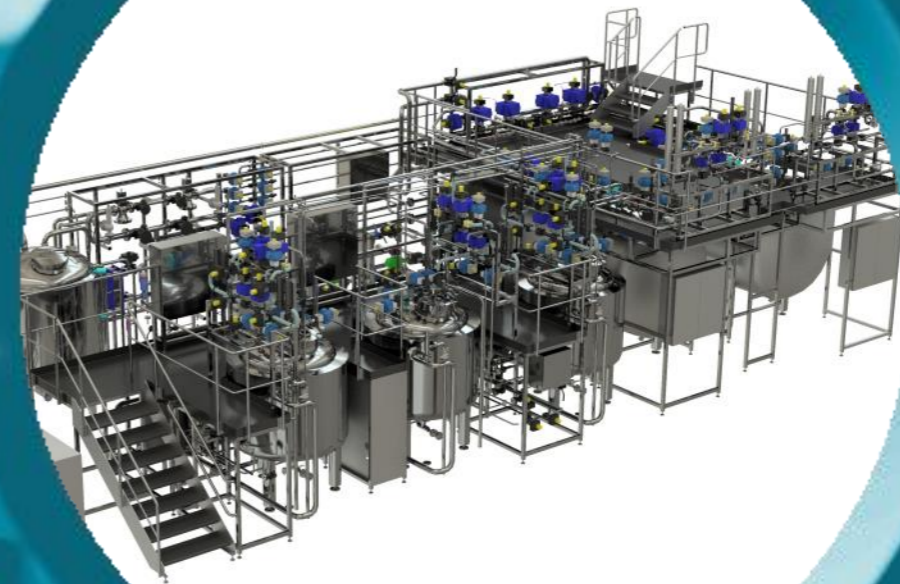




SUNCOMBE
CIP, BIOWASTE & PROCESS SOLUTIONS

**Selection Guide for BioWaste
Decontamination Kill Systems
for BSL Level 1, 2, 3 & 4**



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BIOWASTE TREATMENT



As global awareness grows for the protection of the environment, so too does the demand for effective treatment or decontamination of the vast amount of bio waste and effluent created by our ever increasing society.

RISK

Highest

BSL4

Serious

BSL3

Moderate

BSL2

Low

BSL1



Effluent Treatment Plants (ETP) or Effluent Decontamination Systems (EDS) are classified according to Hazard Group (HG) or Biological Safety Level (BSL) or Containment Level (CL). Classification ranges from 1 (risk is relatively low and simple treatment measures are adequate), to 4 (the highest level of risk demanding the most stringent measures).

Suncombe specialise in the design and manufacture of "batch" bio waste treatment systems to the highest level, where a specific volume of liquid waste is treated according to a robust and validated process before comprehensive analysis and safe release.

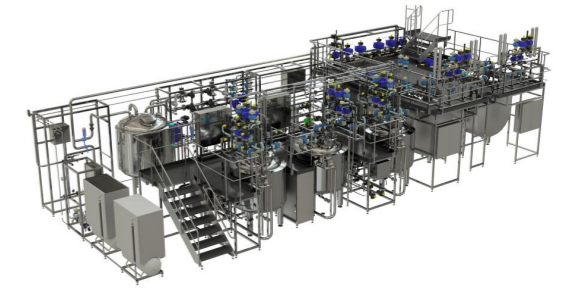


- Applications include the treatment of waste generated by research, laboratory, production and bio-containment facilities.
- Depending on the level of risk, systems may incorporate dual redundancy safety measures to provide the most comprehensive protection.
- Treatment involves a combination of thermal and chemical measures designed to deactivate and sterilise waste, while ensuring absolute containment and protection of the external environment. Steam, superheated water and specialised electrical heating methods may be used according to the treatment requirements.
- Treatment systems can be designed for small capacity, typically associated with a single facility, up to very large capacity systems with multi-stage collection and treatment tanks.



