



## MEGA POWER PLANT APPLICATION with GENSYS 2.0 & MASTER 2.0 modules

SAUDI ARABIA



When industrial site like extraction mines or islands are far away from utility network, the only available power on site remains the genset, installed in power plant in parallel for redundancy reason due to the maintenance of the machine and modularity.

This case study highlights a multi genset application for an industry located in the middle of the desert, all the genset are equipped with GENSYS 2.0 and power plants are synchronize between them with MASTER 2.0.

The site where 152 units of 1250kVA gensets are installed is split in several automatic power plants of 5 to 32 gensets in parallel each.

All power plants are independent and can offer the possibility of increasing available power by synchronizing with another thanks to the MASTER 2.0.



### Features highlighted for this project

- Up to 32 generators synchronized and parallel together for active/reactive load
- Static paralleling for black start fast recovery.
- Optimized load dependant start stop with running hours balancing management.
- Automatic backup supply of a defective power plant by another available power plant.
- 2 power plant synchronization with MASTER 2.0 additional panel
- Centralized alarm/fault display on each GENSYS 2.0 for an easy diagnosis.



### CRE TECHNOLOGY devices installed:

- GENSYS2.0
- MASTER2.0
- BPRB1024M battery chargers



**EXPERT IN GENERATOR SOLUTIONS**

**CRE TECHNOLOGY**

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