

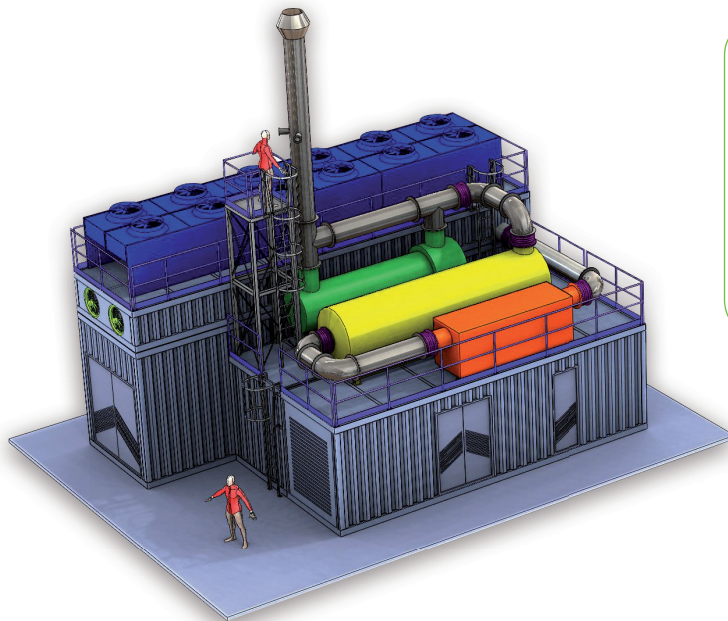


After INGRA BROZZI also ILSAP and SICILGRASSI choose eco.ti®

Reliability, respect for the environment and high performance.

The companies Ilsap s.r.l. and Sicilgrassi s.r.l. - important national companies in the rendering field and in the slaughtering by-products - have chosen the eco.ti® technology of Termoindustriale SpA. The above mentioned companies entrusted to Termoindustriale the task of design and realize nearby the production sites of Latina and Catania, two modern cogeneration power stations eco.ti® 1.0 (994 kW electrical power) fed by animal fat. The power station of Ilsap will exploit the fat of Category 1 while that of Sicilgrassi will use the fat of Category 3. Each plant will be realized in container, in order to reduce the overall dimensions and will employ a M.A.N. Diesel engine Heavy duty 750 rpm (Biofuel line) ensuring high economic savings as well as the opportunity to use the thermal energy within the production site, benefiting of all incentives for the production of energy by renewable sources.

Termoindustriale has already begun the arranging and managing of the authorization procedures, in order to allow, in addition to the commissioning of the plant, also the obtaining of the incentives.



3d layout
of the power station eco.ti® 1.0
(electrical power 994kW)
fed by animal oil.

CONTAINER SOLUTION

Animal oil: a clean, renewable and profitable source...

The power stations ILSAP and SICILGRASSI will enhance the value of the fat processed and therefore the production of renewable energy, with positive effects in terms of environment and economic benefits.

The electricity produced and introduced into the national grid will benefit of the feed in tariff of 280 Euro / MWh. The recovered thermal energy (steam and hot water at 85 ° C) will be used in the production process, reducing consumption of natural gas, with further significant savings.

*The opportunity for agrifood industries
to enhance the value of the by-products processing
(too expensive to be disposed and available in big quantities)
is more advantageous.*

Electricity and heat from animal fat processed: Termoindustriale, true specialist in this field.

Great interest and involvement in the Conference of Correggio.

Last 11 May in Correggio was held the conference on the theme "Animal fat: a clean and renewable source of energy" organized by Termoindustriale.

Many interested people attended to this event in order to analyze in depth the technology and the regulations as well as the authorization procedures. Particularly interesting was the experience description of two important leading companies (Unitea and Consorzio Latterie Virgilio) that have already chosen to invest in renewable energy, relying on Termoindustriale.

Moreover, as documented during the conference, the payback time for an eco.ti® power station fed by animal fat can be reduced by two years, ensuring an exceptional performance.

And now that the Legislative Decree 28 of 3 March 2011 has extended the incentives (feed in tariff of 280 Euro/MWh set for fifteen years) also to power plants with electrical power lower than 1 MWe, all the companies that produce animals fat, can take this great opportunity, relying on a liable partner.



Conference of 11 May 2011 in Correggio.

The speakers who presented the eco.ti® technology. There were also the Industrial Director of Consorzio Latterie Virgilio Eng. Buttasi and the President of Unitea Dr. Gallerani, who have already chosen and are using the eco.ti® technology.

Eco.ti®: certain investment.

- **Termoindustriale Experience:** over half a century of history in advanced installations, with about 50 MWe already installed and others 30 are going to be installed.
- **Quality:** the eco.ti® power stations use only components of Italian and foreign leading brands. Termoindustriale is the exclusive partner for Italy and Romania of M.A.N. Diesel, world leaders in the construction of Medium and Low Speed engines (1000 to 750 rpm), guaranteed to work with animal and / or vegetable oils .
- **Reliability:** the eco.ti® power stations are designed to use animal fat and vegetable oil, without using diesel fuel for cold starting or for stopping the engine.
- **Saving and efficiency:** the eco.ti® power stations consumptions are among the lowest in the category. Also the maintenance costs are minimized (there is no need to change oil, just reintegration). The low power consumption ensure high economic benefits, the maximum electrical efficiency (from 41% to 43% depending on the version) and more respect for the environment.
- **Respect for the environment:** the eco.ti® power stations guarantee the lowest emissions levels (considerably lower than those accepted by regulations, both for Nox and for dust).

MAN Diesel



No worries:

Termoindustriale is a single line of contact for all your energy problems.

Just one point of reference managing all your needs, from feasibility studies through to the delivery and installation of the power station and beyond.