

## Incinerators

The TeamTec Incinerators are the ultimate solution for waste treatment onboard vessels, offshore units and onshore facilities. Our vast range of models and versions cover capacities up to 1500kW.

In April 2024 we launched a brand new incinerator model, LOGI.

Contact us

[INCINERATORS@teamtec.no](mailto:INCINERATORS@teamtec.no)



# TeamTec

## Norwegian Traditions

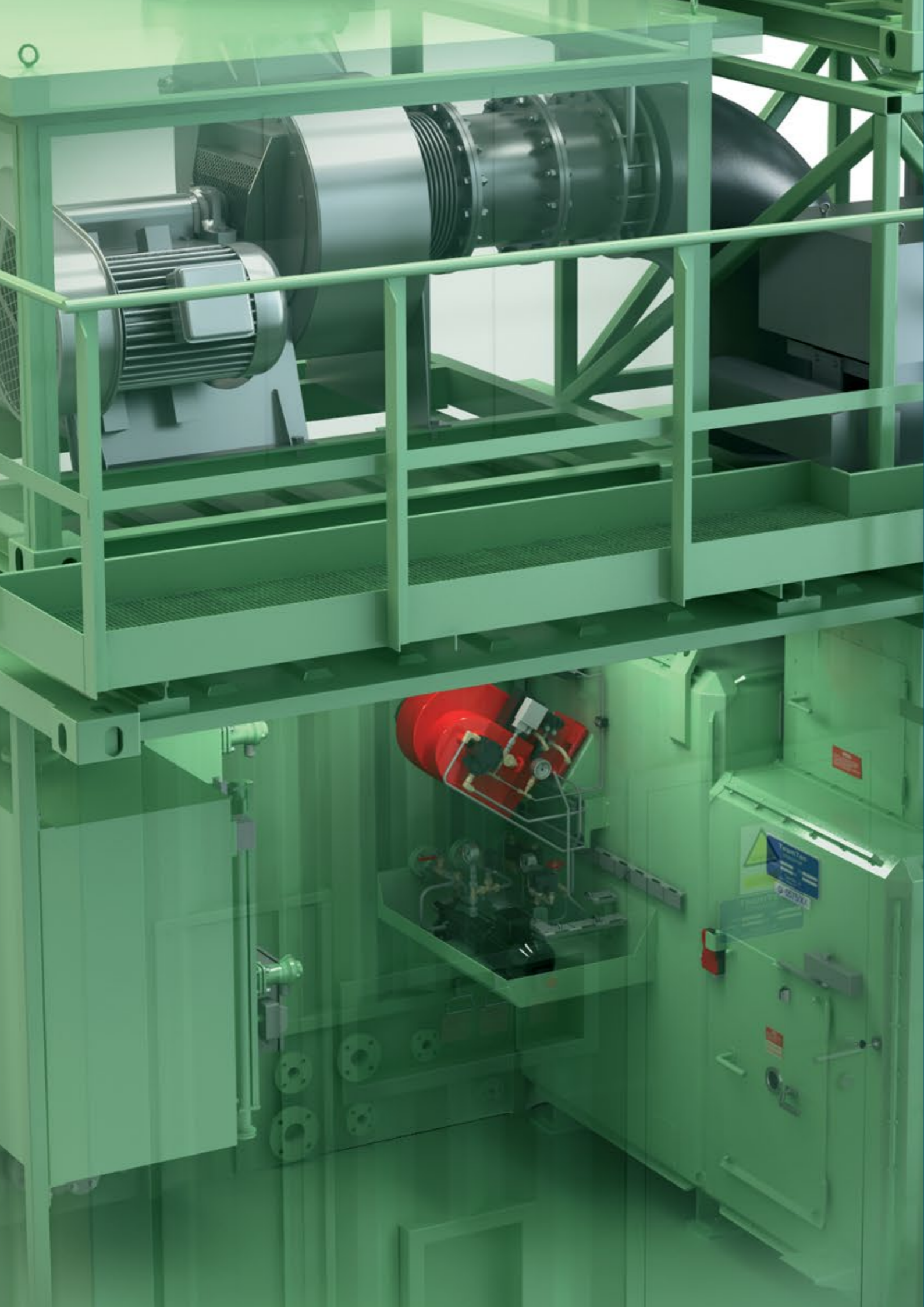
TeamTec is continuing a tradition of maritime industrial activity at Tangen in Tvedestrand, Norway, dating back to around year 1700.

