



Backup gensets are always used in Malls power plants, to ensure a permanent availability of electricity and keep a high security for cash registers, anti-theft systems, coolers, and maintain all the comfort of clients without reducing productivity. To provide a ready to use and economical solution, CRE TECHNOLOGY has developed a solution: the **GENSYS COMPACT MAINS**.

This simple and efficient unit is the right answer to the growing market of backup power, it will automatically manage any mains failure to start the backup genset as fast as possible and in safe conditions. The **GENSYS COMPACT MAINS** allow a no-break transfer to the utility power, after synchronization, and once the utility is back online and safe; an operator validation can be requested before the load transfer to

make sure a physical person is present on site during this process.

**GENSYS COMPACT MAINS** offers also remote or local load transfer request with synchronization, to switch the load power on the genset automatically without black out, in case the mains power is considered as not stable and building should better run on genset.

### No-break Change-Over & operator-controlled mains transfer

In the application presented here, the customer wanted to prevent blackout with a synchronization process, but in a limited paralleling time, so commissioning engineer has adjusted transfer time to 10s, which provides a short and linear load transfer without any impact on the site. Customer has also requested the "operator-controlled mains

transfer", a safety feature made to lock up the synchronization process from genset to grid, once conditions are allowing gensets to be stopped and load to be transferred on mains power; this feature will warn an operator by rising an alarm or sending message, and will wait his presence and activation on a switch to start load transfer. The purpose is to make sure someone qualified is onsite in case of emergency during synchronization and load transfer process; thanks to the Scheduler of CRE, this operator control feature is only activated during Mall opening hours, and becomes 100% automatic once site is unoccupied.

### CRE TECHNOLOGY equipment used:

- GENSYS COMPACT MAINS
- Battery Charger BP+1024M

## 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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