GAL POWER SYSTEMS

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Points of Interest

GAL has confirmed a contract with a large international motor event in Montreal.

For the second year in a row, GAL will supplied chillers and generators for a large outdoor promotional event in Quebec city.

GAL looks forward to providing equipment for the upcoming Montreal festival season.

GAL's exporting efforts have been performing strongly, due to the strong dealerships base that our suppliers have all around the world. We've recently sold units that will be shipped to England, Turkey and Bahamas.

Synchronization Without Traditional Paralleling Switchgear

Traditional methods of paralleling multiple generators involved complex and bulky switchgear. Today, with the introduction of PLC driven control panels (mounted on the genset), paralleling systems are not only gaining popularity, but are much easier to install.

Features of PLC driven control panel (MICS KERYS):

- Automatic Start of the genset, and monitoring of the transfer switch
- Synchronization and paralleling on a common bus with up to 15 gensets.
- Paralleling multiple generators of varying capacities
- Capable of peak shaving, load shedding, base loading or standby application
- Capable of remote communication via IP address.
- Capable of notification by email / pager / cell phone of maintenance or safety issues
- Simple communication by 2-pairs of wire connections between generators

2 synchronized 910 kW SDMO Generators @ Purolator (see article below)

Paralleling system advantages:

- Faster delivery of multiple smaller capacity generators paralleled vs. one large capacity generator
- Paralleling provides the security of redundancy
- Future growth by adding more generators

For a user review of the MICS KERYS panel from one of our previous Power Source newsletters, copy and paste the following link into your browser: http://www.galpower.com/downloads/gpsengineering/engineeringaug06.pdf .

If you have any questions about paralleling generators or the MICS KERYS Panel, contact your local GAL Power Branch or send an e-mail to: powersource@galpower.com

Purolator opts for cost effective synchronization

GAL Power Systems recently completed a project involving synchronization for Purolator's Montreal Head Quarters. The 165,755 square foot building needed a backup emergency power system, to ensure uninterrupted delivery of time sensitive letters and packages. Gary Robinson, Purolator's director of facilities, contacted GAL Power Systems because he felt they would provide: "Quality, service and competitive pricing".

Originally Purolator considered using one 1750kW generator but after GAL suggested some of the benefits of synchronizing they decided on two generators. The synchronized generators reduced costs and shortened the completion of the overall project by 6 months.

The two 910kW generators were installed in standard enclosures and paralleled to output 1820kW on a common bus. Each container is equipped with a base tank capable of holding 4070 L of fuel (24 hr supply each) and equipped with electrical distribution panels supplying engine block heaters, battery charger, utility plugs and lights. In an emergency, the units will be paralleled using the "dead bus" method which allows the units to be online and paralleled in less than 12 seconds.

Make: SDMO
Capacity: 910 kW
Alternator: Leroy Somers
Model: X910UCTD IV
Engine: MTU 16V2000
Controller: Kerys

Gary's opinion of GAL's efforts was very positive when asked if he was particularly impressed with anything he responded: "The ease of dealing with GAL Power Systems and their ability to provide the proper solutions at an effective cost"

If you have any questions about the benefits of synchronization feel free to contact your local GAL Branch.