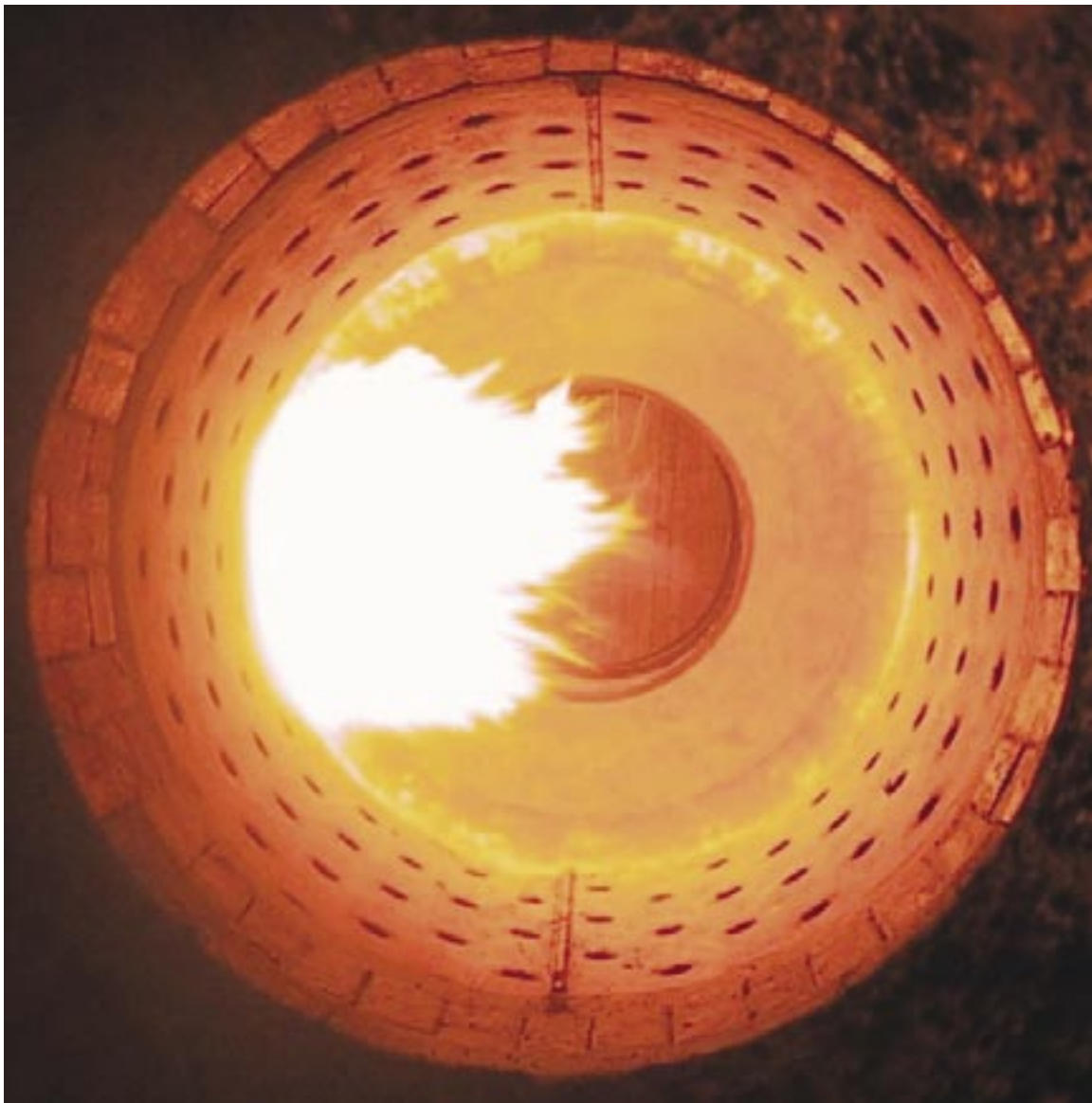




International Limited
Combustion Engineering for the 21st Century

Engineered Projects & Solutions



Design Manufacture

Innovation & Experience

Proven Technology

Cost effective



Engineered Systems

Over the years 3Ts International Ltd has applied its experience to solving a wide variety of combustion engineering applications including:

