



# The GAL Power Source

## Points of Interest

GAL recently supplied 2 x 230 kW synchronized Generators complete with Transfer switches to a Critical 911 Centre in Ville St.-Hubert.

A local hospital had a requirement for 2 X 150 h.p. boilers during construction of new steam lines from the nearby steam plant. GAL supplied 2 X 200 hp, gas fired, low pressure, mobile steam boilers, c/w pumps, controls and hot water heat exchangers. One boiler was operational, the other was standby. The complete installation was done by GAL, as well as operating engineers on site 24/7 during operation of the system. (14 days)

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

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## 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

### 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](mailto:powersource@galpower.com)

## Are You Prepared For a Boiler Breakdown?

When dealing with any kind of operational malfunction, knowing your options ahead of time saves you time and money. Temporary boilers are a great solution when you're looking to replace or augment your existing system for any one of the following reasons:

1. Breakdown of existing equipment
2. Planned outage of existing equipment for repair, maintenance or upgrade.
3. Increased capacity to handle peak loads.
4. Testing of a new process or production run.
5. Research and development projects
6. Delays in bringing new systems on line.

To keep your facility up and running, GAL Power Systems rents the following types of boiler systems:

### Portable Boiler Room

This is a complete packaged boiler room all pre-piped, pre-wired, lighting and heating mounted on heavy duty skids, so that boiler room can be loaded and off loaded using a tilt and load truck.

### Boiler and Accessories

This is a boiler, feed water system and fuel oil tank (if the boiler runs on natural gas then a fuel tank is not required) mounted into heavy skids, pre-piped and pre-wired. This option should be used inside facilities; if it needs to be used outside it will require weather protection.

### Electric boilers

For very light loads we have electric boilers with accessories.

### Steam Line

Providing a steam line from the temporary boiler to available connections within facilities has proved a popular option. Above 15 psi steam pressure, the steam line installation must be approved by a local boiler inspector.

### Customer Responsibilities

- Always make certain that your equipment is designed for the pressure of the rental equipment
- Advise your insurance company
- Supply fuel, boiler chemicals and general daily supervision of equipment.
- Adequate electrical power source and feed water supply

### Emergency service

We offer 24 hour service to keep your equipment operating. In many cases, we have had the plant back online within 24 hours. For larger capacities we can tie our units together.

### Boiler Rental Quotations

For quotations contact your local GAL branch. Site visits can be arranged at your request to assist in sizing and selection of equipment. If you have any other questions about boiler rentals, please don't hesitate to contact us at: [powersource@galpower.com](mailto:powersource@galpower.com)

