

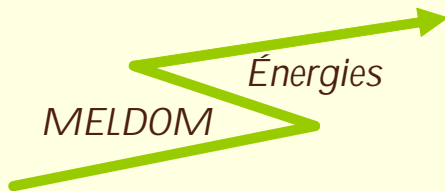


MELDOM
Énergies

MELDOM Énergies

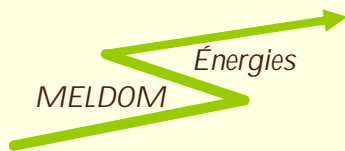
PRESENTATION

MELDOM Énergies 211 rue de la Convention 75015 Paris Tel : 0175512007 Fax : 0148421088
RCS 508 117 181 Paris Siret : 50811718100018 TVA intracommunautaire : FR47508117181
Site : www.meldom-energies.com Courriel : info@meldom-energies.com



THE COMPANY

- Created in order to market, under a licence approach, worldwide our know how in the anaerobic treatment process of organic wastes .
- « Know how » developed over a thirty years period by Pierre lemaire, a self made man designer.



LES TECHNOLOGIES

MELDOM Energies uses two technologies, developed and patented by Pierre lemaire, one of our share holders, under the name PL™ :

- "Constantly Stirred" and "Contact" in one tank
- du lit de boue
- These two technologies can be used separately or mixed.
- Both need to be constantly stirred in order to get :
 - a continuous working
 - a very simple maintenance

The Waste materials

- All kinds of wastes materials under liquid or semi solid form.
- All organic animal manure and public wastes after sorting.





The Results

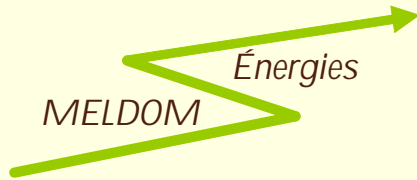
- The technology used allows to get the following figures :

For one ton of treated biomass we get in average :

- 80 m³ of methane
- 160 kwh/e electric
- 350 kwh/t heat

And ...

- around 90% of fertilizer which must be pre treated before to be spread on lands.



The Know How

- MELDOM Energies is the design office which has built all the plant mentioned in our realizations.

- Every new plant has contributed to developed :
 - the process and to get the up mentioned patent.
 - the quality of the fertilizer



