

Recycling & Treatment of Waste

Green Waste Compost

Household Waste Organics Recover

Energy Recovery from Waste

Secondary Metals Recycling

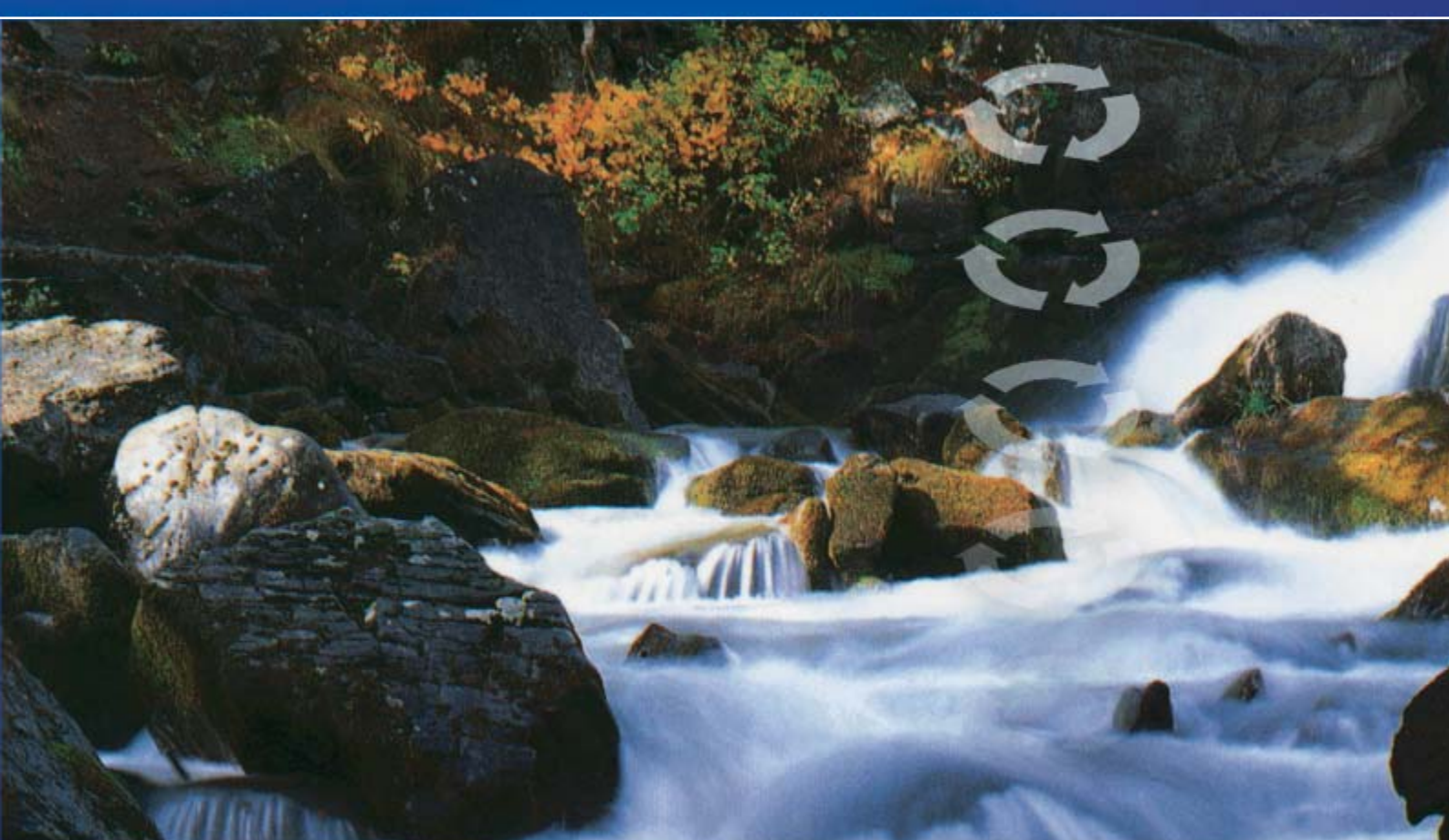
Building and Managing Landfill Sites



S.T.R.