TeamTec was founded on the Norwegian Constitution day in 1984 by a small group of ambitious and enthusiastic pioneers.

Today, TeamTec is a well-recognized name in the maritime industry. Our company has been built up around decades of manufacturing maritime waste incinerating systems as well as stripping ejectors from our inhouse foundry. TeamTec is on a continuous growth path and in recent years TeamTec has also been offering ballast water management systems (BWMS) to the maritime sector.

We are proud to supply quality products and service from our worldwide service network.





# Incinerator Certification

- IMO-RESOLUTION MEPC. 244(66) adopted April 4th 2014, "Standard Specifications of Shipboard Incinerators"
- Type approved by all major societies

# Technology

Onboard incineration of sludge oil and solid waste is convenient, efficient, sustainable and necessary for many types of vessels / operations. TeamTec Incinerators are computerized (PLC) to make the daily use simple, automated and safe for the user over a long service life. All models are running at a high temperature to enable high capacity, with a compact footprint.



# Advantages

- Automatic control and operation (no filters, no strainers, self cleaning nozzle)
- Low maintenance cost
- Fuel consumption is automatically minimized
- Modular construction with a compact and sturdy design
- One of the easiest equipment packages to retrofit
- Top professional service engineers for commissioning and start-ups
- A large stock of genuine spare parts
- Customized documentation

TeamTec Incinerators are installed at:

- All major shipping companies
- All major cruise lines
- Navy fleets and Coast Guards world wide
- Floating and fixed production units
- Offshore and specialized vessels
- Land based power plants
- Holiday resorts

0575/2023

DO NOT OPEN WHILE BURNING

NOTE: DURING BURNING CHECK THAT AIR INLETS ARE OPENED IN THE BOTTOM AND FREE OF SLAG

**WARNING!**

1. LIQUID WASTE OR FUEL WITH FLASH POINT BELOW 60°C AND AEROSOL CANS OR EXPLOSIVES MUST NOT BE INCINERATED!
2. OIL RAGS AND OIL FILTERS CAN BE BURNED IN SMALL QUANTITIES ONLY. MAX 1 KG. PER CHARGE.
3. PLASTIC AND SYNTHETIC MATERIALS CAN BE BURNED IN SMALL QUANTITIES ONLY. MAX 1 KG. PER CHARGE.

