



BIOMODIL
Technologies for nature





Biomodil srl, holder of the **CLF Modil®** patent, deals with the design, construction and marketing of modern and inexpensive systems for the biological treatment of sewage, biogas digestate and in general of zoo technical and agro-food waste, referring to natural systems of transformation into organic substance.

Biomodil is now part of Gruppo Epta.





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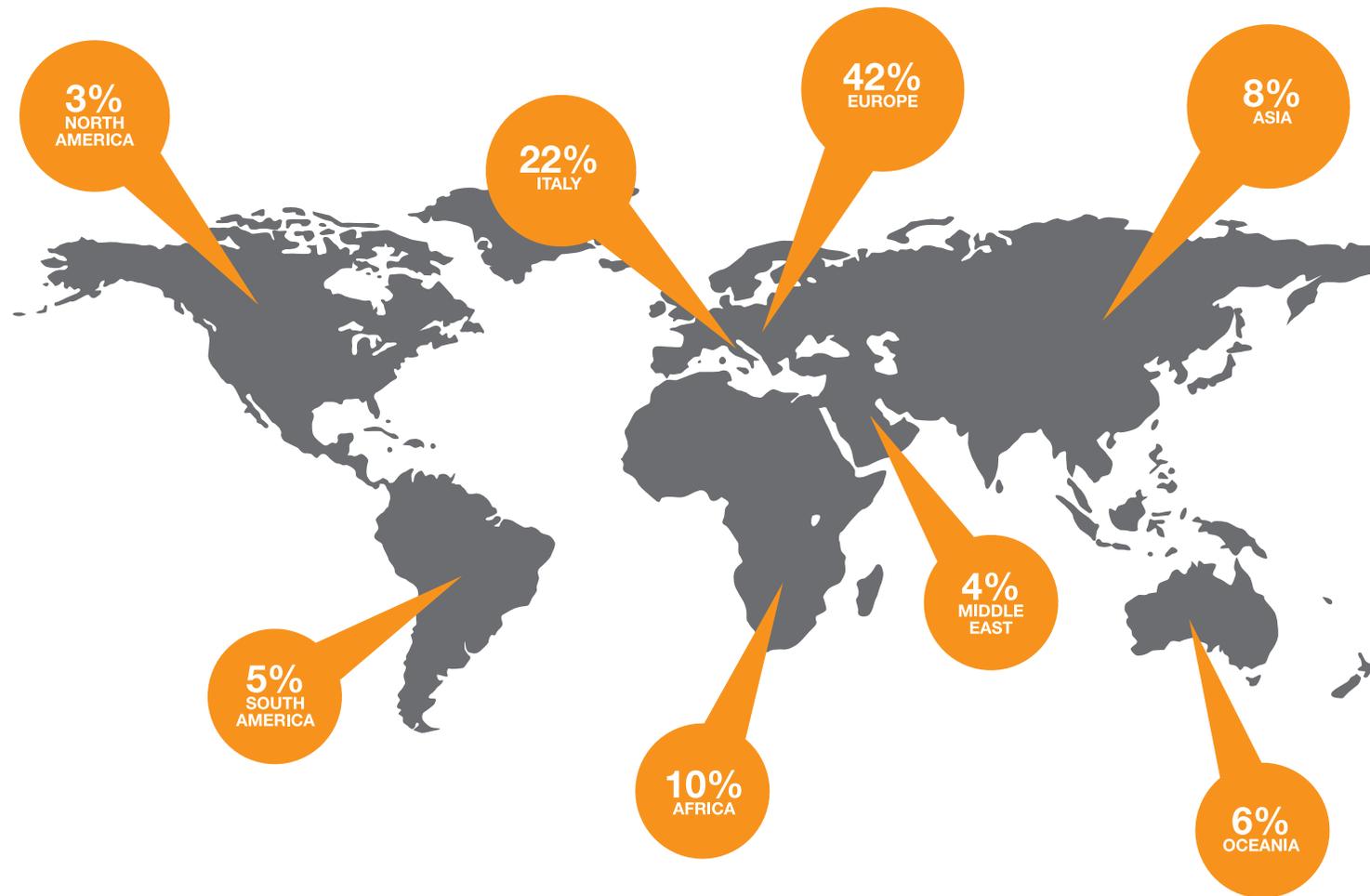
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Epta Group turnover 2021: **172.000.000 Euro**

