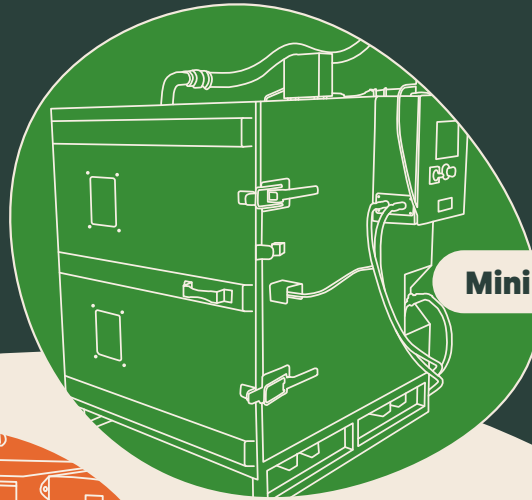
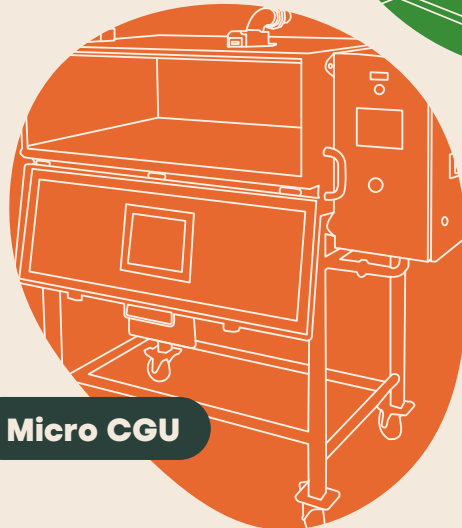


# Containerised Gassing Units

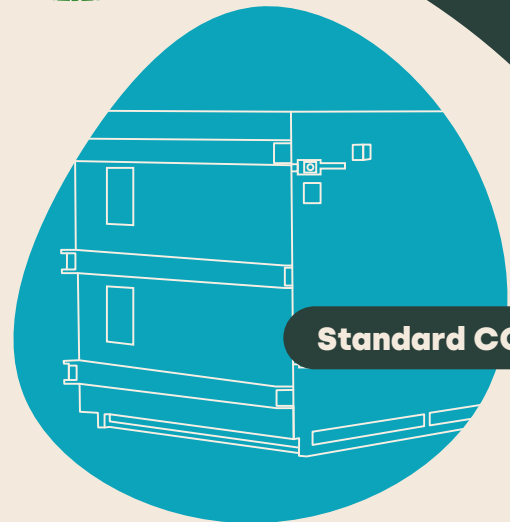
Humane, scalable and compliant on-farm culling solutions.



**Mini CGU**



**Micro CGU**



**Standard CGU**

**Livetec's Containerised Gassing Units (CGUs) are designed to humanely stun and kill batches of poultry by exposure to a carbon dioxide or argon gas mixture as permitted by legislation.**

Our industry-leading, gas-based stunning systems provide a cost effective, scalable and rapid solution for high welfare onsite depletion or depopulation.

Designed to the highest welfare standards our range of CGUs keep your farm operating in compliance inwith EU 1099 / 2009 and UK WATOK 2015 legislation.

Manual CGU units should be used alongside Livetec's Smart Oxygen Meter (SOM) to provide complete peace of mind that gas exposure regulations are being met on-farm and to ensure compliance.



# Containerised Gassing Units (CGUs)

## Any of our CGUs can be upgraded to automated units by the addition of the PLC controlled LSAU20.

Mounted on the side of the unit, the system automatically controls the flow of gas and records all data during the process, making them user-friendly and easy to operate.

The operator is only required to start and confirm

the end of each cycle, additionally safeguarding their own wellbeing.

The control system has audio and visual alarms in addition to a fail-safe emergency stop function to ensure minimum livestock stress.

Birds are removed from their housing and placed in ventilated transport modules or crates, these are then placed into the chamber. The unit will then fill with a gas mixture that is released into the chamber, flushing out oxygen.

## Livetecs standard range of CGU's



TYPE:  
**Micro CGU**

CAPACITY:  
**25kg**

THROUGHPUT:  
**250kg** throughput per hour\*

USAGE:

- Quails
- Turkeys
- Breeder farms
- Hatcheries
- Research facilities
- Pheasant rearing



TYPE:  
**Mini CGU**

CAPACITY:  
**250kg**

THROUGHPUT:  
**2500kg** throughput per hour\*

USAGE:

- Micro usage plus:**
- End of lay birds
  - Small or speciality flocks
  - Seasonal on-farm processing



TYPE:  
**Standard CGU**

CAPACITY:  
**750kg**

THROUGHPUT:  
**Between 9000 - 10,000kg** throughput per hour\*

USAGE:

