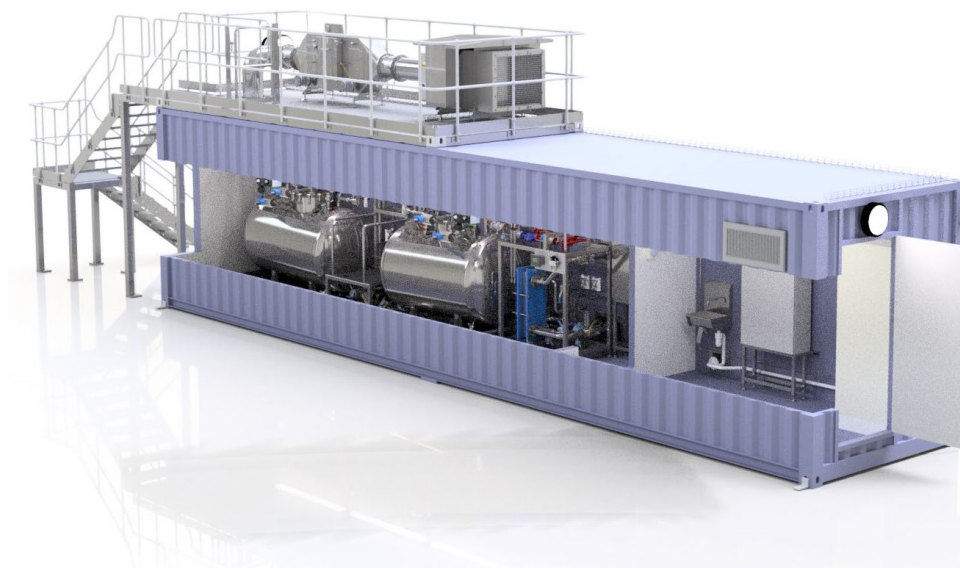


# Containerised BioWaste Decontamination Kill Systems for BSL Levels 1, 2, 3 & 4



## Overview

Suncombe now offer a full range of containerised systems, placing us at the forefront of the latest industrial trends. The complete range of Suncombe BioWaste Decontamination Systems are all available as containerised versions mounted in shipping containers.

The container units are complete processing suites housed in a shipping container. The containers are a fully insulated structure as a building replacement, which can be adapted to all climatic conditions for any target location. The complete plant system and all components are pre-assembled and tested prior to delivery. The onsite installation is reduced to the essential utilities

Containerised units can improve space utilization and reduce the commissioning, validation and maintenance durations as the modular equipment is supplied in a “ready to operate” state, needing only utility connections on site. Containerised units can speed up projects and substantially reduce capital costs, by minimising the infrastructure requirements, whilst they also allow relocation in the case of changing operations. They minimise site infrastructure requirement and disruption, de-risk the on site design process, offer shortest possible installation and commissioning programme at site and optimise site based activities.

## Applications

Biologics  
Laboratories  
Research Institutions  
Animal Laboratories  
Research Laboratories  
Mobile Operations  
Hospitals & Clinics



# Containerised BioWaste Decontamination DATASHEET

VERSION 3.10



## Welcome

Since our foundation in 1961, Suncombe has pioneered the development of innovative solutions for cleaning in place, bio-waste decontamination, GMP Washers, sanitary skids and vessel skids. The business continues to be privately owned and managed day to day by Dave Adams and Steve Overton.

Supporting Dave and Steve is a close-knit, dedicated, highly motivated and long-standing team encompassing a wealth of technical experience and knowledge in all relevant disciplines, including design, manufacture, testing, installation, validation, documentation and after-sales support. All of our work is carried out across our own facilities, just off the M25 in north London.