OG 100 / 050 / 00 00 00

# Incinerator Models

New - LOGI



OG120C



OG200/400C



OG200/400CS



GS500CS



GS900CX



GS900CRSX



GS1000CX



GS1000CRSX

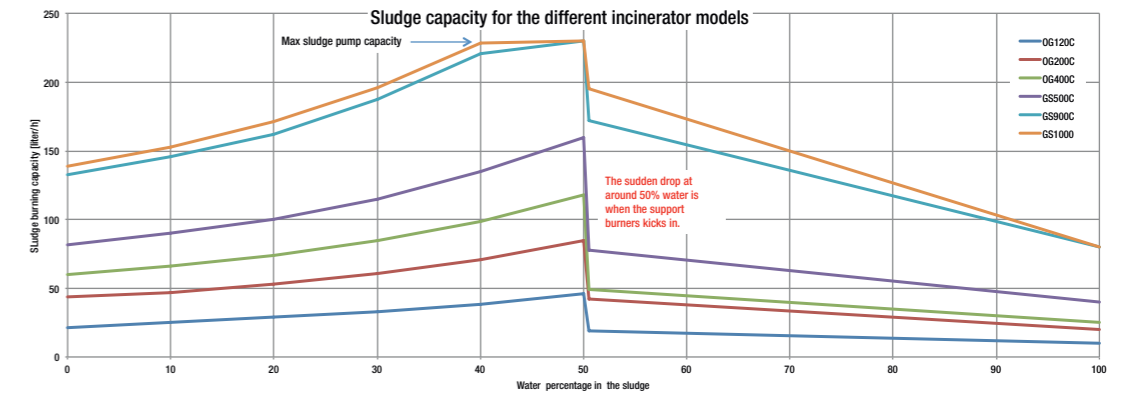


# Capacity Overview

## Criteria for selection of properly sized incinerator and sludge tank:

- Sludge tank capacity: 2 % / 0.5 % of ship's HFO / MGO consumption per 24 hrs
- Incinerator capacity: Sludge capacity sufficient to burn 1 % / 0.25 % of ship's HFO/MGO consumption per 24 hrs during 8-12 hrs / day operation
- Solid waste generation: 2 kg / person / day (range 1 - 2.5)

## Performance curve



Incinerator model	Version	Max thermal capacity [kW]	SLUDGE		SOLID WASTE				WATER (Optional) [l/h]	FUEL		EL. POWER [kW]	DIMENSIONS		Flue gas duct DN	APPROX. WEIGHT		RECOMMENDED TANK(S)	
			Capacity [l/h] (see certificate)	Solid waste batch feeding capacity [l/load]	Solid waste load (IMO spec, 130 kg/m <sup>3</sup> )	Sluice load [l/load]	Solid waste capacity range [kg/h]	Bilge water [l/h]		(Sludge mode) Preheating [°C]	(Solid waste mode) Approx. max. [l/h]****		Incinerator L x W x H [mm]	Minimum maintenance space L x W x H [mm]		Incinerator chamber [kg]	Flue gas fan [kg]	Sludge tank(s) [liters]	Diesel oil tank liters
LOGI		530	69	230	30	TBA	TBA	N/A	22*	TBA	10	1232x1326x1975	750x350x300	400/350	1319	312	1000	400	
OG120C	C	220	29	200					13*		11	1033 x 1445 x 1836	2350 x 2060 x 2200	200	1268	175	700	400	
	CW				26					12	7	1013 x 1445 x 1834	2350 x 2060 x 2200		1245				
OG200C	C**	560 (630**)	73 (87**)	400	52			127	8*		15	1350 x 1900 x 1960	2400 x 2475 x 2200	300	2544	326	1100	400	
	CW	422								35	12	1350 x 1900 x 1960	2400 x 2400 x 2200		2503				
	CS**	560 (630**)	73 (87**)			50	20-50	127	8*		15	1697 x 1900 x 1960	2400 x 2475 x 2200		2650		1100		
	CSW	422								35	12	1697 x 1900 x 1960	2400 x 2400 x 2200		2609				
OG400C	C**	616 (727*)	87 (87.5**)	400	52			140	16*		15	1350 x 1900 x 1960	2400 x 2475 x 2200	350	2544	330	1700	400	
	CW	422								35	12	1350 x 1900 x 1960	2400 x 2400 x 2200		2503				
	CS**	616 (727*)	87 (87.5**)			50	20-50	140	16*		15	1697 x 1900 x 1960	2400 x 2475 x 2200		2650		1700		
	CSW	422								35	12	1697 x 1900 x 1960	2400 x 2400 x 2200		2609				
GS500C	CS**	850 (901**)	100 (120**)	500	65	125	50-135	153	19*		27	2457 x 1902 x 2117	3300(2450***) x 2420 x 2200	400	3956	526	2000	400	
	CSW	642								42		2457 x 1902 x 2117	3300(2450***) x 2420 x 2200		3926				
	CGSW	791					60-150				35	2937 x 1902 x 2167	3790 x 2440 x 2200		3880			400 or 700	
	CFGSW	808					75-200				55	4587 x 2869 x 2172	6050 x 2800 x 2300		6550			700 or 1100	
GS500CIC	CICS	930	105	500	65	125	50-135				31	2457 x 1902 x 2117	3300(2450***) x 2420 x 2200	400	4080	541	2000	400	
GS900C	CX	1369	162	600		125			21*		45	2926 x 1807 x 2140	3740 x 2450 x 2200	500/600	4148	800	2000	400	
	CSRX				78		50-135					2926 x 1914 x 2583	3740 x 2450 x 2650		4365		(+3000)		
GS1000C	CX	1500	171	600	78	125		237			45	2926 x 1807 x 2140	3740 x 2450 x 2200	500/600	4222	800	2000	400	
	CSRX						50-135					2926 x 1914 x 2583	3740 x 2450 x 2650		4443		+3000		