- Micro & Mini usage plus:**
- Poultry farms, breeder farms, Layer farms, turkey farms, quail farms, game farms and laboratories.**

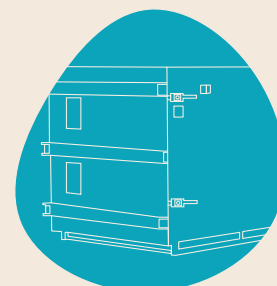
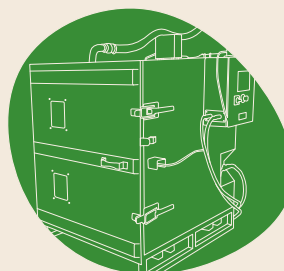
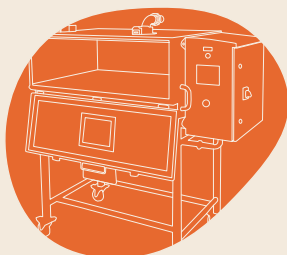
**Talk to us about our bespoke design and manufacturing options.**

**Enterprise level solutions for larger commercial flocks.**

\* based on maximum bird weight, using one unit running 10 cycles per hour

# Containerised Gassing Units (CGUs)

**Find out more  
about Livetec's  
Smart Oxygen  
Meter**



## Technical Specification

	Micro CGU	Mini CGU	Standard CGU
Dimensions internal	Depth 650mm Height 400mm Width 1100mm	Depth 1300mm Height 1300mm Width 1100mm	Depth 2600mm Height 1500mm Width 1500mm
Dimensions external	Length 1300mm Height 1380mm Width 1000mm	Length 1221mm Height 1340mm Width 1167mm	Length 2668mm Height 1837mm Width 1808mm
Machine weight	220 kg	500 kg	750 kg
Chamber volume	286 litres	1859 litres	5850 litres
Door width clearance	Width 1020mm Height 420mm	Width 855mm Height 1220mm	Width 1450mm Height 1500mm
Capacity total	25kg	250kg	750kg
Gas types	Argon, nitrogen with carbon dioxide*	Argon, nitrogen with carbon dioxide*	Argon, nitrogen with carbon dioxide*
Gas connection	Quick connect eg. CEJN 320 series	Quick connect eg. CEJN 320 series	Quick connect eg. CEJN 320 series
Pressure	Maximum 5 bar	Maximum 5 bar	Maximum 5 bar
Fill rates	Dependent on gas type and local regulations for example argon CO2 mix - 15-20 seconds	Dependent on gas type and local regulations for example Argon CO2 mix - 45-60 seconds	Dependent on gas type and local regulations for example Argon CO2 mix - 60-90 seconds
Gas usage per cycle	340 litres	2,230 litres	7,000 litres
Gas usage per hour	3,400 litres	22,300 litres	70,000 litres
Mobile options	Optional trolley	Pallet pockets	Pallet pockets
Load system	Manual	Manual or mechanical	Mechanical
Control System	Automated or manual	Automated or manual	Automated or manual
Gas monitoring	Automated / built in manual - compatible with Livetec SOM	Automated / built in manual - compatible with Livetec SOM	Automated / built in manual - compatible with Livetec SOM
Outdoor use	Yes	Yes	Yes
Animal type	All domestic poultry and waterfowl	All domestic poultry and waterfowl	All domestic poultry and waterfowl
Legislation compliance	EU 1099 / 2009 and UK WATOK 2015	EU 1099 / 2009 and UK WATOK 2015	EU 1099 / 2009 and UK WATOK 2015
Calibration and service	Annual maintenance packages available	Annual maintenance packages available	Annual maintenance packages available

\*compressed gases

# Containerised Gassing Units (CGUs)

## Additional info for automated unit

	Micro CGU	Mini CGU	Standard CGU
Power supply	120 / 240 volts single phase 10 amps	120 / 240 volts single phase 10 amps	120 / 240 volts single phase 10 amps
Fill rates	Programmable for continuous fill or multi stage	Programmable for continuous fill or multi stage	Programmable for continuous fill or multi stage
Programmable settings	5	5	5
Indoor use	Optional compressed air flushing system available	Optional compressed air flushing system available	Optional compressed air flushing system available
Gas monitoring	Built-in	Built-in	Built-in
Data recording	Built-in	Built-in	Built-in
Analytics	Built-in	Built-in	Built-in
Warning sensors	Visual and audible	Visual and audible	Visual and audible

