



ENERGY EVERYWHERE  
**AGRICULTURE & LIVESTOCK**







## GROWING OUR TOMORROW REQUIRES **ENERGY**

The world's population continues to grow and is expected to reach 10 billion by 2050. This naturally generates a greater demand for food. As a result, agriculture, livestock farming and associated activities represent a very important part of community life.

In this sector, any power failure can jeopardize irrigation processes, field maintenance, the feeding of livestock and, consequently, the survival of crops and animal production. The use of generator sets as back-up energy sources is therefore essential to guarantee the normal running of activities and avoid losses.

The gensets that operate in agriculture and livestock farming usually do so outdoors, exposed to humidity, dirt and dust. In many cases, they run continuously, as many farms are located in remote areas where the electricity grid is either non-existent or inaccessible. Over the years, Grupel has been creating and developing quality solutions for the agricultural sector, with equipment capable of supporting producers and meeting consumption needs at all stages, from planting to harvesting, through to feeding and treating livestock.









# GRUPEL'S SOLUTIONS FOR AGRICULTURE AND LIVESTOCK

With a diverse range of products and tailor-made solutions, Grupel is ready to support your projects, whether it's a small private plantation or a large livestock farm.

## WHAT FEATURES DO THESE GENERATOR SETS HAVE?

### ENGINEERING



Creation of the solution according to the norms in effect and the requirements of the installation, considering its location and energy consumption.

### POWER RANGE



A wide range of power ratings for projects with different sizes and energy needs, ensuring their uninterrupted power supply.

### ROBUSTNESS



Resistant canopies and containers with anti-corrosion finish for harsh environments and exposure to high humidity, dust and bad weather.

### VARIETY OF EXTRAS



Incorporation of extras that ensure safe and efficient operation, such as remote startup, communication modules, including WiFi, among others.

### ADAPTABILITY



Compliance with international emissions and noise standards through soundproofing with rock wool and the inclusion of components such as STAGE V engines.

### IMPROVED PERFORMANCE



Optimized performance and possibility of parallel operation for continuous power supply to ongoing operations.

## PRODUCT RANGES

# PR

PORTABLE RANGE

2-15kVA

Easy to transport gensets, ideal for serving low-power equipment such as small engines and water pumps. The range includes equipment with automatic and remote start, and an inverter model that allows parallel operation.

# SR

SMART RANGE

8-65kVA

Reliable generators prepared to respond to power failures. Starting automatically in this type of situation, they guarantee the energy supply to agricultural and animal production activities.

# IR

INDUSTRIAL RANGE

40-1250kVA

High-power range, with generators suitable for demanding projects such as large plantations and farms. Robust options, adapted to harsh environments subject to dust and other particles.





Generators powered by natural gas or biogas, which are more economical, environmentally responsible and reliable.

They're generally used in applications that require greater power and high efficiency.



Highly resistant electric gensets suitable for recurrent transportation.

With a more durable bolted canopy, openings in the chassis and lifting eye for transportation, and the possibility of including STAGE V motors to comply with European standards.



Ideal for applications where natural light and mains power are scarce, they can provide light for night work and remote contexts.

They have a manual or pneumatic mast of up to 7m and can illuminate an area of up to 4,500m<sup>2</sup>.

## PROJECTS FOR AGRICULTURE AND LIVESTOCK

Over the years, Grupel has created highly reliable and robust solutions by adapting its products to the needs of real customers, contributing to the development of local communities in Portugal and around the world.



### POULTRY FARMS

📍 Bolivia ⚡ 1x347kVA+1x135kVA+1x110kVA

🔧 Grupel 📦 Grupel

To guarantee uninterrupted power to three poultry farms in Bolivia, Grupel has produced three different projects, each with a generator set. The three pieces of equipment are robust and ensure power for all the processes involving feeding the birds and maintaining optimum conditions in the facilities.

## FMC PROJECT

📍 *Denmark* ⚡ *356 KVA*

🏠 *Baudouin* 🏠 *Leroy Somer*

Grupel carried out a project to support FMC in Denmark, a company dedicated to technological innovation adapted to agricultural production. Consisting of a 356kVA power generator, the project operates in standby mode, starting up and running in the event of a mains failure.



## LIVESTOCK FARM

📍 *Spain* ⚡ *100KW*

🏠 *Baudoin* 🏠 *Grupel*

A special 100 kW biogas project to support a livestock farm in A Coruña (Spain). It operates continuously, in parallel with the electricity grid, and is powered by biogas from a 1,500,000 L biodigester located on the farm itself. It is a cogeneration system harnessing thermal Energy.



## MASTER MED CANNABIS

📍 *Portugal* ⚡ *726 KVA*

🏠 *Grupel* 🏠 *Grupel*

Grupel supplied a 726kVA power generator to support a medical cannabis cultivation plant. The installation uses state-of-the-art equipment, and relies on the emergency operation of this set to operate uninterruptedly, even in the event of a grid failure.











Founded in 1976, Grupel was born with the mission of taking Energy where it is needed.

Our wide range of products includes standard generators from 3 to 3500kVA, portable lighting towers and complex special projects developed on a custom basis.

We have a 360° specialized team that guarantees quality services, from design to technical assistance and spare parts supply.

Grupel has the confidence of the Portuguese market, having been distinguished with the Five Stars Award (Prémio Cinco Estrelas) and the SME Leader (PME Líder) status. And it is also recognized on a global scale, being present in over 70 countries.

**The best Energy. From Portugal to the world.**





# 6 REASONS TO CHOOSE **GRUPEL**

## **EXPERIENCE**

For over 45 years, Grupel designs, produces and sells power generators, taking energy to the whole world, with its unique know-how and experience.

## **FOCUS ON THE CLIENT**

Grupel works for the satisfaction of its clients, supporting the entire life cycle of their projects and developing the best solutions for each need.

## **GLOBAL SCALE**

Grupel is a brand awarded on several occasions in Portugal and recognized internationally, being present in over 70 countries on 5 continents.

## **VERSATILITY**

With a wide range of powers, Grupel can serve highly demanding applications such as industries, data centers, hospitals or power plants and cogeneration systems.

## **TECHNICAL ASSISTANCE**

Grupel's team responds to any doubt or intervention that you may need, through maintenance services, technical assistance and supply of spare parts.

## **QUALITY**

Grupel works with components from internationally renowned brands and its own brand, being certified by the quality standards ISO 9001 and 14001 and the CE marking.





# TECHNICAL SUPPORT AND **AFTER SALES SERVICES**



## **TECHNICAL ASSISTANCE**

Performed remotely,  
by phone  
or on site.



## **SPARE PARTS SERVICE**

Spare parts for engines,  
alternators and generators  
of all brands.



## **GENERATOR MAINTENANCE**

Full and personalized  
monitoring of your  
equipment.



## **START-UP AND TRAINING**

Functional tests and  
training for the use of  
the equipment.



## **GENERATOR REFURBISHMENT**

Improvement of obsolete  
generators or components in  
poor condition.



## **SOLUTIONS AND PROJECTS**

Proposals  
tailored  
to your needs.

Order one of these services at  
**[www.grupel.eu](http://www.grupel.eu)**

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