### Version codes: Code feature description

- C Standard, computerized automation / control (PLC)
- F Auto feeding of solid waste (hopper, shredder, screw feeder)
- G Stirrer for solid waste
- I Water injection
- IC Increased capacity
- S/RS Sluice for solid waste
- W Incinerator for solid waste only
- X Large single door opening

### Version codes: Possible additional features Code feature description

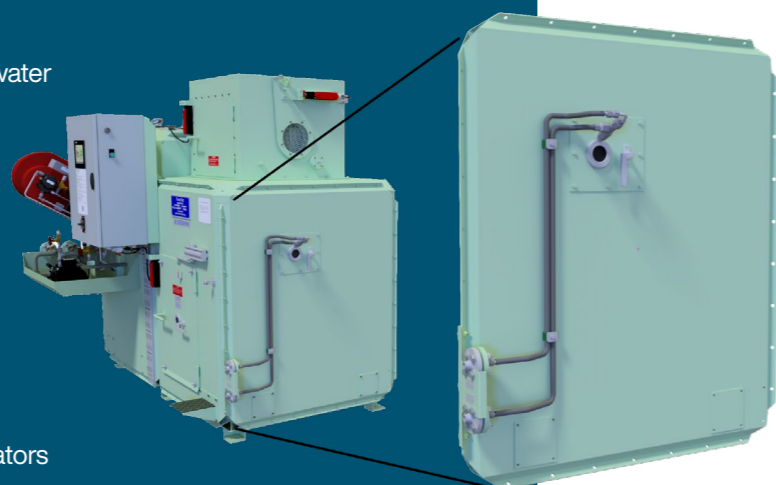
- A Ampere meter for flue gas fan
- B Diesel oil booster pump
- D Dual sludge tanks
- K Cooling of control cabinet
- L Sludge tank level readout in display panel
- M Flue gas fan motor heater
- V Vibration dampers
- Z CCS - centr. control station slave display
- Y Twin tanks

- \* Expected daily consumption when burning sludge with less than 50 % water content
- \*\* With optional bilge water injection (I)
- \*\*\* Front sided sluice solution
- \*\*\*\* The PLC will always try to minimize fuel consumption when energy release from waste is high enough

# Bilge Water Injection

## Purpose and benefits

- Supplement to the OWS
- Developed primarily for disposal of dirty bilge water
- Increased sludge burning capacity
- Reduced NOx emission
- No filters or strainers
- No chemicals
- No more "magic pipes"
- Inexpensive
- IMO certified
- Quick and simple upgrading of existing incinerators



# Sludge Preparation Tank

## Sludge heating / mixing tanks

For the best economical operation and optimal efficiency of any incinerating plant, we recommend installing twin or dual cylindrical sludge tanks. Please contact us for indepth advice.

All TeamTec tanks are complete with sludge circulation pump, level switches and thermostat.