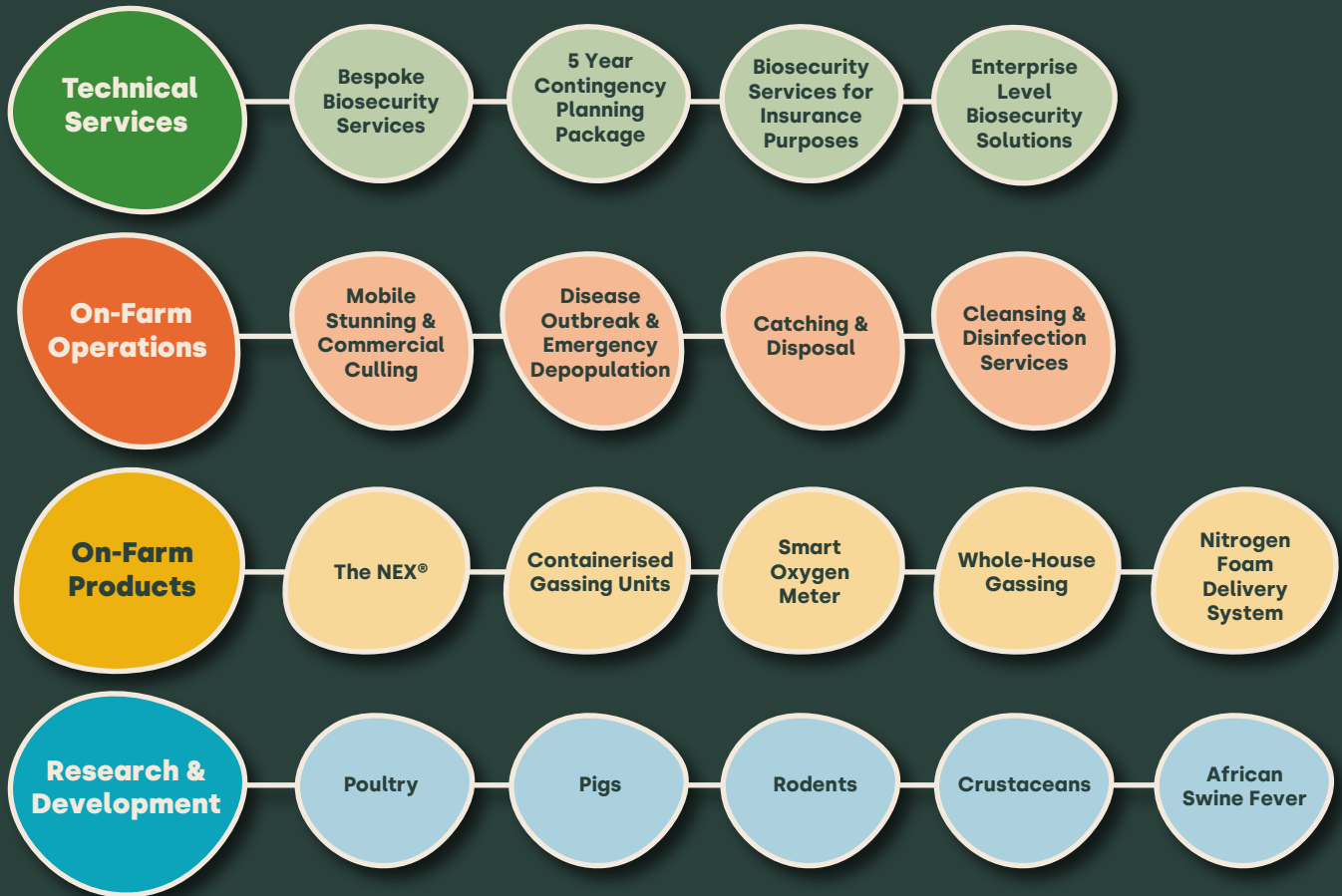
## Why use the Livetec CGU?

- ✓ **Swift on-farm emergency** depopulation in the event of a notifiable disease outbreak, compliant with OIE guidelines.
- ✓ **Seasonal, scheduled stunning** of flocks on-farm to maintain productivity.
- ✓ **On-farm capacity** for small batch stunning.
- ✓ **Maintain scheduled depletion** in the event of processing plant breakages or supply chain issues.
- ✓ **Planned welfare cull** for end of lay hens, sick or injured birds and reducing overstocking.

To find out more visit  
[www.livetecsystems.co.uk](http://www.livetecsystems.co.uk)

Livetec is the leading provider of livestock protection - the go-to partner for all biosecurity issues across the industry.

We provide an extensive range of innovative solutions for our clients:



## About Livetec Systems

We are continually exploring new ways to improve the future of farming. We want to give farmers the peace of mind that they're doing everything they can to protect their animals and efficiently operate their business in the very best way.

Our clients trust us to protect their reputation, livestock and livelihoods by working in compliance with US, UK and EU legislation. We act as a partner to help make the necessary changes to facilitate a strong, resilient farming strategy.



**The British Poultry Council has worked with Livetec for six years and highly values their rapid and reliable service. Livetec provides our member businesses and their farmers with the most efficient service during the worst of times. Industry, Government and Livetec all work together to mitigate the risk of disaster and keep the food supply chain going"**

The British Poultry Council