



Sogliano
Ambiente

Recovery of materials
from waste

We turn waste into
resources while protecting
the environment.

Sogliano Ambiente

Recovery of materials



Since 1996 Sogliano Ambiente has been setting the benchmark for transforming the problem of waste into an opportunity **for growth and economic development**. We find solutions to all waste recovery and disposal problems for industries large and small, businesses and farms as well as for public waste management facilities. We operate both through **direct intervention and treatment**, and providing **consultancy and intermediation services** for all operations not performed directly.

Since May 2006 we have been operating our own **waste recovery plant in Sogliano**. This 14,000 m³ facility has an authorized capacity of 40,000 t/year to recover the reusable fraction of waste derived from sorted flow. The sorting activity, performed both manually and mechanically, produces uniform types of materials that meet the needs of recycling facility production cycles. Process residues are disposed of daily in the company-managed landfill.



Services

- Supply of suitable equipment (bins, rolling compactors, press containers, etc.).
- Loading, transport and treatment of the waste.
- Final disposal of the residues in its own facilities.
- Management of waste not directly treated in the plant (e.g. hazardous waste), acting as intermediary between producers and authorized, qualified final disposal bodies.

Mobile shredding and screening plant



Our mobile urban waste treatment service makes it possible to separate **the dry fraction** from **the organic fraction**, that can rot, with the aim of future disposal or recycling. Upon request, the service can be completed with **stabilization** of the organic fraction and **disposal** of the residual fraction. Considering a maximum treatment capacity of 60 t/h and operating 2500 h/year, we estimate a **maximum annual treatment capacity of 125,000 t** of urban and non-hazardous special waste.

Mobile crushing plant



Our mobile demolition and construction scrap recovery service can recover **secondary raw materials for construction** by screening, grinding and separating both the metal fraction and the undesired materials. This results in an **inert fraction** suitable for embankment and road and railway beds, industrial yards, etc. Working directly **in the yard**, this plant prevents the need to move demolition waste or debris.

Stabilization plant



The project, the first in Italy and produced with Atzwanger-Ecomaster-Bioferm engineering, calls for the construction of an anaerobic and dry aerobic stabilization plant for urban and special waste derived from separated waste collection.

It will be built in the vicinity of the Ginestreto waste recovery plant and will serve to **recover materials and energy from the organic fraction of the urban and special waste** and will be able to handle up to 50,000 t/year of incoming waste.

The industrial process is broken down into two phases:

- **Fermentation** in an anaerobic environment, i.e. in the absence of molecular oxygen and unbound to other elements; degradation of the organic substance produces carbon dioxide and methane gas which can then be used to produce electricity.
- **Composting** to produce **fresh compost** and ripe compost, rich in humic substances.

Moreover, on the roof of the building, a **photovoltaic system** will be installed to produce an additional 998.76 kW of electricity.

Waste treated

Waste recovery plant, Sogliano al Rubicone (FC)

Our waste recovery activities produce the following types of materials to be sent to final recyclers:

- Corrugated cardboard 90/100, UNI EN 643 Code 1.02
- Waste paper, UNI EN 643 Code 1.01
- Kraft and scrap paper, UNI EN 643 Code 4.02/4.01
- AWhite paper and printer paper, UNI EN 643 Code 3.05
- Neutral/transparent or floral LDPE for washing
- HDPE (rigid packaging)
- PP (rigid packaging, big bags, raffia)
- PVC (slabs and sheet)
- PET (bottles)
- Mixed wood (packaging and panels)
- Steel and metal scraps
- Inert materials

Waste stabilization plant, Sogliano al Rubicone (FC)

- Screening of unsorted wet waste for biostabilization to produce off-spec compost (code 190503) to be used in landfills or environmental restoration;
- Urban waste from separated waste collection, to be used in the digestion and composting processes which produce quality compost for specific uses;
- Special waste, to be used in the digestion and composting process which produces quality compost for specific uses.

Mobile shredding-screening plant

- Mixed waste – code CER 200301
- Wood, wood scraps and similar products – CER 030101, 030105, 150103, 170201, 200138
- Paper and cardboard – CER 150101 and 200101
- Plastic – CER 150102, 170203, 200139
- Mixed urban waste – CER 200301, 200302, 200307
- Residues from recovery operations R13 – CER 191212

Mobile crushing plant

- Waste from the production of cement-based composites – CER 101311
- Cement – CER 170101
- Brick – CER 170102
- Tiles and ceramics – CER 170103
- Cement mixtures or scrap, brick, tiles and ceramics – CER 170107
- Gypsum-based construction materials – CER 170802
- Mixed construction and demolition waste – CER 170904
- Unseparated urban waste – CER 200301
- Bituminous mixtures – CER 170302
- Gravel and stone scraps – CER 010408
- Stone processing waste – CER 010413
- Scraps from ceramics, brick, tiles and construction materials (subject to heat treatment) – CER 101208
- Soil and rock – CER 170504

For information:

Sergio Angeli

Director – Waste treatment plant
angeli@soglianoambiente.it
mobile 335 7644184

Silvia Carini

Manager – Waste treatment plant
carini@soglianoambiente.it
mobile 334 6424741



**Sogliano
Ambiente**

Sogliano Ambiente S.p.A.
Piazza Garibaldi 12
47030 Sogliano al Rubicone (FC)
Tel. 0541 948910 – Fax 0541 948909

www.soglianoambiente.it
info@soglianoambiente.it