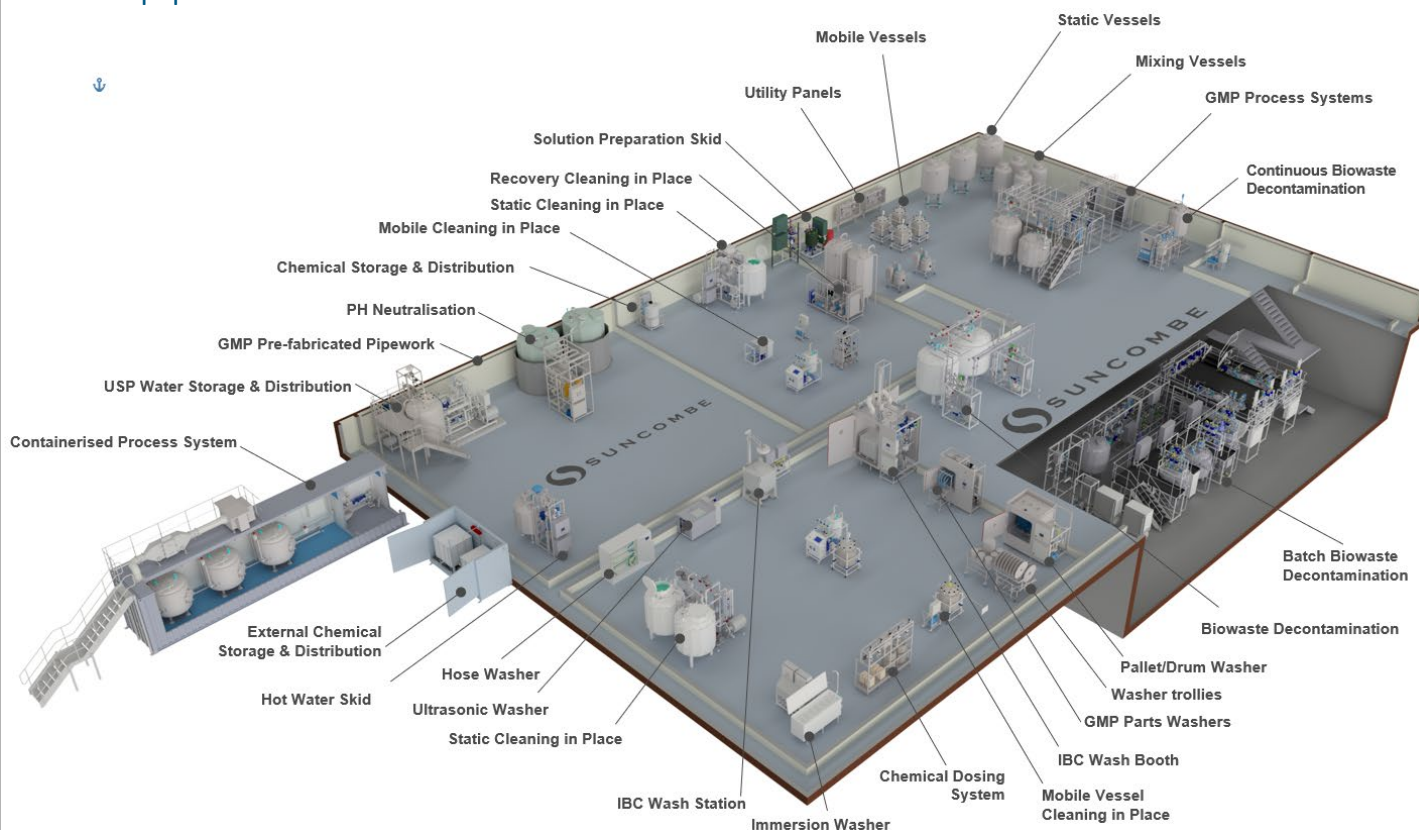
The team employ the very latest techniques, standards and best in class solutions. Having such a strong team allows us to offer the ability to carry out all of our work in-house, under our direct control

and quality management system. It also ensures that we own and preserve all the knowledge and experience gained with every project and allows us to offer continued support for all our installed systems throughout their lifetime.

## Our Clientele



## Our Equipment



## Suncombe Ltd

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# Containerised BioWaste Decontamination

## DATASHEET VERSION 3.10



### Construction Details

Manufactured under workshop quality and construction procedures and conditions, ensuring shorter construction time and availability for extensive off site testing, acceptance and test runs in the workshop, extremely short installation times on site, short interruption of the production during the integration of the plants, ongoing mobility of the plant. For larger projects multiple containers can be used which can be internally connected and located side by side or vertically, to provide the spacial requirements for the equipment/ applications within these containers.

