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
Norwegian Traditions

TeamTec is continuing a tradition of maritime industrial activity at Tønne 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.
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
### 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)

#### Inverter model

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (kW)</th>
<th>Sludge feeding capacity (kg/h)</th>
<th>Solid waste loading</th>
<th>Sludge</th>
<th>Water (kg/h)</th>
<th>Fuel (kg/h)</th>
<th>Incinerator L x W x H [mm]</th>
<th>Minimum maintenance space L x W x H [mm]</th>
<th>Flue gas duct [mm]</th>
<th>Approx. weight</th>
<th>Sludge tank (l)</th>
<th>Diesel oil tank liters</th>
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<td>100 (120**)</td>
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</table>

**Expected daily consumption when burning sludge with less than 50% water content**

**With optional bilge water injection**

**Front sludge solution**

**The PLC will always try to minimize fuel consumption when energy release from waste is high enough**

![Performance Curve](image-url)
**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 in-depth advice.

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

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**Heating Options**

- Steam
- Electric
- Thermal

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**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.

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**Rated Consumption**

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<tr>
<th>Type</th>
<th>Heating by steam - thermal oil</th>
<th>Heating by el. power</th>
<th>Circ. pump el. power</th>
<th>L x W x H mm</th>
<th>kg</th>
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<td>435 l</td>
<td>50 kg/h - 6-10 bar</td>
<td>12 kW</td>
<td>2.5 kW</td>
<td>1528 x 905 x 1767</td>
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<td>700 l</td>
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<td>12 kW</td>
<td>2.5 kW</td>
<td>1422 x 836 x 2016</td>
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<tr>
<td>1100 l</td>
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<td>16 kW</td>
<td>2.5 kW</td>
<td>1632 x 1251 x 2050</td>
<td>500</td>
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<td>1700 l</td>
<td></td>
<td>16 kW</td>
<td>2.5 kW</td>
<td>1906 x 1439 x 2110</td>
<td>590</td>
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<tr>
<td>2000 l</td>
<td></td>
<td>16 kW</td>
<td>2.5 kW</td>
<td>1815 x 1439 x 2360</td>
<td>630</td>
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<tr>
<td>3000 l</td>
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<td>16 kW</td>
<td>2.5 kW</td>
<td>2030 x 1660 x 2470</td>
<td>750</td>
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<tr>
<td>400 l</td>
<td>Diesel oil tank</td>
<td>16 kW</td>
<td>2.5 kW</td>
<td>910 x 750 x 1157</td>
<td>100</td>
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<tr>
<td>435 l</td>
<td>Water service tank</td>
<td>(12 kW)</td>
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<td>1528 x 846 x 2308</td>
<td>481</td>
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</table>
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.
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

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

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
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.