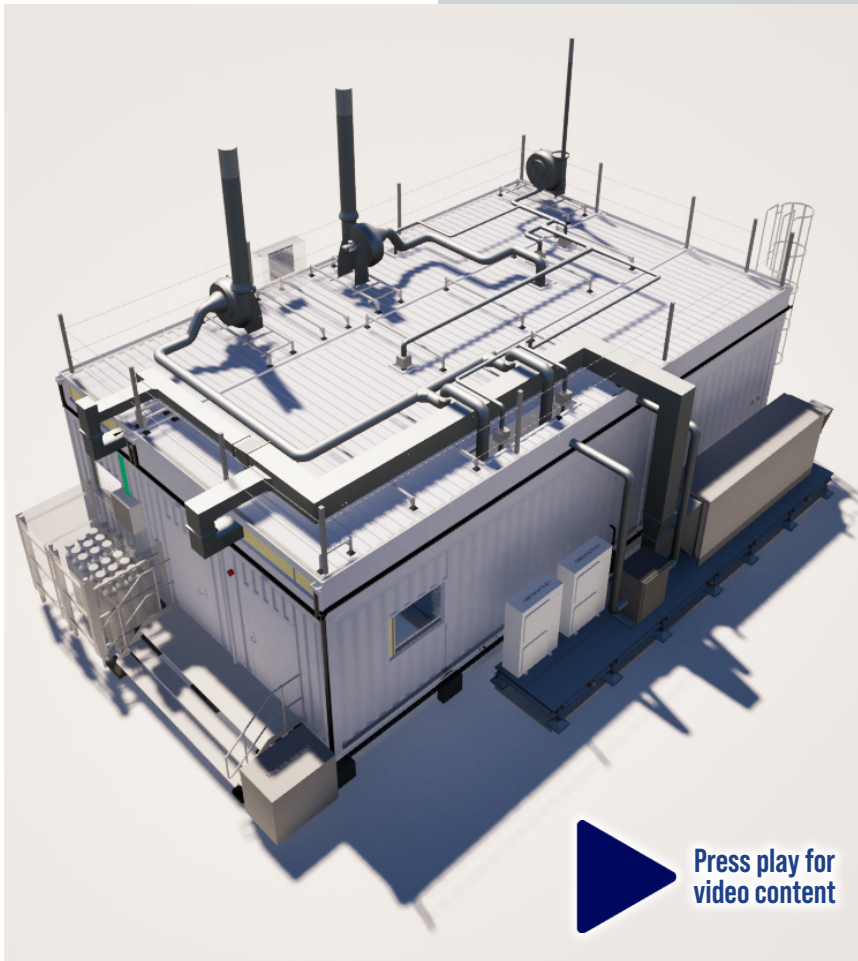
Additional specialist safety equipment included a 90-minute fire-rated ventilated flammable storage cabinet with extract integration for solvent storage and handling.

The fit-out also incorporated external nitrogen bottle storage with automated switching and gas distribution systems to ensure uninterrupted process supply.

Emergency safety provisions included emergency shower stations, eye wash facilities, oxygen depletion monitoring and integrated fire detection systems throughout the laboratory environment.

Together, the furniture and equipment package delivered a highly functional pharmaceutical R&D workspace capable of supporting complex laboratory operations within a compact modular clean-room footprint.

Continued on next page



**Press play for
video content**

PHARMA CONTAINER LABS

Contact Us



Guardian House
Unit 1A Homefield Road,
Haverhill, CB9 8QP

0330 113 0303

sales@guardtech.com

www.guardtechgroup.com



THE RESULT

Marc Lambert, Guardtech's International Project Manager, said: "Everyone at Guardtech is incredibly proud to have deliv-

ered this project for GenMar. It's a fantastic example of what can be achieved when innovation, collaboration and determination come together to overcome real-world challenges. What makes this project particularly special is the impact it will have beyond the facility itself. Knowing that this

laboratory will play a role in the development of nebulisers to support infants with breathing difficulties gives the work a real sense of purpose. It's not just about engineering a solution – it's about contributing to something that can genuinely improve lives, and that's something we're all proud of."