The Licence

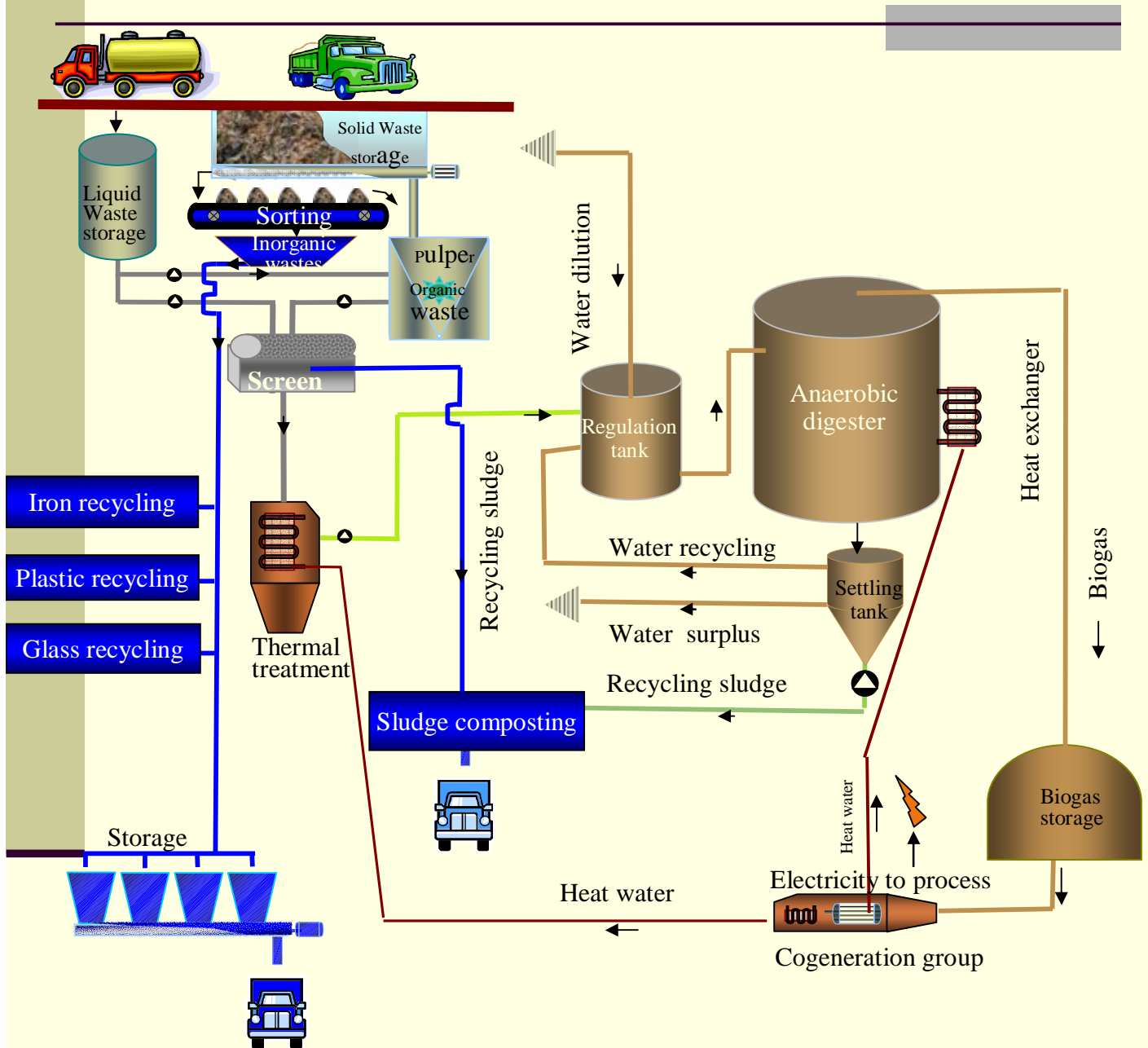
- The following steps are proposed

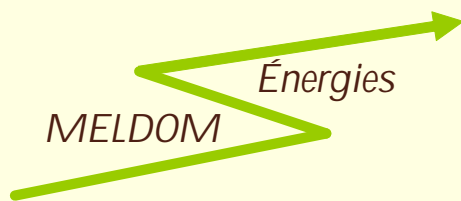
- Confidential agreement.
- Pre study on your own project.
- Full report on technical, financial and environmental aspects.

- Negotiations.
- Technologies transfer.
- Follow up of the first plant realization

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PL™ PROCESS





THE REALIZATIONS

- **1982** Design and realization of a small (150 M3) reactor to treat effluent sewage from an industrial milk treatment plant. This digester was one of the first to be computerized. This unit has worked non stop until 1992 when the milk plant was shut down.
- **1984** Design of a pilot reactor to treat effluent sewage of a cheese factory. This plant was also fully controlled by computers.
- **1993 to 1995** Full development of the software and smart modules able to detect the failure of measurement systems (pH meter, thermometer, etc..) and to correct them automatically.
- **1996** Design and realization of an experimental reactor to treat polluted water generated by a wine production company. This plant was fully remote controlled and has proved the feasibility of treating wine effluents using an anaerobic process.
- **1997** Design of an industrial anaerobic reactor for a Spanish distillery. This plant is treating more than 200 m3 of waste water and is remote controlled from France.
- **2000** Design of a pilot anaerobic plant for the Allied Domecq Co. in Mexico.
- **2002-2003** Industrial development of the above for a 5000m3 capacity.
- **2005** Participation in the European community project TELEMAC
- The purpose of this project was to develop, in conjunction with some European university and industrial Companies, a new remote controlled and maintenance software for waste water treatment. For that purpose some new gauges and measurement equipments have been designed.
- **2008** Design of a 4400 m3 reactor for a French group of farmers in the south west of France. This design uses our process and includes depollution, deodorization of direct and indirect waste generated by large breeding farms.

This plant should be built in third quarter of 2010

