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*On behalf of INMESOL, we sincerely thank your trust in our company and wish you 2017 full of happiness, peace and prosperity*



# FIRST SHIPMENT OF THE NEW RENTAL RANGE GENERATOR MODEL, IIRN-165

What just a few months ago was a demand turned into a challenge for the INMESOL R&D department -as we have anticipated in the article "Transport Solutions through design GENERATOR SETS"-, today has turned into a reality.

The first shipment comprised of 6 units of the new IIRN-165 generator set model has just left the INMESOL facilities, on its way to France.

Speaking in terms of power, this lorry carries 6 generators with the new design, capable of generating up to 900 KVA of PRP power. Up until several months ago, two lorries like this one were needed to transport the same amount of power.

CO<sub>2</sub> emissions into the atmosphere and expenses associated to fuel and labour force are reduced by half.



Lorry carrying 6 IIRN-165 model generators going to France.

## Why was it a challenge?

In order to transport 6 units in 40-foot long lorries, the only action necessary was to reduce by a few centimetres the canopies that house these models.

The difficulty laid in making this reduction, overcoming potential overheating problems and an increase in sound emission levels in the equipment.

The larger the canopy opening to enable enough air flow to circulate and prevent engine overheating, the easier the sound emissions escape, and the higher the perception of those sound emissions.

The R&D department managed to resolve the problem through the use of a design that offers optimal air flow (so that overheating does not occur) and a good sound trapping system (elements that absorb sound emissions) to prevent the sound from escaping the enclosure.



Sergio Frutos performing a noise emission testing on the IIRN-165 unit.



Watch the video: [vimeo.com/191482085](https://vimeo.com/191482085)



# 2<sup>ND</sup> INMENSOL LATAM TECHNICAL TRAINING 2016

After last year's success and for the second consecutive year, we held the 2nd Technical Training from September 19th through 23rd, for our Latin American distributors.

This year, distributors from **Costa Rica, Ecuador, Guatemala, Peru, Panama, and Venezuela** took part.



Visit to the facilities.

Trade relations with Latin American countries are becoming increasingly strengthened year after year as a direct result of **our outstanding Commercial Dept.**, supported by the entire INMESOL's team and reinforced by management.

## Visit to the facilities. Production system

A program designed to offer all possible knowledge regarding our products (generators), production system, and facilities was carried out throughout this intense week.

The **Production Director, José Luis Solano**, led the tour around the facility across the different stages

of the production system. Accompanied by **Sales and Post-Sales Engineer Sergio Frutos** and the **Latin American Sales Manager, Luis Navarro**, they answered all of our interested visitors' questions.

The details that characterize INMESOL's equipment designs to facilitate access and maintenance tasks, the quality of the product made with **100% European components**, and the design solutions adopted using strategically located sound barriers to **reduce noise emissions** were all aspects that attracted our visitors' attention.

## Technical training days

Once familiar with the equipment manufacturing process, the actual **Technical Training** began.

On behalf of INMESOL, **Sergio Frutos** presented interesting and relevant subjects such as the **different configurations** of the generator sets according to their application, the control units with DEEP SEA panels, and the operation of the transfer boards or switchboards.



Moments of practical training.



Theoretical training.

For a deeper understanding of an essential component of the generators, the engine, we relied on the **collaboration of our suppliers, KOHLER, FPT, and VOLVO PENTA.**

## Cultural visit around the city of Murcia

Once the Training was completed, the program also left room for enjoying our beautiful city of Murcia with its extraordinary climate.

## Certificate award ceremony

Jose Luis Solano Baño, INMESOL president and founder, shared a traditional meal with participants featuring products from Murcia and took the opportunity to thank all of them for their visit and interest in our products and organization.

After enjoying the Murcian gastronomy, the president personally handed out the certificates to each one of the participants.



Two Rental range "Dual Mutual Stand-by" generator sets.