Number of Epta Group members: **480**

Surface Epta Group Companies: **60.000 mq**







BIOGAS
BIOMETHANE
DIGESTATE



ZOO
TECHNICAL
WASTE



AGRI
FOOD
WASTE



ORGANIC
SUBSTANCE



CLF MODIL

It is a modern, inexpensive biological treatment plant of sewage, of biogas digestate and of zoo technical and agro-food waste, referring to natural systems of transformation into organic substance.



The CLF Modil® technology consists in the transformation of liquid and solid waste into workable material with the use of organic material with low moisture content (shredded straw, wood shavings, sawdust, shredded maize stalks etc.)

The CLF Modil® plant consists of a structure characterized by a supporting frame that runs in longitudinal direction along the underlying tank containing the vegetable biomass, carrying out the distribution of the waste on the surface and then using the cochlea to move and oxygenate the biomass.

The CLF Modil® process represents an innovative technology that brings benefits and advantages to farmers, a better safeguard of the environment and quality of life, with strong energy savings, cost reduction, elimination of bad odours and realization of an important virtuous circle in the production chain of livestock farms.





TRANSFORMATION OF WASTE AND DIGESTATE

Transformation of zoo technical, digested and agro-food waste into a workable, odour-free, stable product that can be used in an agronomic or commercialized environment.

REDUCTION OF INITIAL VOLUMES

With the use of the CLF Modil® plant, there is a reduction in the volumes of introduced waste up to -85%.

REDUCTION OF LANDS

Consequently to the reduction of the nitrogen load, there will be a proportional reduction of the lands necessary for the spreading practices of the obtained product (UP TO -75%), this also to advantage of vulnerable zones.

REDUCTION OF NITRATES

The CLF Modil® reduces the nitrates (nitrogen load) of waste and digestates treated through the aerobic fermentation process.

ECO-FRIENDLY ORGANIC SUBSTANCE

The product obtained with the use of the CLF Modil® turns out to be an eco-compatible soil conditioner that provides the soil with the organic substance necessary for restoring land impoverished by crops. The Compost that comes out, in addition to being free of weeds, coli, moulds, mycelia, insects and larvae, acquires great commercial value and excellent stabilization.

ELIMINATE SMELLS AND HARMFUL EMISSIONS

Tests carried out, show that even during the processing cycle odours and emissions are far below the limits set by current regulations.



1 INTERNAL PRODUCTION PROCESS (VERTICAL INTEGRATION)

The five steps of the production process are completely managed within the company.



2 INVESTMENTS

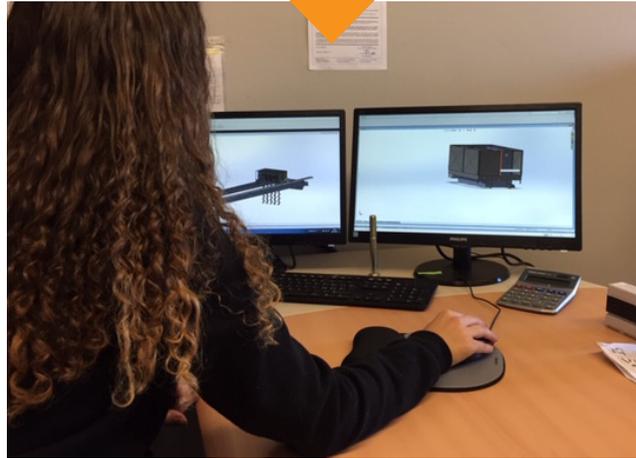
Over the past 3 years, the Gruppo Epta has invested more than € 10,800,000 in technology, machinery and factories.



3 AFTER SALES

Biomodil follows its customers at all stages, from planning until after-sales service.





Biomodil srl

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