



MACROTEC
Waste · Energy · Filtration

INDUSTRY SOLUTIONS HOTELS & LODGES

Over 40 years experience in engineering and monitoring of process equipment. We specialise in Waste, Energy, and Filtration.



More Info : +27 32 552 2676

✉ info@macrotecengineering.com

🌐 macrotecengineering.com

📍 KwaZulu Natal, South Africa

MACROTEC

We place a strong emphasis on developing and providing the products and services that clients require, providing the best technological solution, and providing quality products and services.

CERTIFICATION

ISO 9001:2015 Quality Management Systems
ISO 14001:2015 Environmental Management Systems
ISO 45001:2018 Occupational Health & Safety Management

OUR CLIENTS



Four Seasons



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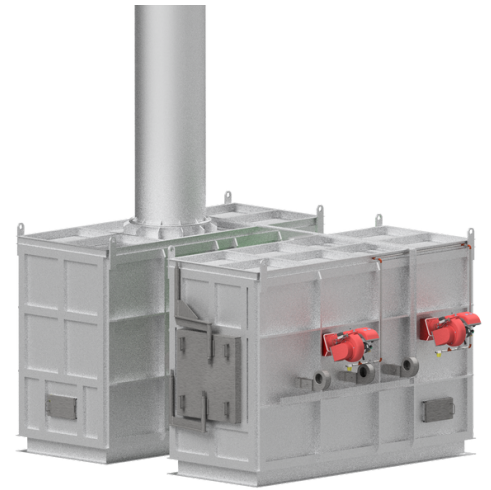


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INCINERATORS

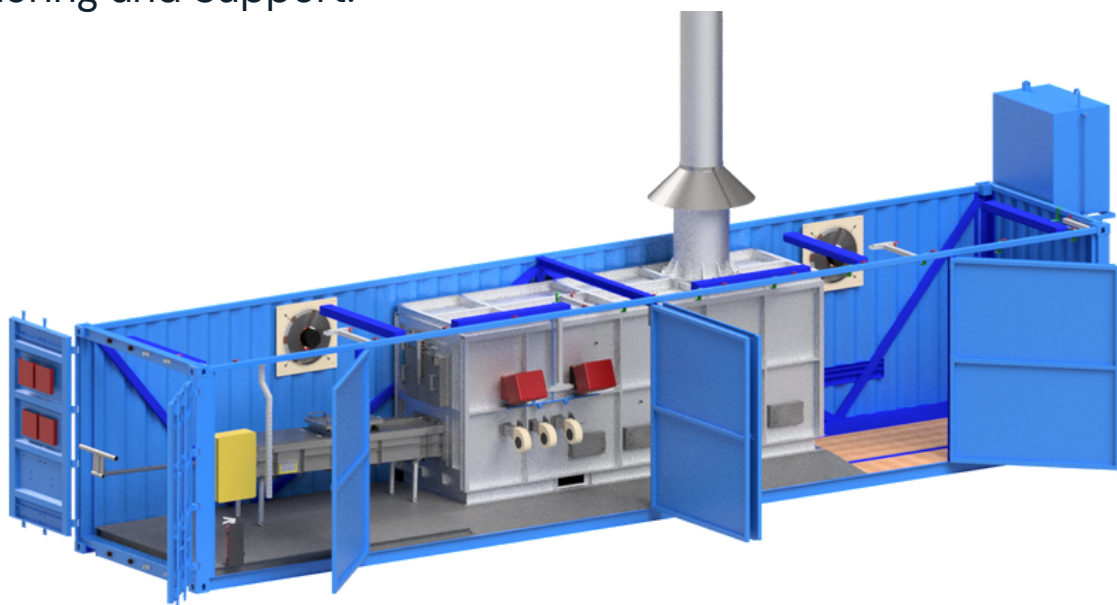
Our incinerators offer the **#1** solution for waste management in remote locations, offering high reliability and low emissions.

