



Stage V HRFW60S5

IMAGE SOURCE: HIMOINSA

HIMOINSA is committed to electrification and will be unveiling new Power Technology Solutions at Bauma

11 July 2022 by HIMOINSA

The company has bolstered its position in the construction and rental sector with a comprehensive 'Mobile Power' solution and a clear commitment to electrification and the use of alternative fuels that will mark out its roadmap towards sustainability and net zero emissions.

HIMOINSA, market leader in the design and manufacture of power technology solutions, will be represented at Bauma from 24 to 30 October in Munich (Stand A5). 149). The company will present its complete range of 'Mobile Power' products, including battery power storage systems, lighting towers and gas and diesel generator sets with stage V engines, at what is considered to be the world's largest construction equipment trade fair.

HIMOINSA, which this year is celebrating its 40th anniversary, has established itself in the power generation market as one of the world's leading companies. The company has recently introduced new technologies at the very forefront of market trends and has developed battery power storage and distribution systems as part of its roadmap towards sustainability and achieving net zero emissions.

"The path towards the energy transition is the responsibility of all machinery manufacturers if we want to offer the market competitive and environmentally friendly equipment," explains Francisco Gracia, President and Executive Director of HIMOINSA, who emphasises that "the company is constantly developing new products, combining different generation, storage, distribution and lighting technologies, which explains our commitment to invest around 20% of EBITDA in R&D every year."

In this context, the electrification of equipment, gas-powered generation, the use of alternative fuels such as HVO, along with the new stage V technology will provide an interim pathway towards the introduction of hydrogen in an energy mix that aims to reduce the carbon footprint as much as possible.

HIMOINSA, which has been part of the **Yanmar** group since 2015, is constantly reinforcing its industrial capacity and is working closely with Yanmar's R&D departments on developing new equipment. *"Our integration into Yanmar Energy System (YES) is a clear sign of our commitment to continue providing state-of-the-art solutions in the power generation sector,"* adds Francisco Gracia.

Yanmar, HIMOINSA parent company, is undertaking a range of activities in pursuit of a sustainable society. The company has already embarked on several new-energy projects in various business lines, including hydrogen-powered cogeneration, research into hydrogen fuel marine engines, biogas cogeneration, dual-fuel power solutions with natural gas, fuel cell marine technology, smart agriculture, and resource recycling technologies.



CAS-HRGO 40T5

IMAGE SOURCE: HIMOINSA

Electrification | Battery power generation and storage systems

As part of its equipment electrification process, HIMOINSA has introduced the EHR | Battery Power Generator (<60kWh) to the market and is already working on the development of higher power outputs; with 500kWh units and 1MW units in 20-foot containers and 2MW units in 40-foot containers. The EHR is equipped with the HICORE System, a management technology designed by HIMOINSA which allows a more efficient use of energy. This smart management system selects the most favourable energy source for each charging condition.

"EHR is a new power storage and distribution system, which can operate as a single source of power generation (stand-alone basis) for powering construction machinery (cranes, pumps...) or even as a recharging station for

electrical construction machinery, as well as allowing integration with gas and diesel generator sets, thus reducing the number of hours of operation of the generator sets. The EHR is also designed to be connected to the grid or to photovoltaic modules”, explains Miguel Ángel Ruiz, Global Engineering and Product Development Head at HIMOINSA, adding that it is a compact, quiet and clean product.

During the trade show there will be a real demo of the EHR in operation, where the advantages of hybridisation with generator sets will be presented, as well as the considerable reduction in operating costs and its positive impact on the Total Cost of Ownership (TCO). All reasons which help justify why rental companies should include EHRs in their equipment fleet.



EHR - STAGE V

IMAGE SOURCE: HIMOINSA

Gas generator sets | Stage V Compliant

Gas becomes one of the cleanest and safest fuels in the energy transition process. The gas power generation market is set to grow by 40% over the next five years, guaranteeing low emissions and minimal noise levels, two features that are very popular with rental companies, especially in the case of events and power supply in urban areas.

HIMOINSA has extensive experience in gas power generation (LPG, NG and Biogas), and has recently developed a pioneering solution for a generator set with an integrated LPG tank (patent pending) that can be connected to an external liquefied gas tank to extend its running time if required. HIMOINSA has reached agreements with such LPG distribution companies such as Flogas in the UK and Repsol in both Spain and Portugal, to offer their customers a comprehensive gas power solution.

Together with its gas-powered equipment, the company will be showcasing **Stage V diesel generator sets** at Bauma, for which it has already developed a complete range from 17 to 550 kVA. All of the equipment is suitable for use with **HVO biofuel**.

HIMOINSA, which is working on the development of a complete portfolio of new diesel, solar and hybrid **lighting towers**, will be presenting its **HBOX+** model in Munich, which has a **2TNV70** 2-cylinder Yanmar engine, extended maintenance intervals of up to 600 hours and optimised fuel consumption of less than 0.55l/h, making it one of the most competitive lighting towers on the European market with a revolutionary design in terms of connectivity, efficiency and safety.



HBOX+

IMAGE SOURCE: HIMOINSA

Visitors to Bauma will be able to learn more about **1MW generator sets with Yanmar engines**, as the company will be showcasing the HRYW 1275 D5/6 generator set, which stands out because of its low fuel consumption due to the AY40 engine incorporating YANMAR's unique patented "ASSIGN" combustion technology. This ensures best-in-class fuel consumption for the entire operating profile, with a highly reliable mechanical control system, considerably reducing noise and smoke emissions. It is the first HIMOINSA heavy-duty generator set with a Yanmar engine, which has been designed in close collaboration between the engineering teams of Yanmar and HIMOINSA in order to achieve the highest levels of quality, robustness and the maximum performance required to satisfy the power generation market needs.



1MW AY40

IMAGE SOURCE: HIMOINSA

Source: HIMOINSA

CRANES

ENGINES