



GENSETS · CORPORATIVE · PRODUCTS · SCIENCE&TECHNOLOGY · INNOVATION

PRESENTATION IN GUATEMALA



INMESOL's Luis Navarro, Mr. Allan Rasch Topke and Mr. Boris G. de León

Inmesol, represented by Luis Navarro, Latin America Commercial Manager, has travelled to Guatemala to present the innovations developed in regards to generators over the last months.

The event was organised by our distributor **Topke**, and their president, **Mr. Allan Rasch**, was in charge of the day's opening.

The day's first part was held at the Conquistador Hotel and targeted the Guatemalan technical and industrial staff: Representatives from **industrial facilities, project engineering, and businessmen from the agricultural and irrigation sectors**, among others.

Luis Navarro opened with a brief introduction about INMESOL, its philosophy, and productive system, following later with details on the products and new **innovations** introduced.

The **new range of gensets for agricultural and livestock farming operations, the new rental range, the new engines**, were discussed in depth during the meeting.

Attendees were very interested in the gensets' **different settings** and found INMESOL's sets distinctive characteristics very attractive: The canopy's finish, the **soundproofing**, the chassis' **water-tightness**, the **technology** within their control panels, and the **quality** of the parts that make up the genset, with **engines and alternators** from highly renowned brands.

The second part of the day was held at **Topke's facilities**, where the previously discussed gensets could be displayed live.

Gensets of **different ranges** and designed for a broad array of applications available within Topke's wide stock.

All questions from attendees were answered by Topke and INMESOL's Engineers.



Moments of the presentation.



Sergio Frutos and Antonio Escudero from INMESOL Engineering and Post-Sales Department attended the workshop.

MTU COURSE IN INMESOL

A technical – commercial training day was held last week in INMESOL about the innovations that MTU has developed in its engines, highlighting the technological advantages of the new models.



INMESOL genset model CT-1500

MTU is one of the engine suppliers with a business relationship dating back to almost the beginning of INMESOL's activity as a manufacturer of electrical generators.

Pablo Fernández and Héctor López, MTU Application Engineers delivered an interesting course, where INMESOL's commercial, technical, and post-sales service departments had the opportunity to learn interesting developments for applications that have a continuously growing current demand, among other things.

We talked about the new 3F and 3G application groups, appropriate for Data Centers and Mains backup applications respectively.

DATA CENTERS:

The new age of technology and telecommunications, as well as the volume of information available today globally and on which the current economy is based,

requires an increasing demand of Data Centres, both externally as well as within companies.

MTU has developed engines for use in emergencies in case of mains failure, that complies with all the specifications needed for these types of applications, including compliance with the requirements from the Uptime Institute, specialised Data Centres certification authority.

APPLICATIONS WITH FAILOVER TO THE MAINS (GRID STABILITY POWER)

This type of applications are characteristic of locations where a good electricity generation and distribution system is not available, either due to their age or because these locations energy generation is based on renewable sources (wind parks or photovoltaic power stations) where the production may be interrupted due to lack of wind or sun.

“ MTU HAS DEVELOPED ENGINES FOR USE IN EMERGENCIES IN CASE OF MAINS FAILURE, THAT COMPLIES WITH ALL THE SPECIFICATIONS NEEDED

In England there are programs like STOR, where groups of gensets are used for a quick and synchronised power supply restoration when an outage or energy demand peak occurs. These generators work in parallel on island and in parallel to the mains.

NEW 2000 SERIES ENGINES

Inmesol has introduced gensets with the new 2000G06 series engines to its range. These engines are smaller and more compact, have a common rail injection system, and provide the following advantages:

- › Reduced consumption in compliance with gas emissions regulations.
- › Improved charge acceptance
- › Longer maintenance periods.
- › Improved
- › Correct operation, even with low charge levels.

	Tier I	Tier II	Tier III	Tier IV
Source	System	System	System	System + System
System Component Redundancy	N	N+1	N+1	Multiple N+1
Distribution Paths	1	1	1 or 2	2
Concurrently Maintainable	No	No	Yes	Yes
Fault Response to Load Event	No	No	No	Yes
Componentisation	No	No	No	Yes
Continuous Cooling	No	No	No	Yes
Availability	99.67%	99.74%	99.99%	99.99%

MTU Application Group	MTU Designation	ISO 8528 equivalent
3A	Continuous Power	Continuous Power (COP)
3B	Prime Power	Prime Power (PP)
3D	Standby Power	Emergency Standby Power (ESP)
3E	Standby Power with Overload	Emergency Standby Power (ESP)
3F	Data Center Continuous Power	no equivalent
3G	Grid Stability Power	Limited Power Building Power (LPBP)
3H	Mission Critical Power	Emergency Standby Power (ESP)

Infog. of Data Centers and Applications with failover to the mains.

Traditionally, MTU engines characterise by using high technology on their design, as well as the reliability they offer.



