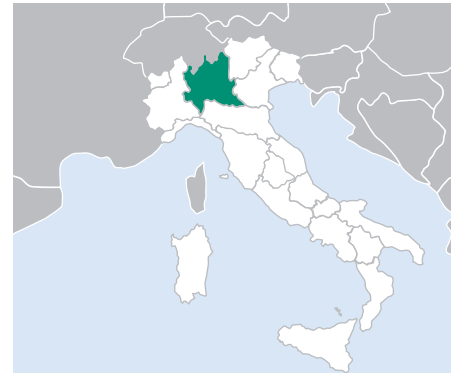


40 **GUANZATE (CO) ITALY**

Year	2004
Client	ECONORD SpA
Operator	ECONORD SpA
System description	Tunnel composting
Waste processed	Organic waste
Plant capacity	15,000 t/year



The end product deriving from the bio-conversion of source separated organic waste is a high quality compost which may be marketed for agricultural use without restrictions.



Ecomaster has designed and supplied on a "turn-key" basis the biological treatment system, while the equipment for mechanical treatment has been purchased directly by the Client.

After shredding and mixing, the first phase of biological treatment occurs in five in-vessel reactors, called biotunnels.

After this active composting phase, the material is moved by wheel loader to the primary maturation area, which is based on an aerated floor system.

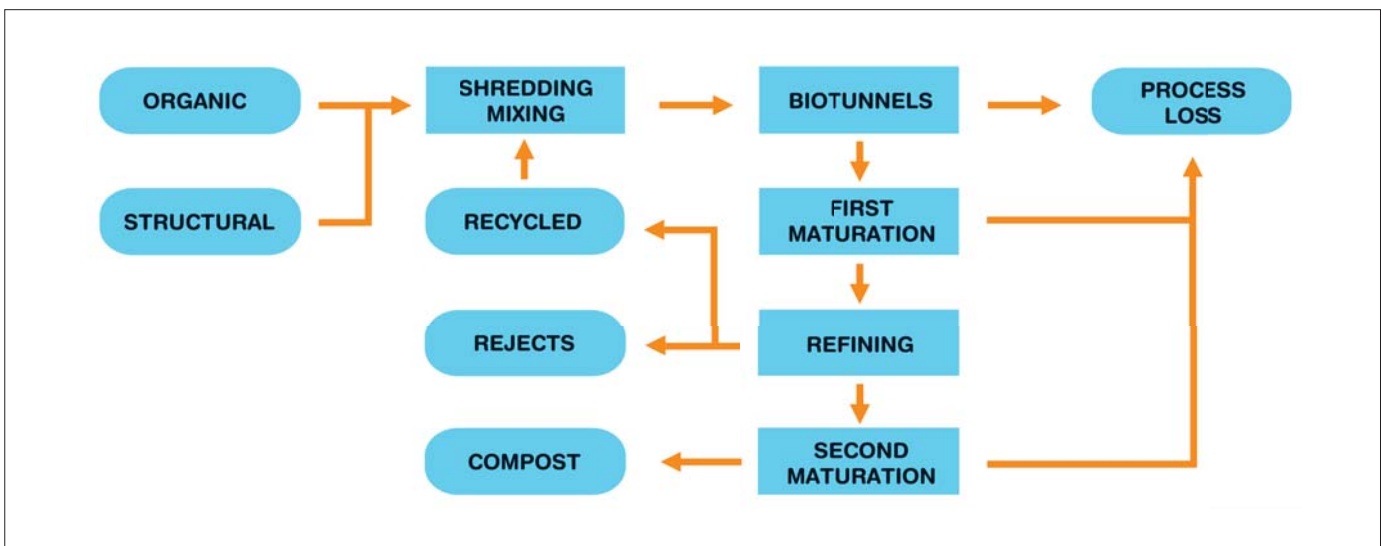
Raw compost is therefore processed and the fine fraction is sent to the secondary maturation system, which is also based on an aerated static pile.

All biological treatments are completed indoors. The waste air from the biotunnels and from the maturation building is processed by a scrubber and a biofilter for odour control.

The hearth of the plant is the computerised control system, which allows for an automatic operation of the process. The automation system includes a PC based interface for data visualisation, which makes very simple the operation of the plant.



© 2009 ECOMASTER ATZWANGER



A PASSION FOR WASTE & ENERGY

ATZWANGER SpA . Division Ecomaster Atzwanger
 Via Palmanova, 31 . 33050 S. Maria La Longa (UD) Italy
 Tel. +39 0432 920175 . Fax +39 0432 923393
 www.ecomaster.it . www.atzwanger.net