# Heating Options

- Steam
- Electric
- Thermal

Water tank

Rectangular sludge tank

Cylindrical sludge tank

Insulated & plated

435L



700L



1100L



2000L



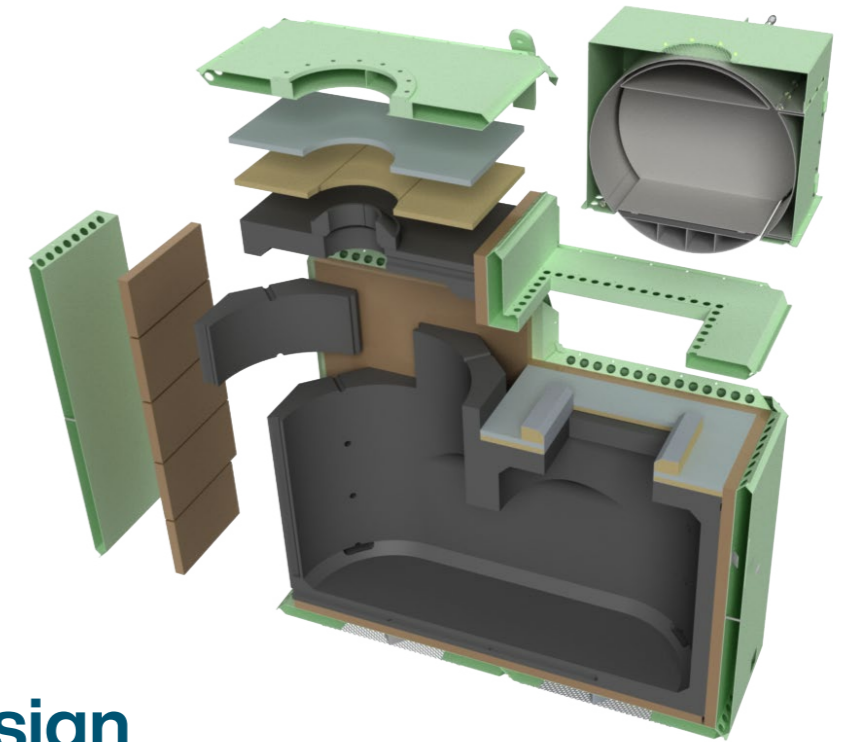
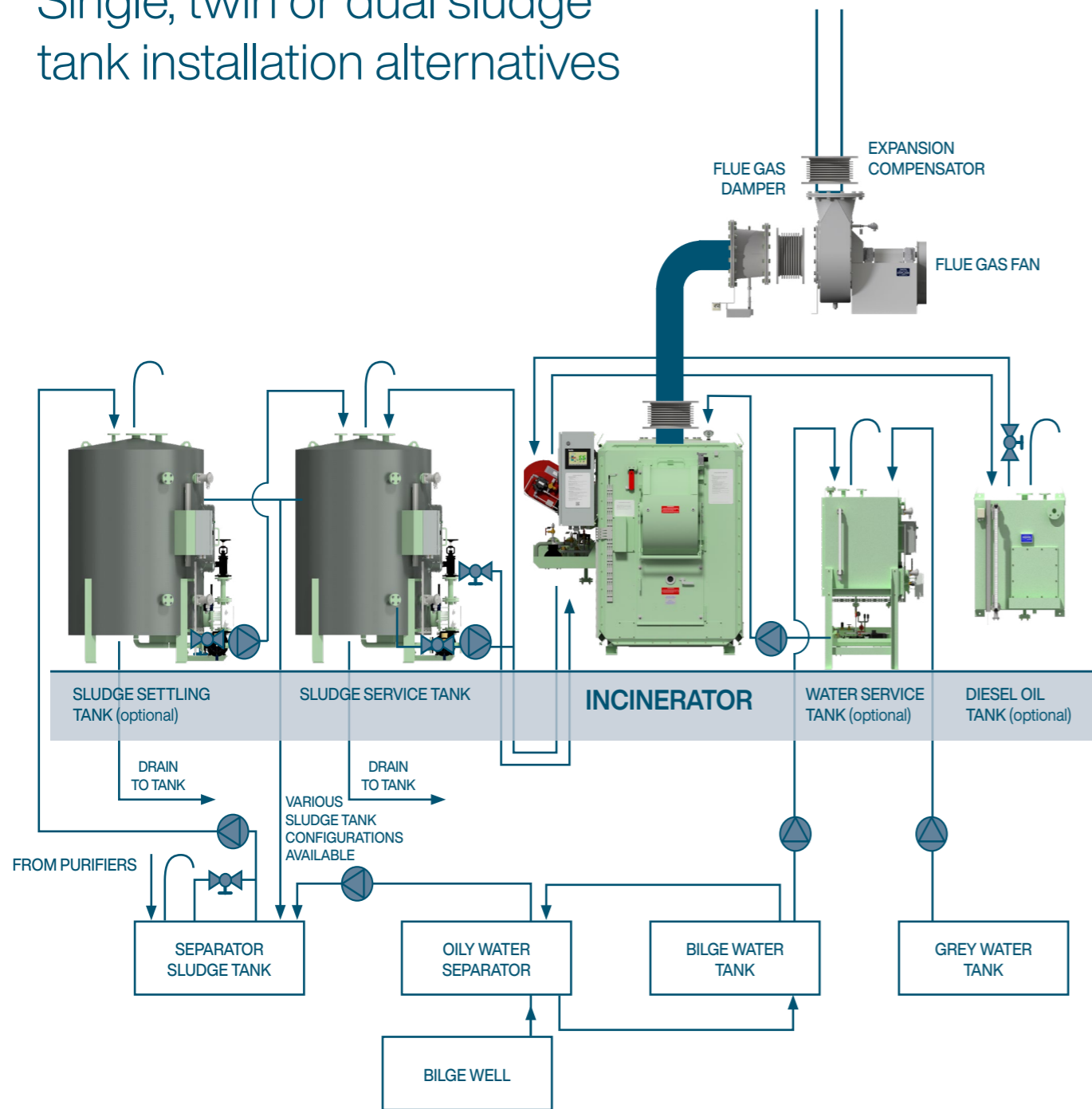
# Optional Supplement

