



Military application requires high strength and reliability of onsite electrical installation, thanks to its product flexibility CRE TECHNOLOGY success to adapt its products to harsh environment and safety requirements from worldwide armies.

The project presented here described a fleet of "ready to synchronize" mobile power shelters used to provide electricity of life bases in military sites based in Africa, Middle East and Est Europe.

These power shelters can be installed by 2 to 8 units and quickly connected to load, the setup of the power plant is done automatically once the bus is connected.

Highlight on the specific features for this project:

- Screen backlight auto adjustment following sun exposure and ambient temperature
- Optimized load dependant start/stop (selection the optimal power for each generator)
- Blackouts start mode.
- Electrical measurement displayed on external gages connected to **GENSYS 2.0** analog
- Creation of « global start » mode for power plant start up from any shelter command
- « Broadcast data » feature for custom data sharing through common CANbus line
- **MDM** manual start module for backup operation.

CRE TECHNOLOGY equipment used:

- GENSYS2.0
- BPRB2024M battery charger
- I/O Extension:
 - > 40 digital inputs
 - > 16 digital outputs
 - > 8 analog outputs
 - >16 analog inputs
- MDM for backup opération.

APPLICATION



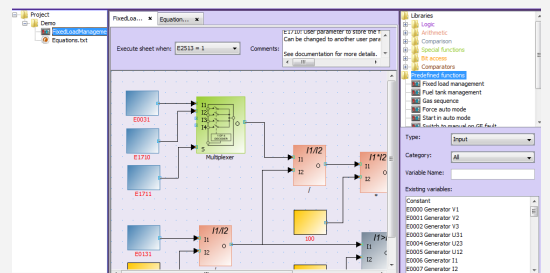
PROGRAMMING

EASY PLC

Program and customize your internal logical sequences

CRE TECHNOLOGY's Easy PLC is a logic editor which provides graphical interface to create PLC instructions for GENSYS2.0.

Easy PLC simplifies the process of proprietary writing instructions thanks to a user-friendly graphic environment. That includes many sheets in which the user create instructions through «operators».





EXPERT IN GENERATOR SOLUTION

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MILITARY LAND APPLICATION_EN_A2018