Our incinerators have been designed to reduce every possible threat to the environment, while providing a reliable and cost-effective solution. We make use of advanced designs in our combustion plant, which regulates the combustion rate, temperature in the different chambers, turbulence, gas velocities and supply of oxygen.



All our incinerators are optimized to minimise emissions, with large combustion and settling chambers, high velocity combustion air, and high output burners. We also offer Incinerators with Filtration for units that must comply to EU emission regulations.

Our Incinerators are two chamber units, with auxiliary burners, combustion air fans, manual or auto feeder, and a stack. Optional items include: Manual and Auto feeders, Containerised Incinerators, Remote Monitoring and Support.



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HOT WATER SYSTEMS

Our heat recovery systems provide cost effective methods to provide heating in remote or off the grid locations.

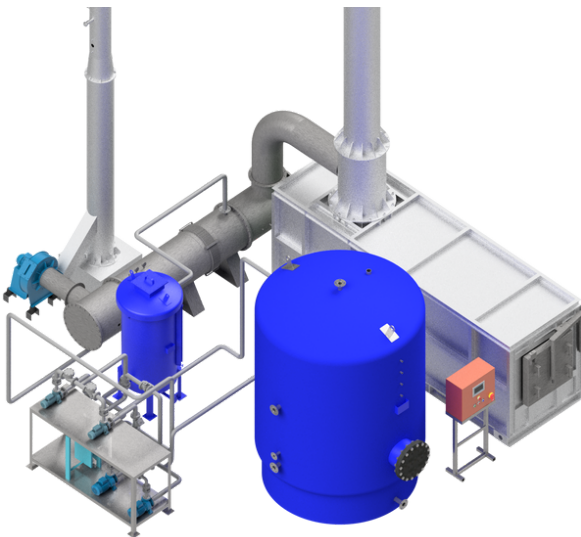
Heating can be done via electrical elements, heat pumps, or waste heat from chillers, compressors, or an incinerator. Multiple heating sources can be used for redundancy.

Our hot water systems are completely pre-installed on a skid and includes the control system as per client requirements. A monitoring system can be optionally added.



HEAT RECOVERY

Our heat recovery systems provide cost effective methods to provide heating in remote or off the grid locations.



Waste heat recovery options include:

- Incinerators
- Chillers
- Compressors

To add redundancy to the system, a conventional heating source can also be added.



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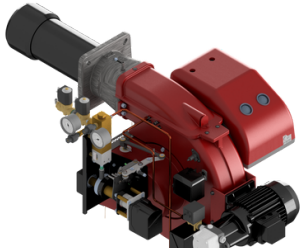
EQUIPMENT & PLANTROOM MONITORING

Our IIoT (industrial Internet of Things) platform allows you to easily monitor equipment and sensor data.

Our sensors allow Performance & Condition Monitoring of fans, motors, pumps, cooling and heating systems, and compressors. This allows you to optimise operation, reduce costs, and plan maintenance better to prevent unplanned downtime.



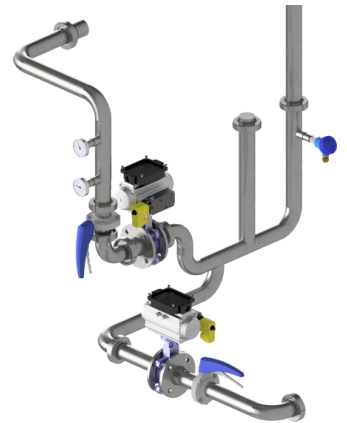
BURNERS



We supply, install, and maintain a wide range Diesel, HFO, LPG, Natural Gas Burners, Waste Oil, and Dual Fuel burners and burner spares, along with Burner Management Systems.

INSTRUMENTATION

We supply, install, and provide complete solution engineering for Process and Condition monitoring systems. This includes a wide range of Process Sensors, Position Sensors, Flue Gas Sensors, Condition Monitoring instrumentation, and Industrial Gateways.



MAINTENANCE & REPAIRS



With our site services team we offer complete maintenance solutions, including mechanical, electrical, electromechanical, and refractory work.



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