# NEW PROGRAM OPTION AVAILABLE TO ALTERNATE BETWEEN TWO GENERATOR SETS

## PERFECT SOLUTION FOR APPLICATIONS WHERE THERE IS NO MAINS

The INMESOL R&D department has developed a new program option for the DSE334 control module that enables any pair of generator sets with remote start, to work in a dual mutual stand-by mode.

### THE RENTAL SECTOR, among others, will benefit from this development

Typical generator sets rental applications, such as construction, events, shows, as well as telecommunication systems normally located in remote places where there are no mains available are typical scenarios in which the option featured on this post is ideal.



Images of applications where there are no mains.

### IN APPLICATIONS WHERE THERE IS NO MAINS

What happens when power demand must be met for a long period of time and a constant, uninterrupted power supply is needed?

In these cases, using a single generator has a number of disadvantages.

- › Supply is lost when unforeseen circumstances disrupt the proper functioning of the genset.
- › The continued use of a single generator leads to greater wear on the equipment, reducing its useful life.
- › When performing maintenance tasks, the genset engine must be stopped and, therefore, the supply is interrupted.

### ADVANTAGES:

All of these issues can be resolved by using a control panel with transfer switch and a DSE334 control module connected to both generator sets.

The new program available on the DSE334 control panel enables the alternate use of both generator sets according to a time period scheduled and, if one of them fails, the other one automatically starts working and



DSE334 Switchboard.

- › Guaranteed prolonged electric supply without interruption.
- › The useful life of the gensets is extended.

quickly replaces it. With this system, maintenance services can be carried out without prolonged interruption to the electric supply and the useful life of the generators is extended.

### Equipment REQUIREMENTS:

- › Any two gensets as long as they have a control panel and external signal start
- › Each one of the gensets should feature preheat resistance and a battery charger.

Note. – Each charger will keep the battery on the stand-by generator charged with the power generated by the working genset.



The two-genset 1010 kVA LTP power generation system recently installed in Las Colinas General Hospital basement

# A HOSPITAL IN THE DOMINICAN REPUBLIC HAS INSTALLED AN INMESOL POWER GENERATION SYSTEM

A few months ago, **LAS COLINAS HOSPITAL** acquired a Power Generation System made of two 1010kVA LTP gensets through our distributor **FERRETERÍA OCHOA, S.A.**

Las Colinas General Hospital has just been built in **Santiago de los Caballeros**, the second most important city in the **Dominican Republic** after Santo Domingo.

Two 1010 kVA (808kW) LTP gensets have been installed in the hospital basement, both working in **parallel, on emergency mode, and synchronised with the mains.**



Construction technical directors, hospital maintenance technicians, installation engineers, and commercial technicians after the installation and commissioning of the power generation system.

These very same units were described in the post of our blog **“Parallel gensets: Power and efficiency integrated into a single system”** where the functioning of the system is explained in detail right before shipping out the units from INMESOL's production plant.

The system, composed of two gensets, has been connected to **the most critical loads** of the hospital, such as operating room, emergency room, lighting connections, etc., where the **electricity supply is then guaranteed.**

Las Colinas General Hospital, a project promoted by **UNITED TELEMEDICINE NETWORK**, is a high-class modern health centre, equipped with the latest technology and strategically located in an area undergoing a constant development process, next to one of the main commercial malls in the area: Las Colinas.

Its commissioning will alleviate the demand for health services required by the high population density of the area

It has a 15,000 m2 of covered area, distributed across 6 floors and a basement, with capacity for 55 medical practises, **6 operating rooms, 104 beds, emergency area, and 1000 private parking spaces.**



The **EMERGENCIAS, X-RAYS** and the **ONCOLOGY** units are the only operational areas at the moment. The remaining hospital services will gradually become available.

Its official opening is expected at the beginning of 2017.

**Contact details for the INMESOL distributor in the Dominican Republic.**

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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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