- Level transmitter for read out on incinerator display
- TeamTec water in oil monitor for a perfect control of your sludge oil quality. Available upon request.

Type	RATED CONSUMPTION			DIMENSIONS	
	Heating by steam - thermal oil	Heating by el. power	Circ. pump el. power	L x W x H mm	kg
435 l	50 kg/h - 6-10 bar	12 kW	2,5 kW	1528 x 905 x 1767	370
700 l				1422 x 836 x 2016	500
1100 l				1632 x 1251 x 2050	500
1700 l		1905 x 1439 x 2110		590	
2000 l		16 kW		1815 x 1439 x 2360	630
3000 l		2030 x 1660 x 2470		750	
400 l	Diesel oil tank			910 x 750 x 1167	190
435 l	Water service tank	(12 kW)		1528 x 846 x 2308	491

# Recommended Ship's Incinerator Installation

Single, twin or dual sludge tank installation alternatives



## Modular Design

- Allows flexibility and many options of retrofit and extended product lifetime

## Flat-Packed Incinerator

- TeamTec bolted and modular construction
- Replaceable refractory
- All parts through a normal ship door
- Within a few days we assemble the incinerator in the final location onboard

## TeamTec containerized and skid mounted incinerating plants

Self-contained units for mounting outside on weather deck, ready for operation. The complete plants are built to the highest marine standards.

Skid



Containerized



# Lifecycle Service

TeamTec provides comprehensive after sales service for all TeamTec products.

## Spare Parts

- Fast service
- Well-stocked
- Smart storage
- Custom kits
- Continuous improvement
- Efficient delivery

Contact us – e-mail: [spares@teamtec.no](mailto:spares@teamtec.no)

## Upgrades

- Improved technology has many advantages; keywords are automation, increased capacity and lower fuel consumption
- We can offer various upgrades of both software and hardware
- Additional equipment and features can be retrofitted to further improve the versatility
- Upgrading kits make older incinerators more cost-efficient and environmentally friendly

Contact us – e-mail: [spares@teamtec.no](mailto:spares@teamtec.no)

## Service

A combination of experienced and highly qualified staff plus extensive know-how guarantees our customers will receive the highest level of customer care.

### Our service department provides the following:

- Commissioning
- Repair service
- Pre-installation survey

### Service agreement and training:

- Annual service visits
- Technical seminars
- Required training of the crew who operates the incinerator
- Simplify acceptance by local port authorities

Contact us

E-mail: [service@teamtec.no](mailto:service@teamtec.no)

Phone: +47 37 19 99 99 (24h technical service!)





## Global Incinerator Presence

The TeamTec head office and manufacturing is located in Southern Norway, but we also have a sales and service office in Singapore and a global network of representatives. Our incinerators are also manufactured at our assembly line in China, Nanjing Luzhou Environmental Products, to serve the Asian market.

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