



YALE/CHASE EQUIPMENT AND SERVICES, INC.

The Authorized Generac Distributor for Southern California

YC Power Systems Connect Newsletter July/August 2015

Welcome to our YC Power Systems Connect newsletter. We want to keep you informed and connected to the latest Industrial Power Systems equipment, training and other powerful informational tools you will find helpful. Check out what this edition has to offer:

- Scheduled classes offered through our factory authorized training center
- **YC Power Systems - Successful Customer Solution**
- FREE link to the most powerful electrical and mechanical design and sizing tool available
- Generac receives company of the year award
- Generac's expanded product line

Your Success is Our Business!

Our Training Center In Southern CA

YC Power Systems your local Generac Industrial Distributor is proud to announce their authorized training facility here locally in Fontana, California. No need to travel great lengths for training, we have an instruction facility here to handle all of your training needs.



[Link to Additional Resource Schedules and Curriculum](#)

YC Power Systems Provides Security with Generac Emergency Standby Power Solution

When a large Southern California high security detention facility encountered issues meeting the state mandated requirements of their emergency backup power system, they needed a quick reliable expert solution, and turned to YC Power Systems.



3 Mega Watt (6 x 500kw) - Gemini installation

Application Background: Built in the early 1990s, this facility was originally equipped with 3-750 kW diesel engine generators using traditional paralleling switchgear. The facility critical load of 1400 kW, required at least two of the units to be paralleled within 10 seconds to meet the state mandated requirements. Over the years the system became unable to accomplish this task sometime taking up to 20 seconds to get the first units paralleled on line. After working for years upgrading the engine generator controls and the traditional switchgear controls with no success the decision was made to replace the system with Generac' Modular Power Solution (MPS).

Solution: 6 - 500 kW package generator sets were purchased in Generac's Gemini configuration, which is 2-500 kw packages in a single sound attenuated, weatherproof enclosure. The three Gemini packages were installed with factory built base fuel tanks that are tied to a 20,000 gallon main storage tank. The fuel supply from the main storage tank is controlled by a Pryco fuel management system. Electrically the six generator breakers are feeding a 4,000 amp emergency source breaker which then feeds a 480v-12kV transformer. From there the transformer then feeds into a 1200 Amp / 12kV auto transfer switch which distributes the power to the facility. Generator paralleling is accomplished with the use of unit mounted paralleling contactors and Generac's "Powermanager" control system for a fully integrated approach that simplifies generator paralleling while providing unsurpassed reliability and cost effectiveness.

Benefit: Critical loads for the facility would have required at least three generators on line but with the new Generac System we have been able to parallel all six generators in less than 10 seconds.. The facility now meets the State mandated requirements.



Did you know?

A Power Design Pro™ Sizing Software is available and it's FREE?

[Learn more and download](#)

Generac Power Systems Earns Frost & Sullivan's Company of the Year Award

Generac is pleased to announce that it has been honored with the 2014 Natural Gas Generator Company of the Year Award from Frost & Sullivan for its contribution to the North American natural gas generator set industry.

Recipients of this prestigious award are selected based on their demonstration of excellence in growth, innovation, and leadership.

[Read More](#)



Generac's Expanded Product Line

Generac Industrial Power offers a broad line of standby power generators from 10 kW- 2 MW, to meet all your emergency backup power needs. For greater application flexibility, Generac's award winning Modular Paralleling Systems (MPS) will continue to provide power outputs of up to 9 MW while also offering more traditional paralleling options as well.

Let us be part of your next project
Call Us To Find Out More About Our Expert Capabilities
888-319-6418

[CONTACT US](#)

YC Power Systems a division of Yale/Chase Equipment and Services, Inc.
888-319-6418 | customersupport@yalechase.com | www.ycpower.com

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