



THE STORY OF:



CleanCube
mobile cleanrooms



Guardtech
group



the GUARD charter

-  **GUIDE**
-  **UNDERSTAND**
-  **ADAPT**
-  **RESPOND**
-  **DELIVER**

Knowledgeable & Collaborative
Analytical & Reflective
Flexible & Innovative
Reactive & Thorough
Dependable & Committed



WHO ARE THE GUARDTECH GROUP?

THE GUARDTECH GROUP provides a range of cleanrooms and controlled environments through five distinct divisions – Guardtech Cleanrooms (modular), Cleanroom Solutions (turnkey construction), CleanCube (portable solutions), Isopod (rapid cleanrooms) and Isoblok (pre-fabricated modules).

Specialising in the design, construction and installation

of cleanrooms and critical environments; delivering a comprehensive range of ISO14644 classified and controlled environments, ranging from simple 2m² soft and hard wall modular cleanrooms to complex 2,000m² aseptic suites for the manufacturing of Pharmaceuticals, with everything in between.

Founded in 2000, Guardtech was built on the foundation of

exceptional customer service and this same principle applies to each and every project, no matter the size, scale or complexity.

Serving a wide spectrum of life science and high-tech engineering industries, including Pharmaceutical, Medical Device, Semiconductor, Automotive, Aerospace, Healthcare, Diagnostic, Biotech, Cosmetics and Food.



THE BEGINNING

● The story of CleanCube began with an inquiry from Schlumberger – world leading providers of technology and services to the energy industry.

They required a unique portable controlled environment Research & Development laboratory to assist with their oil and gas exploration activities over in Nigeria.

Guardtech's Design Engineers worked tirelessly to provide a number of innovative solutions for the client and after extensive collaboration with our in-house Installation Engineers, they opted to convert a 40ft shipping container into a portable cleanroom.

The fact that this particular unit proved to be a great success was an achievement in itself – but what came next was quite astonishing...



THE PANDEMIC RESPONSE

● The COVID-19 pandemic brought a number of challenges to businesses – chief among them was the need to protect their workforce with regular virus testing.

Cignpost Diagnostics, a newly established company, came to Guardtech with a need for mobile laboratories capable of conducting rapid PCR testing to identify strains of the virus in DNA.

This led to Guardtech delivering more than 40 van and shipping container conversions, modular buildings and even a full-scale

lorry conversion during the course of the pandemic.

Guardtech's CleanCube biosafety laboratories would go on to support a wide variety of end users – from TV and film production luminaries such as Netflix, the BBC, Amazon, Warner Bros. and Sky to elite-level sport in the form of golf's European Tour.

Cignpost would go on to provide their potentially life-saving PCR testing at all the major airports in the UK, with Guardtech constructing a CleanCube Multi 'modular mega lab'

building at Heathrow – the UK's largest airport.

Cignpost weren't the only clients to put their faith in the CleanCube brand, with the global television industry safety and health risk management company Remote Trauma also acquiring a number of the units to support their efforts to tackle the virus' devastating impact on their clients' operations.

A number of units are now set to be used for the research and development of personalised medicines in the Cell & Gene Therapy industry.



THE DOUBLE AWARD SUCCESS

● The success of CleanCube Mobile Cleanrooms has gone on to be recognised by the Federation of Small Businesses, who awarded us with the prestigious Business & Production Innovation Award (East of England) in March 2022.

A month earlier, we won the Business Innovation Award at the Cambridgeshire SME Business Awards, with the national finals set to take place at Wembley Arena in December 2022.



THE UGANDAN CLEANCUBE

● It hasn't just been commercial operations who've benefited from our innovative mobile cleanroom solutions.

In May 2022, we supplied a Mobi+ van laboratory to the Uganda People's Defence Force. The unit is assisting with the government's efforts

to provide COVID testing for the more remote areas of the country.

What's more, once this particular need is surpassed, the Ugandan CleanCube will be repurposed to deliver dental health support and other medical services to those in need.

THE CASE STUDIES

You can find out more about some of the projects mentioned above simply by clicking on the tiles below:

Cignpost Lorry Conversion



Various Mobile Solutions



Mobi Van Conversions



Guardtech Case Studies





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THE FUTURE

● CleanCube Mobile Cleanrooms may have gone on to offer critical support in the fight against COVID-19, but this is not where their story ends...

Guardtech now offering three standard models to cover a number of different applications in some of the most important industries we serve.

CleanCube Pharma

For Pharmaceutical compounding and Cell & Gene Therapy applications, especially where segregation and containment is required.

CleanCube Bio

Portable biological safety laboratories (BSL 1, 2 and 3) designed to isolate dangerous biological agents and provide protection for workers, the environment and the public, utilising both positive and negative pressurisation.

CleanCube Equip

Typically these CleanCube modules are procured by tool and equipment manufacturers who form only a part of their clients manufacturing chain and their equipment must be operated within a controlled environment.





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