Waste Management & Recycling Group



## What S.T.R. can do

**S.T.R. Waste Management & Recycling Group is engaged in the provision of a range of waste management services:**

- Network of waste reception and recycling centres providing delivery points for customers and cost-effective recycling solutions
- Green Waste composting, offering an alternative to peat-based products
- Landfill building and management
- Electricity generation from landfill gas
- Management of household waste recovery sites for local authorities, providing an important services for the general public
- Recycling and recovery processes with recover the organic fraction of household waste for use as soil conditioner
- Energy from waste plant processing household waste
- Liquid waste treatment and water regeneration plants
- Recycling of Secondary Ferrous and Non-Ferrous Metals.



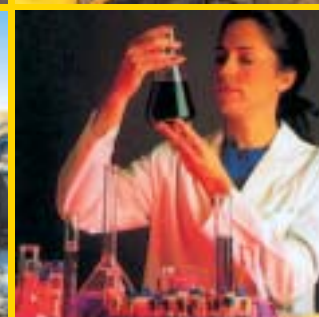
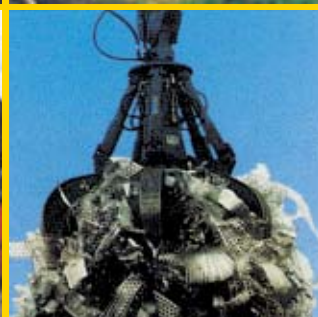
HAZARDOUS AND NON HAZARDOUS LIQUID WASTE TREATMENT



ALUMINIUM SCRAP RECYCLING PROCESS



WATER TREATMENT AND REGENERATION PLANTS



SECONDARY FERROUS AND NON FERROUS METALS RECYCLING

WASTE CHEMICAL ANALYSIS UNIT

LANDFILL PREPARATION AND MANAGEMENT

## Green Waste Composting

S.T.R. Waste Management & Recycling Group is leader in composting, processing thousand of tones of green waste a year.

Composting reduces the amount of organic waste which goes in the landfill as well as producing a valuable product which can be used as a soil enricher in large restoration projects.

## Recycling

S.T.R. Waste Management & Recycling Group owns and operates a network of waste recycling centres to receive and process commercial, industrial and household waste with the emphasis on maximising cost effective recycling via a variety of technologies. The Company's focus is on providing commercial solutions to local authority customers in meeting their recycling obligations and promoting sustainable recycling. S.T.R. manages a large number of Civic Amenity sites where members of the public sector deposit a wide range of bulky household wastes with the highest recycling rates achieved compare to other competitors.

SOLID WASTE RECYCLING



## Energy Recover

Organic waste deposited in landfill sites degrades naturally and gives off a gas rich in methane which has to be controlled for environmental reasons. However landfill gas can also be a cheap, clean and highly efficient source of renewable energy. Through strategic long term contracts, S.T.R. is capable to generate electricity from landfill waste to energy scheme. This gas is collected and converted to electricity for safe and supply to local grids.

ELECTRICITY GENERATION FROM RESTORED LANDFILL



SCREENING HOUSEHOLD WASTE/ORGANIC WASTE READY FOR COMPOSING



COMPOST READY FOR USE



## Landfill

There is growing awareness of the need to minimise household waste, increase recycling and recovery and reduce the amount of biodegradable waste sent to Landfill. But Landfill will underpin emerging recycling and recovery technologies until at last 2020, by allowing the safe and economic disposal of residual, non-value waste. For example, restoration of worked out quarries by infilling with waste to the highest engineering standards can return land to productivity use – whether for agricultural or amenity purposes, or simply by improving local biodiversity. With ever-increasing demands on raw materials and the number of quarried holes increasing, it is clearly not sustainable to allow them all to fill with water and not to restore the land.

## Scrap Metals Recycling

S.T.R. excels in all areas of scrap metal transportation, handling and processing. State-of-the-art scrap metals processing capabilities including brokerage and scrap trading domestic and international, toll and return scrap processing, traffic and logistics services, outsourced managed services, on-site scrap management, demolition services.

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\* 'S.T.R. Waste Management & Recycling Group' is a trading name of 'Societa' Toscana Recuperi S.r.L.' a limited liability company incorporated in Italy of Livorno Court No. 14856 registered office as above.