Designed and manufactured in house at Suncombe Ltd facilities close to London in the United Kingdom, the containerised units are supplied worldwide.





# Containerised BioWaste Decontamination

## DATASHEET VERSION 3.10



### Details

Available in 3, 6 or 12 metre (10, 20 or 40 ft) length, the containers are optimised to provide an internal clean space using resin, clean panelling or stainless flooring, walls and ceilings. The containers are pre-configured with pipework, electrics, lights, heating and application specific items such as Emergency doors, knock out panels, HVAC, utility conditioning, chemical storage and distribution, showers, sinks, dunk tanks, access steps, roof mounted equipment etc.

EXTERNAL DIMENSIONS			
	10ft	20ft	40ft
Container Length	3.05m	6.06m	12.19m
Container Width	2.44m	2.44m	2.44m
CONTAINER HEIGHT			
Standard	2.59m		
High Cube	2.89m		



# Containerised BioWaste Decontamination

## DATASHEET VERSION 3.10



### Control and Automation System

Renowned for their ease of operation and versatility, Suncombe systems are designed and manufactured for reliability, repeatability and longevity, whilst complying with the highest international regulatory standards. With dedicated in-house automation personnel for control design and software, Suncombe engineers have tremendous experience in incorporating a broad range of control solutions to suit your specific control requirements.

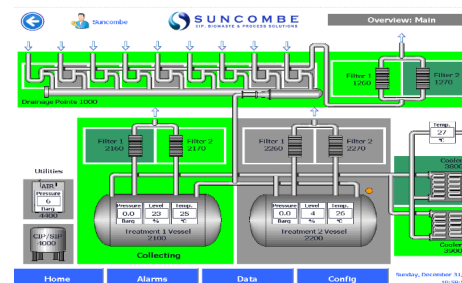
Developed to the GAMP 'V' model (Verification and Validation), system life cycle approach, which links the three main qualification activities (installation, operation and performance) back to the design process, the system software is produced in house by qualified software engineers, encompassing software development standards, quality control systems and change control during and post development.



### Standards and Guidelines

- ✓ GAMP Guidelines
- ✓ FDA 21CFR11 Compliance
- ✓ ASME BPE
- ✓ EU Machinery Directive
- ✓ EU Low Voltage Directive
- ✓ EU cGMP Guidelines
- ✓ EU EMC Electromagnetic Compatibility Directive
- ✓ IEC 61131 for PLCs
- ✓ EN 60204 Safety of machinery
- ✓ EN 60439 Low Voltage Switchgear
- ✓ CE and UKCA Marks

### Typical Operator Interface





- ✓ Efficient use of resources: Suncombe uses energy-efficient technologies in our equipment, which helps to reduce energy consumption and carbon emissions.
- ✓ Waste reduction: Suncombe strives to reduce waste throughout our operations, from manufacturing to product disposal. We use sustainable materials and designs that minimise waste and maximise product lifespan.
- ✓ Recycling: Suncombe promotes recycling and reusing of materials to reduce waste. We also recycle our own equipment where possible.
- ✓ Compliance with regulations: Suncombe adheres to environmental regulations and standards set by governing bodies, ensuring that our operations do not harm the environment.
- ✓ Green initiatives: Suncombe invests in research and development of new, sustainable technologies and processes to further reduce our environmental impact.
- ✓ Lifecycle Considerations: The company emphasizes the entire lifecycle of our equipment, from design and manufacturing to use and disposal. We strive to select materials and components that are environmentally friendly and can be recycled or disposed of responsibly. Featuring design with margin, upgrading and future-proofing extends the equipment lifecycle.

As a company, we recognise the importance of sustainability and the need to minimise our environmental impact. All Suncombe equipment has been re-developed for sustainability purposes and incorporates techniques and methodologies to minimise impact on the environment, including technologies that reduce energy consumption, emissions, and waste, as well as adopting practices that promote sustainability and reduce the environmental impact of operations.

Our company philosophy is one of Social Responsibility and under this banner we are fully committed to the need to balance economic growth with environmental stewardship and social responsibility.

Overall, Suncombe demonstrates a commitment to sustainability and environmental responsibility in our operations and products. For further details Suncombe have produced Sustainability and Lifecycle White Papers available **on request**