



PRODUCTION POWER PLANT APPLICATION

with GENSYS COMPACT PRIME

AFRICA - CAMEROUN

On applications where several gensets are paralleled in a unique & permanent production power plant, it is proven that simplicity is often closely related to efficiency. It is therefore necessary to get a user-friendly system, with easy access to important information and commands, to reduce local operator mistakes and facilitate fast site support.

Production power plants are requiring also a smart management of the gensets to optimize the number of online machines supplying electricity, to optimize maintenance cycles and running hours counters, and to reduce fuel consumption as well as greenhouse gases.

GENSYS COMPACT PRIME with cyclic genset running, and load dependent start/stop

On the presented case, each genset is equipped with a GENSYS COMPACT PRIME, all connected by CAN bus using CRE Protocol. Controllers are setup to ensure smart automatic start & stop depending on load demand, with specific start/stop thresholds adjusted to fulfill engine manufacturer requirement for an optimized use. Gensets will then always run between 45% and 75% of their nominal load, with a majority of operation time at 67%. In order to reach the higher efficiency, CRE has recommended the cyclic running feature

to automatically stop running gensets after predefined running hours' time and synchronize standby gensets without any impact on the power plant, this feature will reduce stress on the machine and make sure maintenance cycles are respecting regular periods. Thanks to the combination of CRE smart & standard features, the fuel economy estimation on site is around 8600 liters/year, and the maintenance cycle hours saving is about 400h / year.

CRE TECHNOLOGY equipment used:

- 5 x GENSYS COMPACT PRIME
- 5 x Battery chargers BPRB0524M

APPLICATION



PROGRAMMING

CRE CONFIG

Configuration software

CRE TECHNOLOGY free PC software allows you to connect to every CRE TECHNOLOGY modules. This user-friendly software is made to configure and monitor your power plant in real time.

- CRE CONFIG software is also providing the possibility to upload/download files (config, loggers, firmwares), and to customize your application.





EXPERT IN GENERATOR SOLUTION

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