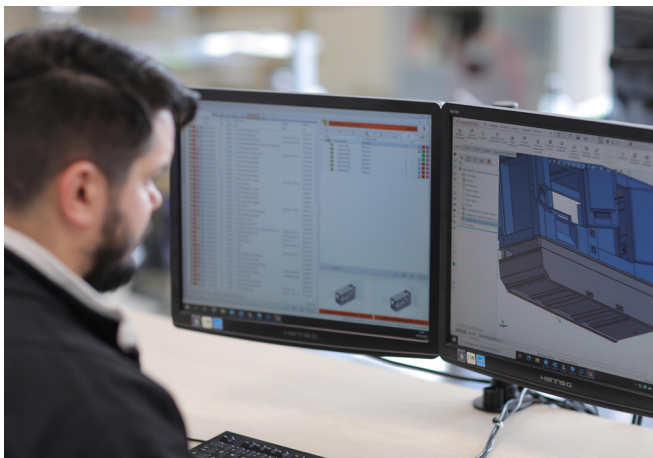


# DATA CENTRE



ENGLISH VERSION



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Green Power Systems Srl is a dynamic Italian company, leader in the design and manufacture of diesel generator sets. Green Power has achieved a primary position in both the Italian and international market thanks to its strength points: high quality products, reliable performances, worldwide after sales service and global dealer's network.

The most relevant care of Green Power is the total customers' satisfaction with the constant improvement of the products and services, with continuous innovation and technologies at the forefront and with a team of professionals that are always committed to establish professional as well as interpersonal consolidated relationships with collaborators and customers.



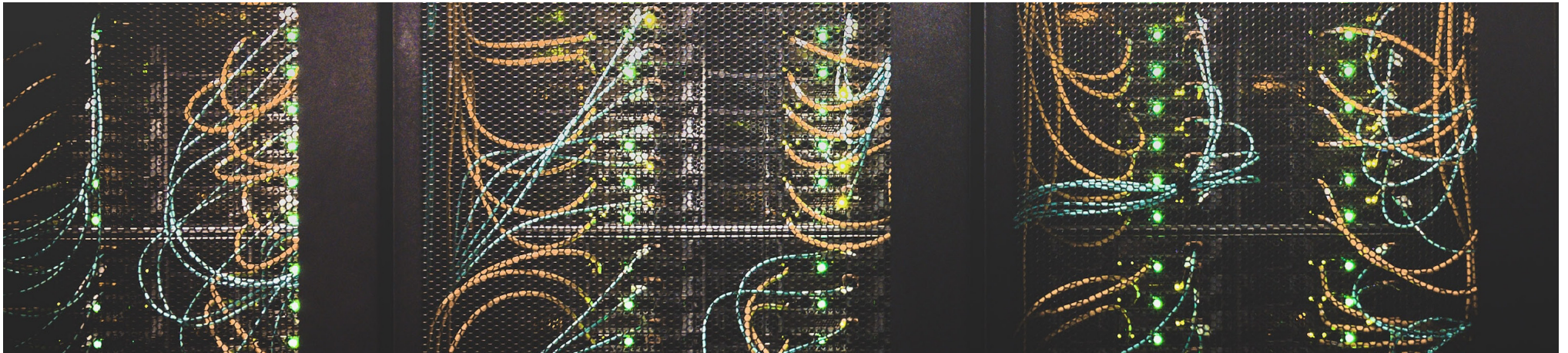


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The growth of the internet has led to the management, storage and analyzation of a huge amount of data. The whole data center industry has grown exponentially in the recent years. Not only shops, but also banks, supermarkets, e-commerce companies, industries and even governmental agencies. All of these realities are now facing digitalization and have their own data centers now. These data centers consume a considerable amount of energy, not only to allow them to work normally, but also to keep the rooms in which they are housed at the temperature necessary to ensure optimal performance of the servers (20°C).

If a server goes down due to a simple power outage, the whole business can be paralyzed and those few minutes of outage can cause substantial economic losses. The solution to the problem of guaranteeing an infallible supply of energy is a generator that ensures that all the stored information is always safe and available.



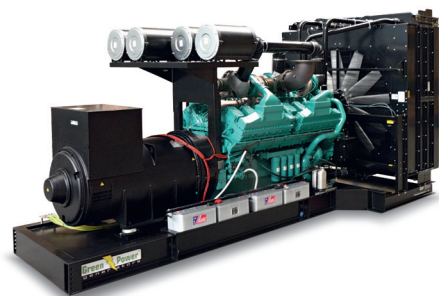


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Green Power, leader in the production of generating sets, has created specific solutions for these installations with generating sets specifically designed for Data Centers, sized according to the DCP (Data Center Power) power declaration, and which comply with the regulations that concern them.

**Uptime Institute** is the recognized international organization that specifies and certifies how the installations of a Data Center must be designed. It classifies them into four different levels, according to their availability: Tier I, II, III, IV. The factor that determines whether a plant is in one level or another one, is precisely the number of continuous power sources and the number of emergency power sources available.





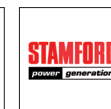
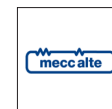
Generating sets  
**from 300 to 3500 KVA**  
 at 50 or 60 Hz in Low Voltage,  
 Medium Voltage e High Voltage.