BioWaste Decontamination Kill System Range

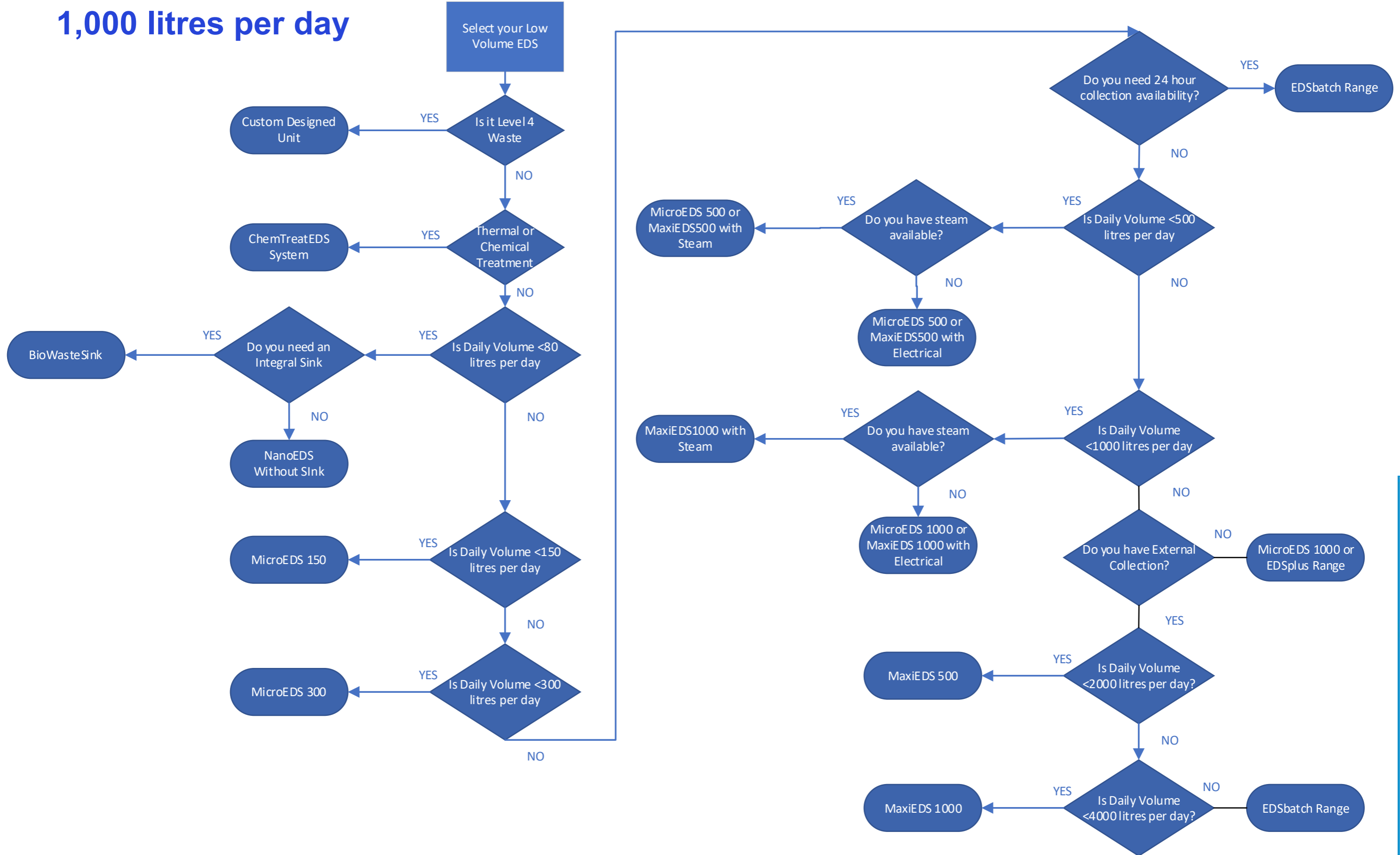
Part #	Daily Capacity Litres	BioWaste Levels	With 24 hour Collection Availability		With 18 hour Collection Availability	
			Collection litres per day	Treatment litres per day	Collection litres per day	Treatment litres per day
Low Volume Level 1, 2 & 3 EDS Systems						
BioWasteSink™	0 - 80	BSL1, 2 and 3	80	80	80	80
NanoEDS™	0 - 80	BSL1, 2 and 3	80	80	80	80
BioWasteSink™ with Twin Sink	0 - 160	BSL1, 2 and 3	160	160	160	160
MicroEDS™ 150	0 - 200	BSL1, 2 and 3	150	150	150	150
MicroEDS™ 300	0 - 300	BSL1, 2 and 3	300 - 750	300	300 - 750	300
MicroEDS™ 500	0 - 500	BSL1, 2 and 3	500 - 1500	500	500 - 1500	500
MicroEDS™ 1000	0 - 1000	BSL1, 2 and 3	1000	1000	1000	1000
MaxiEDS™ 500	0 - 500	BSL1, 2 and 3	-	-	500	500
MaxiEDS™ 500 (with external collection)	0 - 2500	BSL1, 2 and 3	-	2000	-	2000
MaxiEDS™ 1000	0 - 1000	BSL1, 2 and 3	-	-	1000	1000
MaxiEDS™ 1000 (with external collection)	0 - 5000	BSL1, 2 and 3	-	4000	-	4000
High Volume Level 1, 2 & 3 EDS Systems						
EDSbatch 500/1 to 5000/1	500—5000	BSL1, 2 and 3	-	-	500 - 5000	500 - 5000
EDSbatch 500/2 to 5000/2	2500 - 20000	BSL1, 2 and 3	2500 - 20000	2500 - 20000	2500 - 20000	2500 - 20000
EDSbatch 500/3 to 5000/3	4500 - 45000	BSL1, 2 and 3	4500 - 45000	4000 - 40000	4500 - 45000	4000 - 40000
Hybrid Level 1, 2 & 3 EDS Systems						
HybridEDS™ 500 to 5000	500 - 45000	BSL1, 2 and 3	500 - 45000	500 - 45000	500 - 45000	500 - 45000
Continuous Level 1, 2 & 3 EDS Systems						
EDSflow™ 300 to 10000	5000 - 180,000	BSL1, 2 and 3	-	5000 - 180,000	-	5000 - 180,000
Chemical EDS Level 1, 2 & 3 Systems						
ChemTreatEDS™ 100/2—5000/2	500 - 20000	BSL1, 2 and 3	500 - 20000	500 - 20000	500 - 20000	500 - 20000
Containerised EDS Level 1, 2 & 3 Systems						
Containerised EDS	500 - 20000	BSL1, 2 and 3	500 - 20000	500 - 20000	500 - 20000	500 - 20000
Level 4 EDS Systems						
Level 4 EDS		BSL4	Custom designed for any duty required			



The configurations noted above are the most common.

Custom designs are available and can incorporate different duties, capacities, technologies. Please contact a Suncombe engineer for more information.

Select Your Low Volume EDS up to 1,000 litres per day



Select Your High Volume EDS over 1,000 litres per day