- Waste treatment and waste disposal
- Safety gas flare stacks for Breweries, Confectionary manufacturers, Petrochemical, Landfill sites and Sewage treatment works.
- Thermal disruption for oil based drill cuttings.
- Liquid waste incineration, waste oils, aqueous wastes and chemical.
- Munitions, flares and canister disposal incinerators.
- VOC abatement systems.
- Waste to energy systems.
- Mobile and containerised incinerators
- Fume/Exhaust treatment systems.



Landfill Gas Flare 5500m³/hr - Colombia

Safety flare Stacks

Landfill, Bio and digester gas systems

Flare stacks are designed to specific customer requirements to suit each application. Our experience has been successfully applied to systems having flow rates from 150 cubic metres per hour up to 50,000 cubic metres per hour and for a wide range of gases and special site requirements. We can offer both enclosed and external type flare systems depending upon the environmental requirements at the site location. 3TS has worked with Water Authorities world wide on Sewage treatment projects supplying safety flare stacks for low CV (Calorific Value) methane as well as systems for digester and Bio gas and Petrochemical plant for the venting of Bitument tanks. We welcome new and challenging application and can provide competitive and reliable technology to meet most customers needs.



Bio Gas Flare 20,000m³/hr - Europe



VOC - Recuperative Thermal Oxidiser 55, 000m³/hr - Dallas Texas

Exhaust Fume Abatement Systems

Systems designed for basic and fully integrated plants including continuous and batch paint and coating lines and oven, booths and printing extract, fume exhaust from food industry and Abattoirs.

Specialist recuperative systems for VOC abatement, provides a fuel efficient answer to an environmental requirements.

3TS have designed systems for many applications with installations in the United States, the UK, Ireland and the Middles East.

Our engineering innovation will ensure our customers benefit from reliable and efficient equipments even in the most difficult of circumstances.



Stands for the three principles of good combustion:
TIME
TEMPERATURE
TURBULENCE

Liquid Waste Incineration Aqueous, oil sludge and chemicals

Engineered solutions for the disposal of liquid waste always been a demanding and innovative field. We offer our customers not only the best available technology, we also offer cost effective and reliable systems which often include waste heat recovery. 3TS systems combine solid engineering principles with tried and tested designs that can comply with European and US emission standards.

The benefits from 3TS systems to customers can often be the savings in waste disposal cost and the independence from waste contractors and escalating disposal costs. Waste heat recovery can be applied to new and existing plant and can also show a significant cost saving in most cases.



Liquid aqueous waste incinerator Khuf gas fired, 24,000m³/hr - Bahrain



TD5000 Mobile Thermal Sludge treatment system 0.5 to 1m³ / hr

Sludge treatment systems

Thermal decontamination of soils and sludge's can be achieved economically by means of the TD5000 mobile decontamination system. conveyors, burners and is a compact design for ready site use with minimum set up time required.

The treated material can often be decontaminated to a clean material suitable for disposal back to normal ground, road base or landfill.

Offering 24 hour operation the small but compact system is ideal for small to medium applications in the Oil field.

Systems only require two operators for safe operation, 3TS provide on site training if required.

Rotary Incineration & sludge treatment systems

For larger capacity applications we offer rotary type thermal treatment or incineration systems. The RC range offers continuous 24 hour operation and large throughput capacity for static and mobile application, which include:

- Sewage Sludge incineration
- Waste Oil and tank bottom sludge incineration
- Soil decontamination
- Drying applications
- Industrial sludge decontamination Inks etc
- Hazardous waste incineration
- Municipal solid waste MSW
- Abattoir waste incineration
- Oil based drill cuttings

Engineered to meet EC and US emission standards where used for incineration processes and can combine waste heat recovery with a fully automated system.

Our facility allows us to test customer samples to ensure design compatibility running costs and product quality.



Model RC2 Thermal treatment system for Oil Based Drill cuttings - Middle East

 **UNITED KINGDOM**

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