GREEN POWER USES PRIMARY BRAND ENGINES AND ALTERNATORS THAT MEET THE CRITERIA REQUIRED BY **UPTIME INSITUTE**:

ENGINE BRANDS



ALTERNATOR BRANDS





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The starting is relevant when selecting engines for this kind of application where reliability is very important. GREEN POWER can improve the standard engines' starting electric systems by incorporating redundant electric motor starters with independent battery systems or the combination of an electric starter and another pneumatic one. In addition, systems are incorporated that facilitate the starting and make it as fast as possible, such as maintenance-free batteries and heaters.

The radiators are important to allow the unit to work correctly in all climatic and installation conditions. Our technical team is able to design the most suitable solutions, even with remote radiators. Finally, GREEN POWER is also able to realize systems for the abatement of exhaust gases and reduce emissions into the atmosphere.

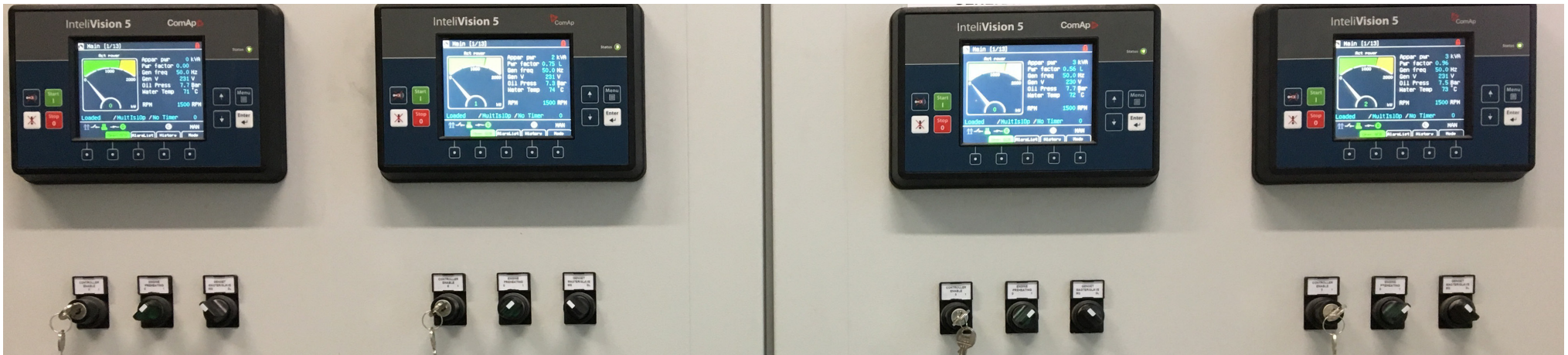


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The GREEN POWER Technical department can study different solutions with both canopies and containers, suitable for hosting generating sets and all their accessories. Solutions are available at different noise levels up to:

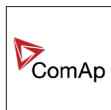
***55 dB(A) a 7 mt.***





GREEN POWER uses COMAP or DEEP SEA controllers which are specifically designed to control its generating sets, which can detect mains faults and start the genset or have the gensets run in synchro operation with each other / or with the mains. It is possible for these control units to hold different communication protocols to integrate the generating set with its operating parameters and alarms into plant information management systems. **They can therefore be monitored and controlled remotely.**

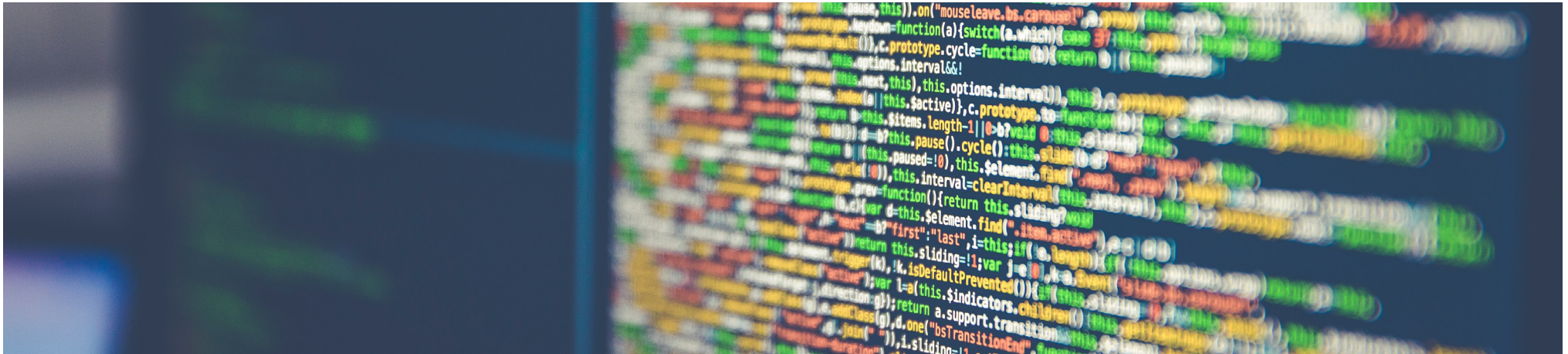
PANEL  
BRANDS





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Flexibility and competence allow us to find the most suitable solutions for your needs. All requests and projects are evaluated with the utmost promptness and professionalism. Our Technical Department is made up of specialized personnel on mechanical and electrical parts. Over twenty years of experience on the field, allow us to have a direct confrontation with the customer and support him at best.



TELECOM



SWISSCOM



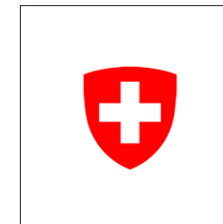
CLOUD EUROPE



VODAFONE



LIDL



SWISS POLICE  
JUSTICE CENTRE





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