Their multiple cylinders provide them with stability and make them balanced engines, which translates into a significant vibration reduction and, therefore, a reduction in noise emissions that, coupled with the soundproofed bodyworks manufactured by INMESOL, result in low noise emission gensets, highly suitable for the most demanding applications.

INMESOL, WITH THE PEOPLE OF ECUADOR

INMESOL DONATES TWO ELECTRIC GENERATORS TO THE GOVERNMENT OF ECUADOR TO ASSIST IN THE RECONSTRUCTION AFTER THE EARTHQUAKE.



Consul and Vice Consul of Ecuador in Murcia, Mr. Gustavo Acosta and Mr. Juan Valencia Quiñonez

The Consul and Vice Consul of the Latin country in Murcia visited today the facilities of the company to formalize the shipment of the equipment.

The Spanish company of Inmesol, manufacturer of electrical generators located in Corvera – Murcia – Spain, has donated two generators to the Government of Ecuador to assist in the rescue efforts after the devastating earthquake of last April 16th .

José Luis Solano, the president of Solano Group, the business group to which Inmesol belongs, received today the visit of the Consul and Vice Consul of Ecuador in Murcia, Mr. Gustavo Acosta and Mr. Juan Valencia Quiñonez, to formalize donation the two machines.

They are two generators set, AL-700 model of the portable range, with



Lombardini diesel engine and electric starter.

Each of the generators is capable of generating 7kVA power and incorporates

a transport handle kit with wheels to improve their mobility, allowing the easy transport to the most sensitive areas struck by the earthquake.

The generators will be shortly shipped by air and taken to the earthquake zone at the earliest opportunity under the coordination of the Embassy of Ecuador in Madrid and the authorities responsible for regulating aid on site.

In the words of José Luis Solano, “it’s an act of solidarity to offer the resources we have available to serve people in need, in this case the Ecuadorian people, with whom Inmesol maintains very good business relations.”

For their part, the Consul and Vice Consul of Ecuador in Murcia thanked the gesture of solidarity of Inmesol on behalf of the people they represents.

Corporate social responsibility and solidarity are two values on which the philosophy of Inmesol is based.

HYBRID GENERATION AT GENSETMEETING 2016

GENSETMEETING2016

Grupos Electrógenos - Hibridación con Renovables
MADRID, 21 de abril

POWER SOLUTIONS
INMESOL
EMPRESA PATROCINADORA DEL EVENTO



The third convention on gensets and the hybridization of these systems with renewable energy took place in Madrid on April 21st.

The main **manufacturers** of electricity generators, components, and control systems gathered in this meeting. They discussed about the growth of electrical installations based on hybrid generation from gensets with photovoltaic solar energy in Spain. The **energy savings** produced by the combination of the **two sources** make it the **best alternative** for sectors such as **agriculture and telecommunications**.

The day began with a talk on the requirements and experiences of a large company in the **Telecommunications**

field, which is a regular gensets user, **Telefónica**.

Three scenarios were discussed:

- › Data centres.
- › Emergency situations.
- › Locations where there is no electricity grid.

For telecommunications facilities where **there is no mains electricity**, some of the problems found when electric generators are the only supply were discussed:

- › That they are working 24 hours a day.
- › Maintenance work is difficult due to issues accessing the facilities, the time, etc.
- › Vandalism.

For these type of installations, the best solution is to use an **appropriate hybrid system**.



Texto

INMESOL has been working on the development of **hybrid systems** which comply with the requirements

and necessities of Telecommunication companies such as Telefónica for several years.

INMESOL AT THE NATIONAL AGRICULTURAL FIELDDAYS, NEW ZEALAND

The most important agricultural fair, the "National Agricultural Fielddays", was held last week, between June 15 and 18, at the Event Centre in Mystery Creek, Hamilton, in New Zealand.

The National Agricultural Fielddays is an event that has become the main

meeting point between **agricultural and livestock producers** and the most important **suppliers** in the industry, mainly, **companies that develop new technologies and trends** for the agricultural market.

Inmesol's technology was present at this popular event through one of its main New Zealand distributors, **Lees Delta Marine Ltd**;



This Fair dates back to **1968**, and it was born from the ideas and determination of a small **farmers' community** who dreamt about creating a space that helped the agricultural industry growth.

After the **successful** reception the first editions had, the Fair's creators soon had to invest in a larger space, with a total of **114 Hectares in Mystery Creek**.

Lees Delta Marine Ltd, who is making an excellent work promoting INMESOL as a **Spanish reference brand** that ensures **quality and guarantee**, has stressed the great acceptance the different **gensets** have received from **increasingly demanding clients** who look for **reliable and safe** products, in an industry where the technological products' demand is constantly growing.



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Inmesol, S.L. company with ISO 9001 quality management system certificate and ISO 14001 Environmental Management System Certificate for the: "Design, manufacture, marketing and technical assistance of power generators, lighting towers, welding generators, tractor with PTO generator and hybrid generation systems."



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